

ID	Title	Au Name	Algorithm	Class	Supervised?	Sex	Noise	nf	nb	RTF	InpuSDR
mohammadiha2013supervised	Supervised and N.	BNMF-HMM	BNMF	NMF	supervised		factory, city, babble	-5	5.23638006		
mohammadiha2013supervised	Supervised and N.	BNMF-HMM	BNMF	NMF	supervised		factory, city, babble	0	5.36820653		
mohammadiha2013supervised	Supervised and N.	BNMF-HMM	BNMF	NMF	supervised		factory, city, babble	5	4.71819562		
mohammadiha2013supervised	Supervised and N.	BNMF-HMM	BNMF	NMF	supervised		factory, city, babble	10	3.7227284		
mohammadiha2013supervised	Supervised and N.	General-mode	BNMF	NMF	supervised		factory, city, babble	-5	4.21819308		
mohammadiha2013supervised	Supervised and N.	General-mode	BNMF	NMF	supervised		factory, city, babble	0	4.39545909		
mohammadiha2013supervised	Supervised and N.	General-mode	BNMF	NMF	supervised		factory, city, babble	5	3.89091869		
mohammadiha2013supervised	Supervised and N.	General-mode	BNMF	NMF	supervised		factory, city, babble	10	2.8045267		
mohammadiha2013supervised	Supervised and N.	Oracle-BNMF	BNMF	NMF	supervised		factory, city, babble	-5	5.40909299		
mohammadiha2013supervised	Supervised and N.	Oracle-BNMF	BNMF	NMF	supervised		factory, city, babble	0	5.60457136		
mohammadiha2013supervised	Supervised and N.	Oracle-BNMF	BNMF	NMF	supervised		factory, city, babble	5	4.91821186		
mohammadiha2013supervised	Supervised and N.	Oracle-BNMF	BNMF	NMF	supervised		factory, city, babble	10	3.91363846		
mohammadiha2013supervised	Supervised and N.	Oracle-ML	BNMF	NMF	supervised		factory, city, babble	-5	4.1272683		
mohammadiha2013supervised	Supervised and N.	Oracle-ML	BNMF	NMF	supervised		factory, city, babble	0	3.9498706		
mohammadiha2013supervised	Supervised and N.	Oracle-ML	BNMF	NMF	supervised		factory, city, babble	5	3.0090808		
mohammadiha2013supervised	Supervised and N.	Oracle-ML	BNMF	NMF	supervised		factory, city, babble	10	1.18636712		
mohammadiha2013supervised	Supervised and N.	Oracle-NHMMV	BNMF	NMF	supervised		factory, city, babble	-5	3.84543346		
mohammadiha2013supervised	Supervised and N.	Oracle-NHMMV	BNMF	NMF	supervised		factory, city, babble	0	4.31362527		
mohammadiha2013supervised	Supervised and N.	Oracle-NHMMV	BNMF	NMF	supervised		factory, city, babble	5	3.89999442		
mohammadiha2013supervised	Supervised and N.	Oracle-NHMMV	BNMF	NMF	supervised		factory, city, babble	10	2.8045267		
mohammadiha2013supervised	Supervised and N.	STSA-GenGam	BNMF	NMF	supervised		factory, city, babble	-5	2.54544209		
mohammadiha2013supervised	Supervised and N.	STSA-GenGam	BNMF	NMF	supervised		factory, city, babble	0	3.31363542		
mohammadiha2013supervised	Supervised and N.	STSA-GenGam	BNMF	NMF	supervised		factory, city, babble	5	3.24544564		
mohammadiha2013supervised	Supervised and N.	STSA-GenGam	BNMF	NMF	supervised		factory, city, babble	10	2.80454192		
mohammadiha2013supervised	Supervised and N.	Online-BNMF	BNMF	NMF	unsupervised		factory, city, babble	-5	7.19318182		
mohammadiha2013supervised	Supervised and N.	Online-BNMF	BNMF	NMF	unsupervised		factory, city, babble	0	8.16477273		
mohammadiha2013supervised	Supervised and N.	Online-BNMF	BNMF	NMF	unsupervised		factory, city, babble	5	7.26136364		
mohammadiha2013supervised	Supervised and N.	Online-BNMF	BNMF	NMF	unsupervised		factory, city, babble	10	5.13068182		
mohammadiha2013supervised	Supervised and N.	Online-NHMMV	BNMF	NMF	unsupervised		factory, city, babble	-5	6.92045455		
mohammadiha2013supervised	Supervised and N.	Online-NHMMV	BNMF	NMF	unsupervised		factory, city, babble	0	6.375		
mohammadiha2013supervised	Supervised and N.	Online-NHMMV	BNMF	NMF	unsupervised		factory, city, babble	5	4.39772727		
mohammadiha2013supervised	Supervised and N.	Online-NHMMV	BNMF	NMF	unsupervised		factory, city, babble	10	1.97727273		
mohammadiha2013supervised	Supervised and N.	BNMF-HMM	BNMF	NMF	unsupervised		factory, city, babble	-5	6.86931818		
mohammadiha2013supervised	Supervised and N.	BNMF-HMM	BNMF	NMF	unsupervised		factory, city, babble	0	7.39772727		
mohammadiha2013supervised	Supervised and N.	BNMF-HMM	BNMF	NMF	unsupervised		factory, city, babble	5	6.76704545		
mohammadiha2013supervised	Supervised and N.	BNMF-HMM	BNMF	NMF	unsupervised		factory, city, babble	10	5.33522727		
mohammadiha2013supervised	Supervised and N.	Wiener	BNMF	NMF	unsupervised		factory, city, babble	-5	4.78977273		
mohammadiha2013supervised	Supervised and N.	Wiener	BNMF	NMF	unsupervised		factory, city, babble	0	5.30113636		
mohammadiha2013supervised	Supervised and N.	Wiener	BNMF	NMF	unsupervised		factory, city, babble	5	4.09090909		
mohammadiha2013supervised	Supervised and N.	Wiener	BNMF	NMF	unsupervised		factory, city, babble	10	2.45454545		
mohammadiha2013supervised	Supervised and N.	STSA-GenGam	BNMF	NMF	unsupervised		factory, city, babble	-5	6.22159091		
mohammadiha2013supervised	Supervised and N.	STSA-GenGam	BNMF	NMF	unsupervised		factory, city, babble	0	6.75		
mohammadiha2013supervised	Supervised and N.	STSA-GenGam	BNMF	NMF	unsupervised		factory, city, babble	5	5.91477273		
mohammadiha2013supervised	Supervised and N.	STSA-GenGam	BNMF	NMF	unsupervised		factory, city, babble	10	4.67045455		
Wilson2008	Speech denoisir K.	' ETSI	KLNMF	NMF	supervised	m	Jackhammer		0		
Wilson2008	Speech denoisir K.	' ETSI	KLNMF	NMF	supervised	m	Bus		0		
Wilson2008	Speech denoisir K.	' ETSI	KLNMF	NMF	supervised	m	Combat		0		
Wilson2008	Speech denoisir K.	' ETSI	KLNMF	NMF	supervised	m	Babble		0		
Wilson2008	Speech denoisir K.	' NMF-self	KLNMF	NMF	supervised	m	Jackhammer		0		
Wilson2008	Speech denoisir K.	' NMF-self	KLNMF	NMF	supervised	m	Bus		0		
Wilson2008	Speech denoisir K.	' NMF-self	KLNMF	NMF	supervised	m	Combat		0		
Wilson2008	Speech denoisir K.	' NMF-self	KLNMF	NMF	supervised	m	Babble		0		
Wilson2008	Speech denoisir K.	' NMF-group	KLNMF	NMF	supervised	m	Jackhammer		0		
Wilson2008	Speech denoisir K.	' NMF-group	KLNMF	NMF	supervised	m	Bus		0		
Wilson2008	Speech denoisir K.	' NMF-group	KLNMF	NMF	supervised	m	Combat		0		
Wilson2008	Speech denoisir K.	' NMF-group	KLNMF	NMF	supervised	m	Babble		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-se	KLNMF	NMF	supervised	m	Jackhammer		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-se	KLNMF	NMF	supervised	m	Bus		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-se	KLNMF	NMF	supervised	m	Combat		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-grc	KLNMF	NMF	supervised	m	Babble		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-grc	KLNMF	NMF	supervised	m	Jackhammer		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-grc	KLNMF	NMF	supervised	m	Bus		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-grc	KLNMF	NMF	supervised	m	Combat		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-grc	KLNMF	NMF	supervised	m	Babble		0		
Wilson2008	Speech denoisir K.	' ETSI	KLNMF	NMF	supervised	f	Jackhammer		0		
Wilson2008	Speech denoisir K.	' ETSI	KLNMF	NMF	supervised	f	Bus		0		
Wilson2008	Speech denoisir K.	' ETSI	KLNMF	NMF	supervised	f	Combat		0		
Wilson2008	Speech denoisir K.	' ETSI	KLNMF	NMF	supervised	f	Babble		0		
Wilson2008	Speech denoisir K.	' NMF-self	KLNMF	NMF	supervised	f	Jackhammer		0		
Wilson2008	Speech denoisir K.	' NMF-self	KLNMF	NMF	supervised	f	Bus		0		
Wilson2008	Speech denoisir K.	' NMF-self	KLNMF	NMF	supervised	f	Combat		0		
Wilson2008	Speech denoisir K.	' NMF-self	KLNMF	NMF	supervised	f	Babble		0		
Wilson2008	Speech denoisir K.	' NMF-group	KLNMF	NMF	supervised	f	Jackhammer		0		
Wilson2008	Speech denoisir K.	' NMF-group	KLNMF	NMF	supervised	f	Bus		0		
Wilson2008	Speech denoisir K.	' NMF-group	KLNMF	NMF	supervised	f	Combat		0		
Wilson2008	Speech denoisir K.	' NMF-group	KLNMF	NMF	supervised	f	Babble		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-se	KLNMF	NMF	supervised	f	Jackhammer		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-se	KLNMF	NMF	supervised	f	Bus		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-se	KLNMF	NMF	supervised	f	Combat		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-se	KLNMF	NMF	supervised	f	Babble		0		
Wilson2008	Speech denoisir K.	' NMF-Prior-grc	KLNMF	NMF	supervised	f	Jackhammer		0		

Wilson2008	Speech denoisir K. 'NMF-Prior-grc	KLNMF	NMF	supervised	f	Bus		0
Wilson2008	Speech denoisir K. 'NMF-Prior-grc	KLNMF	NMF	supervised	f	Combat		0
Wilson2008	Speech denoisir K. 'NMF-Prior-grc	KLNMF	NMF	supervised	f	Babble		0
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSpkr		6
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSpkr		3
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSpkr		0
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSpkr		-3
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSpkr		-6
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSpkr		-9
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSex		6
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSex		3
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSex		0
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSex		-3
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSex		-6
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrSameSex		-9
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrOppSex		6
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrOppSex		3
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrOppSex		0
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrOppSex		-3
Schmidt2006	Single-channel : M. Human	Human	Human			CompSpkrOppSex		-6
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSpkr		6
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSpkr		3
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSpkr		0
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSpkr		-3
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSpkr		-6
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSpkr		-9
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSex		6
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSex		3
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSex		0
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSex		-3
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSex		-6
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrSameSex		-9
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrOppSex		6
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrOppSex		3
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrOppSex		0
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrOppSex		-3
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrOppSex		-6
Schmidt2006	Single-channel : M. SNMF	SNMF	NMF	supervised		CompSpkrOppSex		-9
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrSameSex		-10
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrSameSex		-5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrSameSex		0
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrSameSex		5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrSameSex		10
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrSameSex		-10
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrSameSex		-5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrSameSex		0
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrSameSex		5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrSameSex		10
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrSameSex		-10
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrSameSex		-5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrSameSex		0
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrSameSex		5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrSameSex		10
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrSameSex		-10
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrSameSex		-5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrOppSex		0
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrOppSex		-10
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrOppSex		-5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrOppSex		0
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrOppSex		5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	m	CompSpkrOppSex		10
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrOppSex		-10
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrOppSex		-5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrOppSex		0
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrOppSex		5
Raj2005	Recognizing spe B. NMF-self	KLNMF	NMF	supervised	f	CompSpkrOppSex		10
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	m	CompSpkrSameSex		-10
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	m	CompSpkrSameSex		-5
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	m	CompSpkrSameSex		0
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	m	CompSpkrSameSex		5
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	m	CompSpkrSameSex		10
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	m	CompSpkrSameSex		-10
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	m	CompSpkrSameSex		-5
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	m	CompSpkrSameSex		0
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	m	CompSpkrSameSex		5
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	m	CompSpkrSameSex		10
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	f	CompSpkrSameSex		-10
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	f	CompSpkrSameSex		-5
Raj2005	Recognizing spe B. Max-VQ	Max-VQ	VQ	supervised	f	CompSpkrSameSex		0









Plourde2007	Further Analysis: E.   MMSE-STSA MMSE	Statistical	bucaneer	5
Plourde2007	Further Analysis: E.   MMSE-STSA MMSE	Statistical	bucaneer	10
Plourde2007	Further Analysis: E.   MMSE-logSTS.logMMSE	Statistical	white	0
Plourde2007	Further Analysis: E.   MMSE-logSTS.logMMSE	Statistical	white	5
Plourde2007	Further Analysis: E.   MMSE-logSTS.logMMSE	Statistical	white	10
Plourde2007	Further Analysis: E.   MMSE-logSTS.logMMSE	Statistical	bucaneer	0
Plourde2007	Further Analysis: E.   MMSE-logSTS.logMMSE	Statistical	bucaneer	5
Plourde2007	Further Analysis: E.   MMSE-logSTS.logMMSE	Statistical	bucaneer	10
Plourde2007	Further Analysis: E.   beta-MMSA-S' MMSE	Statistical	white	0
Plourde2007	Further Analysis: E.   beta-MMSA-S' MMSE	Statistical	white	5
Plourde2007	Further Analysis: E.   beta-MMSA-S' MMSE	Statistical	white	10
Plourde2007	Further Analysis: E.   beta-MMSA-S' MMSE	Statistical	bucaneer	0
Plourde2007	Further Analysis: E.   beta-MMSA-S' MMSE	Statistical	bucaneer	5
Plourde2007	Further Analysis: E.   beta-MMSA-S' MMSE	Statistical	bucaneer	10

SIR	SAR	SegSNR	PESQimp	PESQraw	MOSimp	MOSraw	STOIraw	STOIimp	WRR	WER	PRRimp	PRRraw
8.23079315	4.84615385	4.50991501	0.28617646									
9.78469941	7.65384615	4.41926346	0.40040051									
9.27709508	11.6923077	3.8470255	0.45527976									
8.90778819	15.5	3.15014164	0.4800777									
7.49228752	3.88461538	4.37393768	0.18536585									
9.58470211	6.34615385	3.94334278	0.32154112									
9.60016763	10.4230769	3.25212465	0.38617167									
9.27701396	14	2.40226629	0.41584766									
8.40002163	4.92307692	4.54390935	0.27642037									
10.1539252	7.76923077	4.49858357	0.39064441									
9.58478323	11.7692308	3.96600567	0.45527976									
9.1385543	15.5384615	3.31444759	0.48495575									
6.03076881	6.19230769	3.23512748	0.20081301									
6.30782334	8.65384615	3.21813031	0.24593136									
6.07713834	11.3461538	2.69121813	0.25446675									
5.58470211	13.2692308	1.71104816	0.23779888									
6.23082019	5.5	3.49008499	0.02438785									
7.07704371	8.69230769	3.67705382	0.1199127									
7.15404686	12.2692308	3.37677054	0.20731228									
6.67704911	15.5384615	2.6572238	0.24186392									
6.01538441	2.65384615	3.03116147	0.0894285									
7.29242541	6.38461538	3.14447592	0.20527856									
7.6617323	10.4230769	2.92351275	0.27397894									
8.06164578	14.4230769	2.64022663	0.34186632									
7.13317299	5.5724793	4.08796296	0.34030612									
9.02093601	8.41616099	4.19444444	0.47729592									
9.04448738	12.0612462	3.65277778	0.51096939									
8.98960428	14.8284018	2.6712963	0.49413265									
7.11748084	5.3816388	3.75	0.20790816									
7.01573158	8.30165669	3.39814815	0.23392857									
6.38129033	10.8779718	2.50462963	0.22397959									
5.80945997	13.4161821	1.73611111	0.18112245									
7.19581017	5.076294	3.83796296	0.10459184									
8.86430364	7.80547139	3.79166667	0.25382653									
8.74683594	11.6796285	3.25	0.32882653									
8.56662592	15.2100195	2.46759259	0.36785714									
8.62143017	1.33575691	3.99537037	0.24464286									
10.4778352	4.9427373	3.56481481	0.3380102									
10.7677062	8.5497177	2.80092593	0.3625									
10.0862148	12.2328444	1.96296296	0.33418367									
8.77806253	2.59530421	3.97685185	0.29744898									
9.75723166	6.5076294	3.83796296	0.40153061									
9.62412438	10.3818498	3.33796296	0.43214286									
8.64492896	14.3703213	2.74074074	0.39846939									
		8.41282005	0.32877865									
		5.96449272	0.21842213									
		1.36828859	0.02707829									
		6.88049626	0.11378699									
		7.30862326	0.35894685									
		5.86512849	0.42027611									
		0.9537844	0.09593913									
		4.19990737	0.23947779									
		6.38171024	0.31537507									
		4.56392479	0.3259232									
		0.95297976	0.12127664									
		2.99718842	0.20315072									
		10.361145	0.57042029									
		7.83401868	0.59184532									
		2.94237903	0.15507441									
		5.63685272	0.2309062									
		9.13887135	0.4929918									
		6.13865147	0.47089876									
		2.74458619	0.20459155									
		3.88231607	0.16798942									
		6.99574531	0.27829861									
		4.89951776	0.11666667									
		0.55571808	0.04131944									
		5.76888821	0.11545139									
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		7.86774024	0.57604167									
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		5.59066606	0.284375									
		9.31842203	0.55416667									



6.5771885 0.4375  
2.80014456 0.30381944  
4.16313919 0.23576389

0.9	0.1
0.72	0.28
0.54	0.46
0.52	0.48
0.6	0.4
0.68	0.32
0.93	0.07
0.85	0.15
0.76	0.24
0.72	0.28
0.77	0.23
0.8	0.2
0.94	0.06
0.91	0.09
0.86	0.14
0.88	0.12
0.87	0.13
0.83	0.17
0.56	0.44
0.53	0.47
0.45	0.55
0.38	0.62
0.31	0.69
0.28	0.72
0.6	0.4
0.57	0.43
0.52	0.48
0.44	0.56
0.37	0.63
0.32	0.68
0.73	0.27
0.72	0.28
0.71	0.29
0.63	0.37
0.54	0.46
0.41	0.59
0	1.126
0	1.098
0	1.024
0.137	0.863
0.325	0.675
0	1.189
0	1.16
0	1.074
0.092	0.908
0.307	0.693
0	1.195
0	1.117
0	1.065
0.15	0.85
0.381	0.619
0	1.005
0	1.156
0	1.096
0.049	0.951
0.253	0.747
0	1.149
0	1.093
0.042	0.958
0.232	0.768
0.414	0.586
0	1.218
0	1.156
0	1.007
0.196	0.804
0.381	0.619
0.057	0.943
0.066	0.934
0.131	0.869
0.187	0.813
0.296	0.704
0.029	0.971
0.036	0.964
0.113	0.887
0.432	0.568
0.647	0.353
0.042	0.958
0.093	0.907
0.187	0.813

0.488	0.512
0.741	0.259
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0.004	0.996
0.076	0.924
0.104	0.896
0.118	0.882
0.013	0.987
0.003	0.997
0.047	0.953
0.188	0.812
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0.076	0.924
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0.32040816	0.67959184
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	1.91772152				
0.083	1.4416	0.121	0.6664		
0.2005	1.8194	0.1188	0.7749		
0.4858	1.8444	0.1582	0.7036		
0.5439	2.1628	0.1512	0.8073		
0.2949	1.6535	0.0368	0.5822		
0.3494	1.9683	0.0406	0.6967		
0.1542	1.5128	0.0182	0.5636		
0.1808	1.7997	0.0219	0.678		
0.23	1.78			0.113	0.2541
0.06	1.61			0.0215	0.1626
0.06	1.61			0.0164	0.1575
0.46	2.01			0.1678	0.3089
0.23	1.78			-0.0534	0.0877
0.49	2.04			0.0899	0.231
0.59	2.14			0.1846	0.3257
0.58	2.13			0.1346	0.2757
0.41	1.96			0.1914	0.3325
0.39	1.94			0.1802	0.3213
0.56	2.11			0.1878	0.3289
0.1	1.65			0.1536	0.2947
0.56	2.11			0.1855	0.3266
0.6	2.15			0.2195	0.3606
0.62	2.17			0.064	0.2051
0.42	1.97			0.1815	0.3226
0.39	2.29			0.1472	0.3688
0.18	2.08			0.0328	0.2544
0.1	2			0.0267	0.2483
0.52	2.42			0.2105	0.4321
0.33	2.23			-0.054	0.1676
0.51	2.41			0.1053	0.3269
0.67	2.57			0.2249	0.4465
0.64	2.54			0.1789	0.4005
0.52	2.42			0.207	0.4286
0.49	2.39			0.2004	0.422
0.63	2.53			0.2082	0.4298
0.25	2.15			0.1496	0.3712
0.62	2.52			0.2073	0.4289
0.63	2.53			0.2392	0.4608
0.7	2.6			0.0908	0.3124
0.38	2.28			0.1814	0.403
0.46	2.72			0.1325	0.4625
0.32	2.58			0.0484	0.3784
0.15	2.41			0.035	0.365
0.53	2.79			0.2152	0.5452
0.38	2.64			-0.034	0.296
0.48	2.74			0.1061	0.4361
0.67	2.93			0.2219	0.5519
0.62	2.88			0.1774	0.5074
0.58	2.84			0.1904	0.5204
0.55	2.81			0.1887	0.5187
0.64	2.9			0.2036	0.5336
0.28	2.54			0.1311	0.4611
0.62	2.88			0.213	0.543
0.61	2.87			0.2179	0.5479
0.71	2.97			0.0976	0.4276
0.38	2.64			0.1565	0.4865
0.55	3.17			0.113	0.5661
0.35	2.97			0.0675	0.5206
0.2	2.82			0.0451	0.4982
0.5	3.12			0.1783	0.6314
0.45	3.07			-0.0114	0.4417
0.43	3.05			0.0973	0.5504
0.63	3.25			0.1821	0.6352
0.55	3.17			0.1516	0.6047
0.59	3.21			0.1189	0.572
0.58	3.2			0.1146	0.5677
0.63	3.25			0.143	0.5961
0.26	2.88			0.0842	0.5373
0.58	3.2			0.1682	0.6213
0.58	3.2			0.165	0.6181
0.72	3.34			0.0654	0.5185
0.4	3.02			0.1105	0.5636

0.61	3.58	0.0757	0.6352
0.24	3.21	0.0493	0.6088
0.24	3.21	0.0615	0.621
0.46	3.43	0.1224	0.6819
0.48	3.45	0.0028	0.5623
0.36	3.33	0.0772	0.6367
0.61	3.58	0.1208	0.6803
0.48	3.45	0.1098	0.6693
0.57	3.54	0.0581	0.6176
0.55	3.52	0.0511	0.6106
0.58	3.55	0.0903	0.6498
0.29	3.26	0.0641	0.6236
0.54	3.51	0.107	0.6665
0.54	3.51	0.0957	0.6552
0.69	3.66	0.0463	0.6058
0.43	3.4	0.0644	0.6239
0.59	3.9	0.041	0.6883
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0.27	3.58	0.0532	0.7005
0.41	3.72	0.0746	0.7219
0.48	3.79	-0.0114	0.6359
0.3	3.61	0.0484	0.6957
0.56	3.87	0.0614	0.7087
0.4	3.71	0.0652	0.7125
0.49	3.8	0.0101	0.6574
0.47	3.78	0.0012	0.6485
0.51	3.82	0.0409	0.6882
0.29	3.6	0.0343	0.6816
0.47	3.78	0.0494	0.6967
0.48	3.79	0.0391	0.6864
0.61	3.92	0.0166	0.6639
0.42	3.73	0.0179	0.6652
0.48	4.12	0.025	0.7302
-0.15	3.49	-0.0246	0.6806
0.29	3.93	0.0354	0.7406
0.35	3.99	0.0434	0.7486
0.39	4.03	-0.0132	0.692
0.23	3.87	0.0313	0.7365
0.45	4.09	0.0168	0.722
0.32	3.96	0.032	0.7372
0.35	3.99	-0.0254	0.6798
0.34	3.98	-0.0267	0.6785
0.39	4.03	0.0032	0.7084
0.26	3.9	0.0105	0.7157
0.38	4.02	0.0086	0.7138
0.38	4.02	0.0041	0.7093
0.46	4.1	0.0042	0.7094
0.35	3.99	-0.0074	0.6978
-0.07	1.68	0.0053	0.248
0.25	2	0.0676	0.3103
-0.01	1.74	0.0344	0.2771
0.11	1.86	0.0745	0.3172
-0.41	1.34	0.0215	0.2642
0.19	1.94	0.0485	0.2912
0.17	1.92	0.0906	0.3333
0.19	1.94	0.0818	0.3245
0.02	1.77	0.0549	0.2976
0.03	1.78	0.0546	0.2973
0.06	1.81	0.0657	0.3084
-0.19	1.56	0.0498	0.2925
0.17	1.92	0.0858	0.3285
0.11	1.86	0.0697	0.3124
-0.05	1.7	0.0324	0.2751
-0.31	1.44	0.083	0.3257
0.38	2.13	0.0066	0.3398
0.61	2.36	0.0868	0.42
0.38	2.13	0.0467	0.3799
0.49	2.24	0.0735	0.4067
0.13	1.88	0.029	0.3622
0.53	2.28	0.0555	0.3887
0.54	2.29	0.0941	0.4273
0.56	2.31	0.0846	0.4178
0.44	2.19	0.0443	0.3775
0.44	2.19	0.0421	0.3753
0.48	2.23	0.0637	0.3969
0.32	2.07	0.0542	0.3874
0.54	2.29	0.0909	0.4241
0.47	2.22	0.0635	0.3967
0.41	2.16	0.0225	0.3557
0.19	1.94	0.0782	0.4114
0.13	2.56	-0.013	0.4399
0.26	2.69	0.0766	0.5295

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0.18	2.61			0.0562	0.5091
-0.05	2.38			0.023	0.4759
0.21	2.64			0.0505	0.5034
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0.19	2.62			0.0609	0.5138
0.1	2.53			0.039	0.4919
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0.18	2.61			0.0532	0.5061
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0.2	2.97			-0.0303	0.5346
0.21	2.98			0.039	0.6039
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0.27	3.04			0.04	0.6049
0.25	3.02			0.0532	0.6181
0.22	2.99			0.0031	0.568
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0.24	3.01			0.0305	0.5954
0.16	2.93			0.0347	0.5996
0.26	3.03			0.0346	0.5995
0.21	2.98			0.0207	0.5856
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0.11	2.88			0.0391	0.604
0.26	3.36			-0.0411	0.6105
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0.21	3.31			0.0127	0.6643
0.17	3.27			-0.0031	0.6485
0.18	3.28			0.0236	0.6752
0.28	3.38			0.0029	0.6545
0.23	3.33			0.0222	0.6738
0.24	3.34			-0.0256	0.626
0.24	3.34			-0.0293	0.6223
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-0.06	3.37			-0.0429	0.6687
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0.21	3.64			-0.0284	0.6832
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0.2	3.63			-0.0426	0.669
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0.2	3.63			-0.0123	0.6993
0.2	3.94			-0.0344	0.7024
-0.27	3.47			-0.0529	0.6839
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0.1	3.84			-0.0003	0.7365
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0.1	1.39	0.4	2.1		
0.23	1.6				
0.25	1.83				
0.17	1.46	0.6	2.4		

0.23	<b>1.67</b>		
0.24	<b>1.91</b>		
0.15	<b>1.44</b>	0.8	<b>2.5</b>
0.33	<b>1.7</b>		
0.37	<b>1.95</b>		
0.24	<b>1.53</b>	1	<b>2.8</b>
0.34	<b>1.78</b>		
0.36	<b>2.03</b>		
0.18	<b>1.47</b>	1	<b>2.7</b>
0.35	<b>1.72</b>		
0.38	<b>1.96</b>		
0.28	<b>1.57</b>	0.7	<b>2.5</b>
0.37	<b>1.81</b>		
0.36	<b>2.03</b>		