

MOCO_analysis

Yiming

2018-10-19 09:02:37

```
theme.custom <- theme(plot.title = element_text(size=16, face="bold"),
  axis.title.x = element_text(size=14),
  axis.title.y = element_text(size=14),
  strip.text = element_text(size=14),
  axis.text = element_text(size=11),
  legend.position="bottom",
  legend.title=element_blank(),
  legend.text=element_text(size=11))
```

Import aggregate data

Here we import the aggregate data file found in `analyses/data-aggregate/moco-beh-child.csv`, convert `AgeDays` to a categorical factor, `AgeYrs` (nominal) and `'Age'` (ordinal), convert gender into 1 (female) and 2 (male). In this dataset, the NaN of `Acc` is fixed but the outliers are not cleaned up.

```
# Import child MOCO data, normalize
df <- read.csv(file = "analyses/data-aggregate/moco-beh-child.csv", header = TRUE)

# Convert age in days to years
which(df$AgeDays < 5*365.25) # there is no child younger than 5 yrs

## integer(0)
df$AgeYrs <- ordered(cut(df$AgeDays/365.25,
  breaks = c(5,6,7,8,9),
  labels = c("5yo", "6yo", "7yo", "8yo")))

df$Age <- ordered(cut(df$AgeDays/365.25,
  breaks = c(5,6,7,8,9),
  labels = c("5", "6", "7", "8")))

# Convert gender into dummy
df$Sex <- as.numeric(as.factor(df$Gender)) # Male 2, Female 1

# read the first 6 rows of the data
head(df)
```

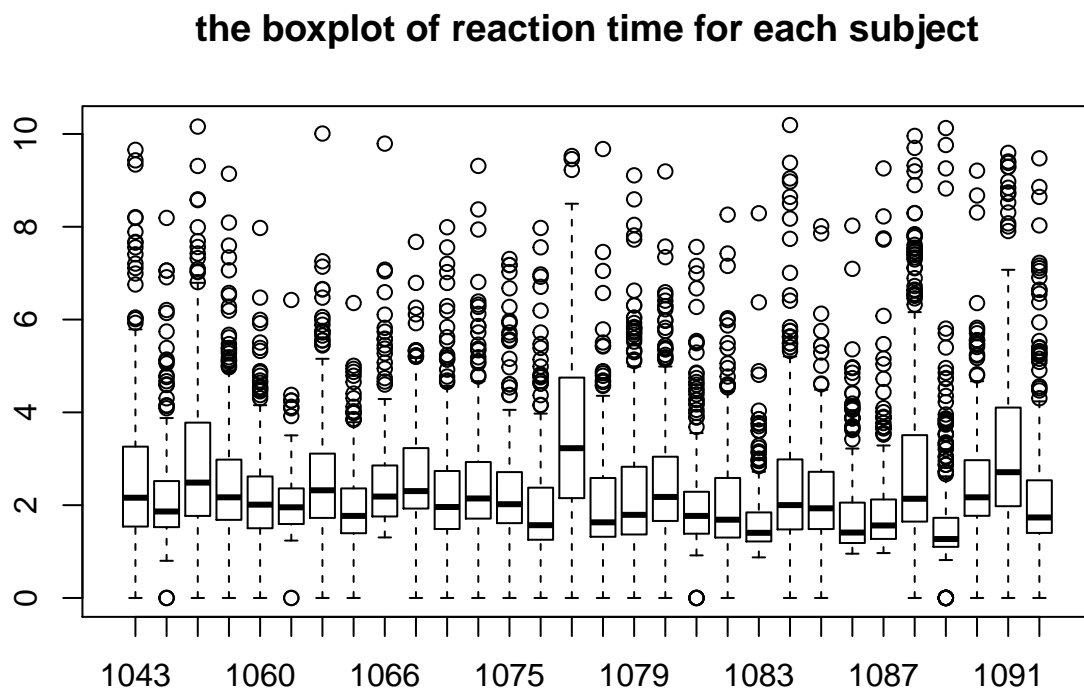
```
##   SubID Block Trial PatternType LeftCoh RightCoh Response    RT  Acc
## 1  1043     1     6      radial    0.45     0.00         L 1.6063 TRUE
## 2  1043     1     9      linear    0.00     0.30         R 1.6185 TRUE
## 3  1043     2    11      linear    0.45     0.00         L 2.2521 TRUE
## 4  1043     3    13      linear    0.45     0.00         L 2.4530 TRUE
## 5  1043     3    16      radial    0.00     0.45         R 1.4516 TRUE
## 6  1043     3     6      radial    0.15     0.00         L 2.2188 TRUE
##   Speed AgeDays Gender    Condition
## 1     8     2704   Male unknown.no.rpt linear-radial coh [.15 .3 .45 .6]
```

```
## 2      8      2704      Male unknown.no.rpt linear-radial coh [.15 .3 .45 .6]
## 3      2      2704      Male unknown.no.rpt linear-radial coh [.15 .3 .45 .6]
## 4      2      2704      Male unknown.no.rpt linear-radial coh [.15 .3 .45 .6]
## 5      2      2704      Male unknown.no.rpt linear-radial coh [.15 .3 .45 .6]
## 6      2      2704      Male unknown.no.rpt linear-radial coh [.15 .3 .45 .6]
##  group.name Coh AgeYrs Age Sex
## 1      8228 0.45    7yo  7   2
## 2      8228 0.30    7yo  7   2
## 3      8228 0.45    7yo  7   2
## 4      8228 0.45    7yo  7   2
## 5      8228 0.45    7yo  7   2
## 6      8228 0.15    7yo  7   2
```

Clean the data

Here we clean up the data in the trials level.

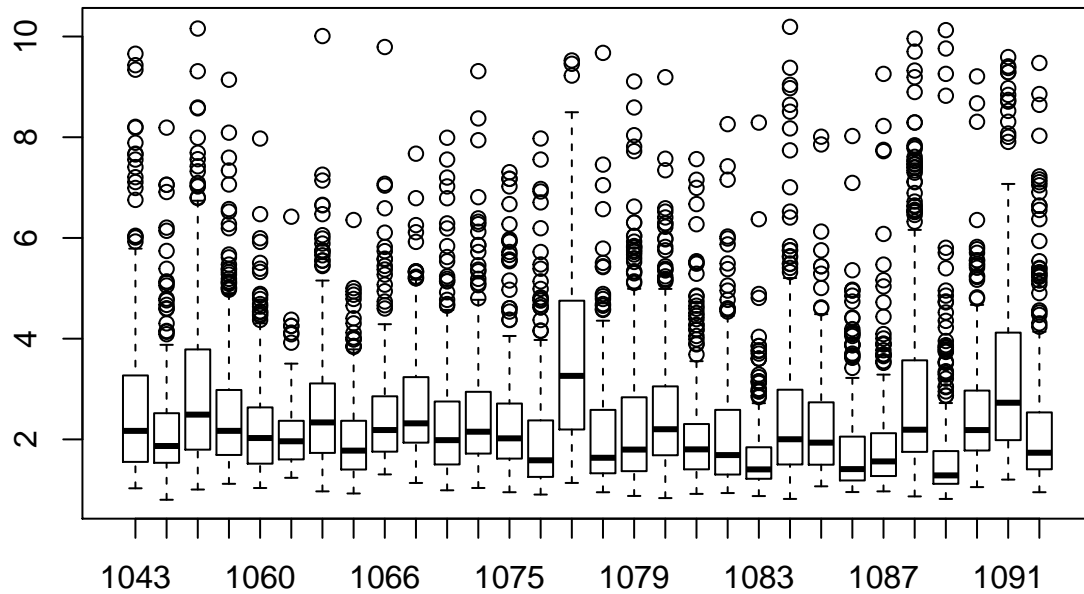
```
# plot the outlier
boxplot(RT ~ SubID, data=df, main="the boxplot of reaction time for each subject")
```



```
# from this boxplot, we can see subject 1076 has larger variance than the other. (Shall we exclude da
# In the previous aggregation, no response trials are treated as "False" response and RT is 0. Revalue
df2<-df
df2$RT[which(df$RT==0 & df$Acc==FALSE)] <- NA
# all RT of zero value is included (showed by boxplot)
```

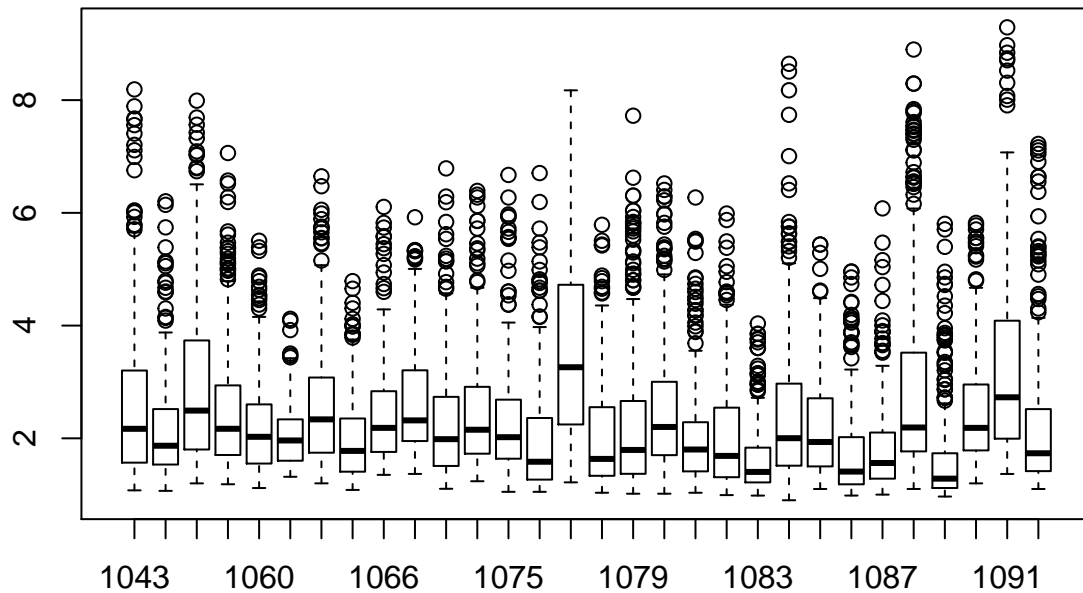
```
boxplot(RT ~ SubID, data=df2, main="the boxplot of cleaned reaction time for each subject")
```

the boxplot of cleaned reaction time for each subject



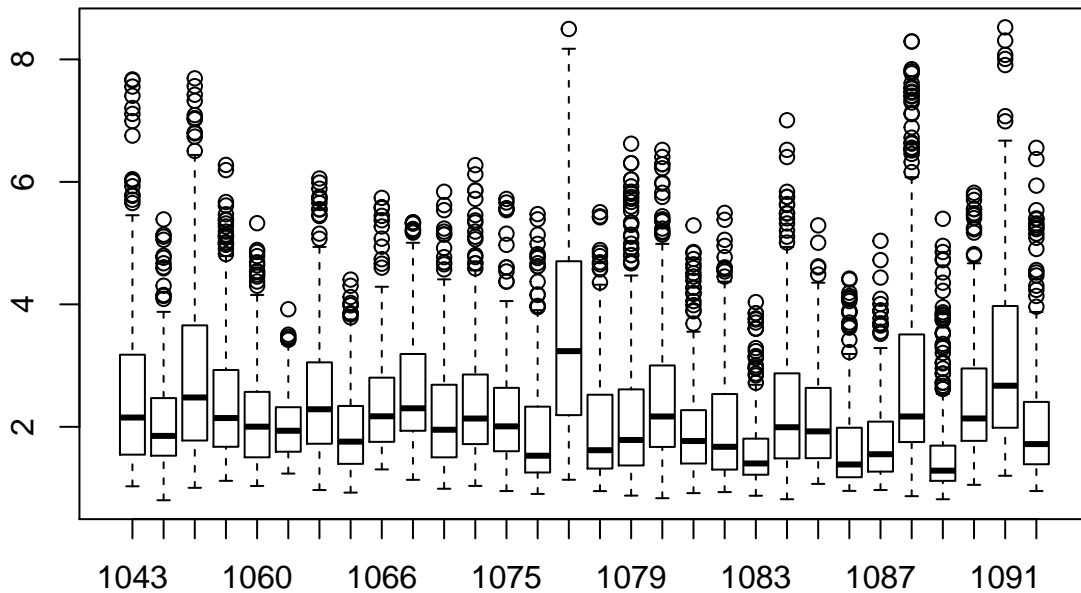
```
# Clean the outliers, the observations that lie outside 3SD (2 cases: very long RT with accurate/inaccurate)
# method 1: remove the 1% quantile outliers
outliersQ<- function(x, na.rm = TRUE, ...) {
  qnt <- quantile(x, probs=c(.01, .99), na.rm = na.rm, ...)
  y <- x
  y[x < qnt[1] ] <- NA
  y[x > qnt[2] ] <- NA
  y
}
df2 %>%
  group_by(SubID) %>%
  mutate(RT = outliersQ(RT)) -> df.clean
boxplot(RT ~ SubID, data=df.clean, main="the boxplot of reaction time for each subject cleaned by quantile")
```

the boxplot of reaction time for each subject cleaned by quantile



```
# method 2: remove the outliers by z score (3 standard deviation from mean)
outliersZ <- function(x, cutoff) {
  #compute standard deviation (sample version n = n [not n-1])
  y<-x
  stdev <- sqrt(sum((x - mean(x, na.rm = T))^2, na.rm = T) / sum(!is.na(x)))
  y[abs(x - mean(x, na.rm = T)) > cutoff*stdev ] <- NA
  y
}
df.clean <- df2 %>%
  group_by(SubID) %>%
  mutate(RT = outliersZ(RT,3))
boxplot(RT ~ SubID, data=df.clean, main="the boxplot of reaction time for each subject cleaned by zscore")
```

the boxplot of reaction time for each subject cleaned by zscore



```
df2<-df.clean
## The fifth subject (subj 1077) has larger variance of RT than the other subjects.
```

subject-level cleaning

Let's check the plot of df2 for each subject by computing some summary statistics across trial and block. These summary values are saved to the df.bysub.bycond data frame.

```
# summary statistics of df2
df2 %>%
  group_by(AgeYrs, Gender, SubID, Coh) %>%
  summarize(N.corr = sum(Acc),
            N.tot = n(),
            Pct.Corr = N.corr/N.tot,
            RT.mean=mean(RT, na.rm = T),
            RT.sd=sd(RT, na.rm = T)) ->
  df.summary

df.summary <- df.summary %>%
  group_by(Coh) %>%
  mutate(pcorr.mean=mean(Pct.Corr),
         pcorr.sd=sd(Pct.Corr),
         RT.mean.mean=mean(RT.mean),
         RT.mean.sd=sd(RT.mean))

head(df.summary)
```

```
## # A tibble: 6 x 13
## # Groups:   Coh [6]
##   AgeYrs Gender SubID Coh N.corr N.tot Pct.Corr RT.mean RT.sd pcorr.mean
##   <ord> <fct> <int> <dbl> <int> <int> <dbl> <dbl> <dbl> <dbl>
## 1 5yo Female 1059 0.2 58 80 0.725 2.79 1.21 0.778
## 2 5yo Female 1059 0.4 67 80 0.838 2.53 1.13 0.915
## 3 5yo Female 1059 0.6 71 80 0.888 2.24 0.772 0.956
## 4 5yo Female 1059 0.8 72 80 0.9 2.34 1.04 0.965
## 5 5yo Female 1065 0.15 47 80 0.588 2.43 0.792 0.729
## 6 5yo Female 1065 0.3 66 80 0.825 1.99 0.673 0.910
## # ... with 3 more variables: pcorr.sd <dbl>, RT.mean.mean <dbl>,
## # RT.mean.sd <dbl>
```

```
# summary statistics of df2 by condition
```

```
df2 %>%
```

```
  group_by(AgeYrs, Gender, Age, SubID, PatternType, Speed, Coh) %>%
  summarize(N.corr = sum(Acc),
            N.tot = n(),
            Pct.Corr = N.corr/N.tot,
            RT.mean=mean(RT, na.rm = T),
            RT.sd=sd(RT, na.rm = T)) ->
```

```
  df.bysub.bycond
```

```
df.bysub.bycond <- df.bysub.bycond %>%
```

```
  group_by(PatternType,Speed,Coh) %>%
  mutate(pcorr.mean=mean(Pct.Corr),
         pcorr.sd=sd(Pct.Corr),
         RT.mean.mean=mean(RT.mean),
         RT.mean.sd=sd(RT.mean) )
```

```
# read the first 6 rows of this data
```

```
head(df.bysub.bycond)
```

```
## # A tibble: 6 x 16
## # Groups:   PatternType, Speed, Coh [6]
##   AgeYrs Gender Age SubID PatternType Speed Coh N.corr N.tot Pct.Corr
##   <ord> <fct> <ord> <int> <fct> <int> <dbl> <int> <int> <dbl>
## 1 5yo Female 5 1059 linear 2 0.2 13 20 0.65
## 2 5yo Female 5 1059 linear 2 0.4 16 20 0.8
## 3 5yo Female 5 1059 linear 2 0.6 17 20 0.85
## 4 5yo Female 5 1059 linear 2 0.8 19 20 0.95
## 5 5yo Female 5 1059 linear 8 0.2 16 20 0.8
## 6 5yo Female 5 1059 linear 8 0.4 18 20 0.9
## # ... with 6 more variables: RT.mean <dbl>, RT.sd <dbl>, pcorr.mean <dbl>,
## # pcorr.sd <dbl>, RT.mean.mean <dbl>, RT.mean.sd <dbl>
```

```
# the y axis represents the observations and the x axis represents the quantiles modeled by the distrib
library(car)
```

```
## Loading required package: carData
```

```
##
```

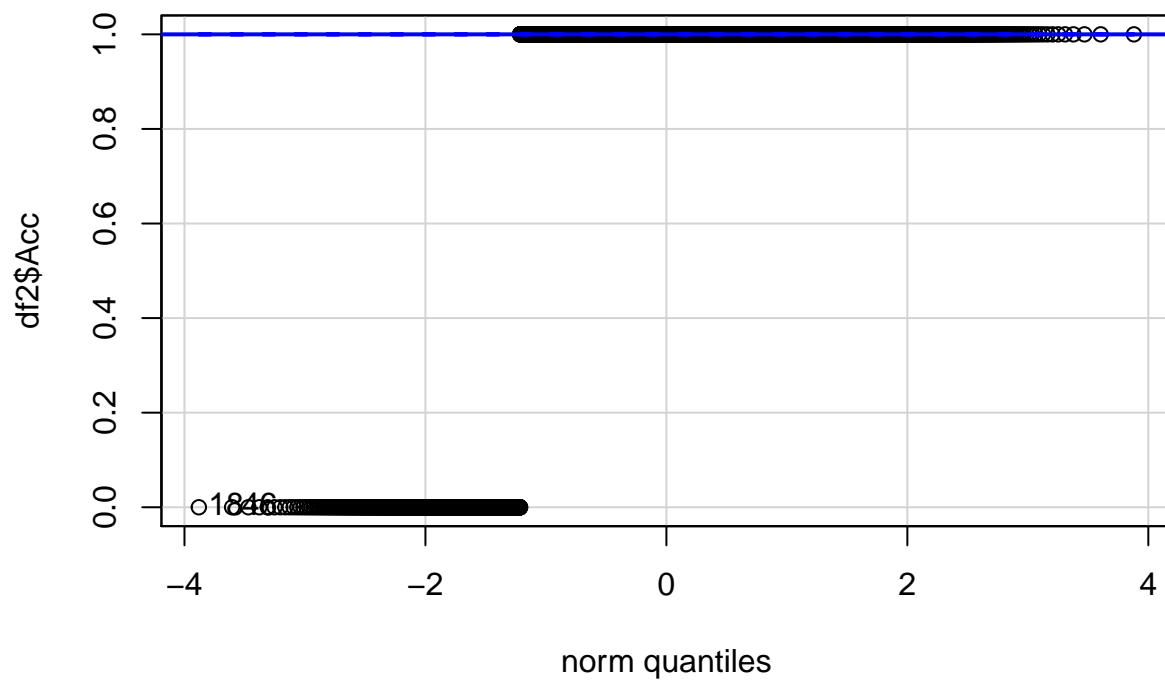
```
## Attaching package: 'car'
```

```
## The following object is masked from 'package:dplyr':
```

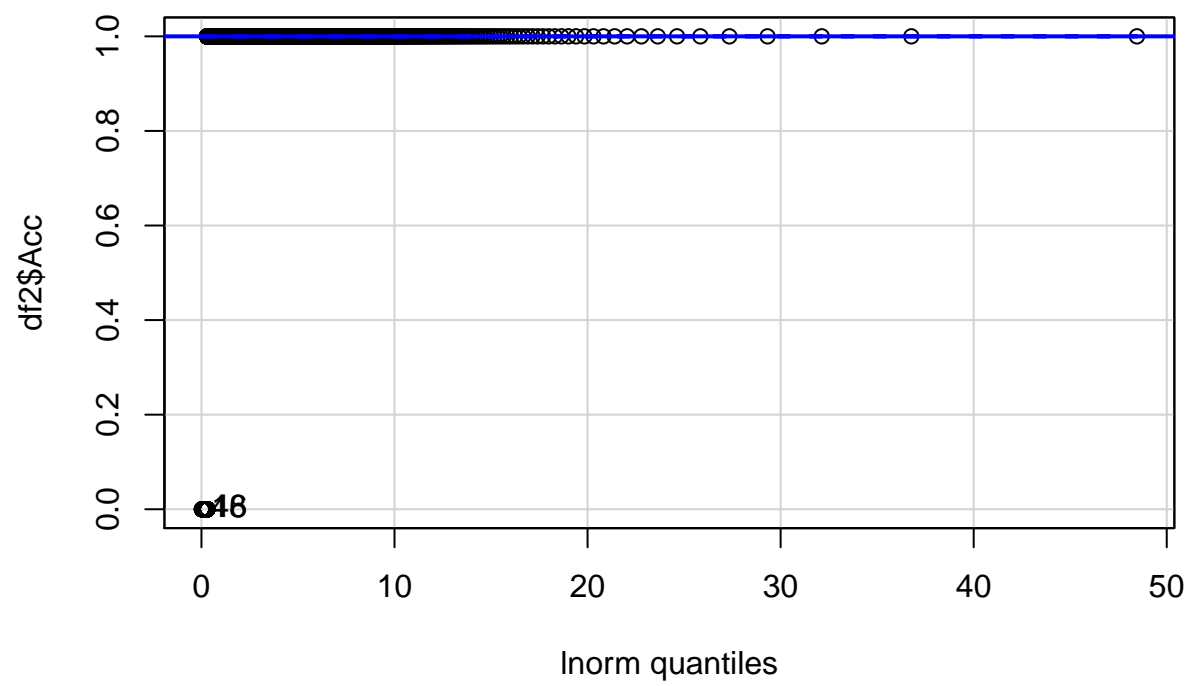
```
##
```

```
## recode
```

```
## The following object is masked from 'package:purrr':
##
##      some
qqp(df2$Acc, "norm")
```



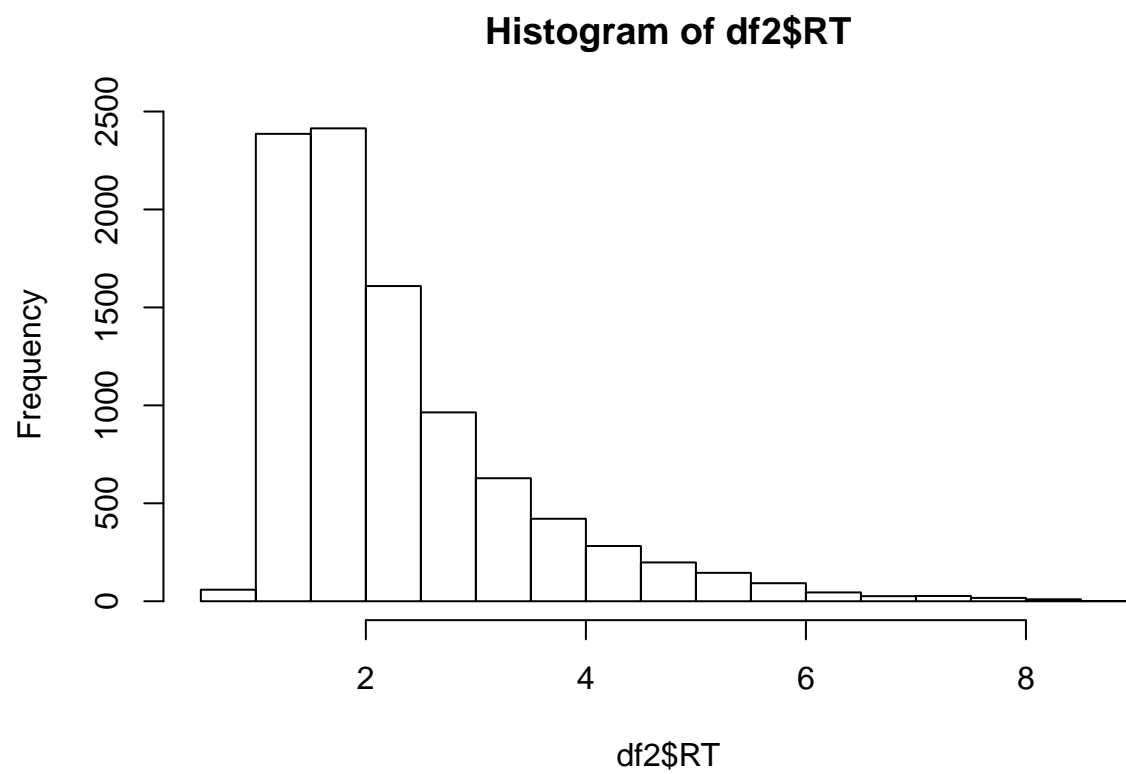
```
## [1] 18 46
# lognormal
qqp(df2$Acc, "lnorm")
```



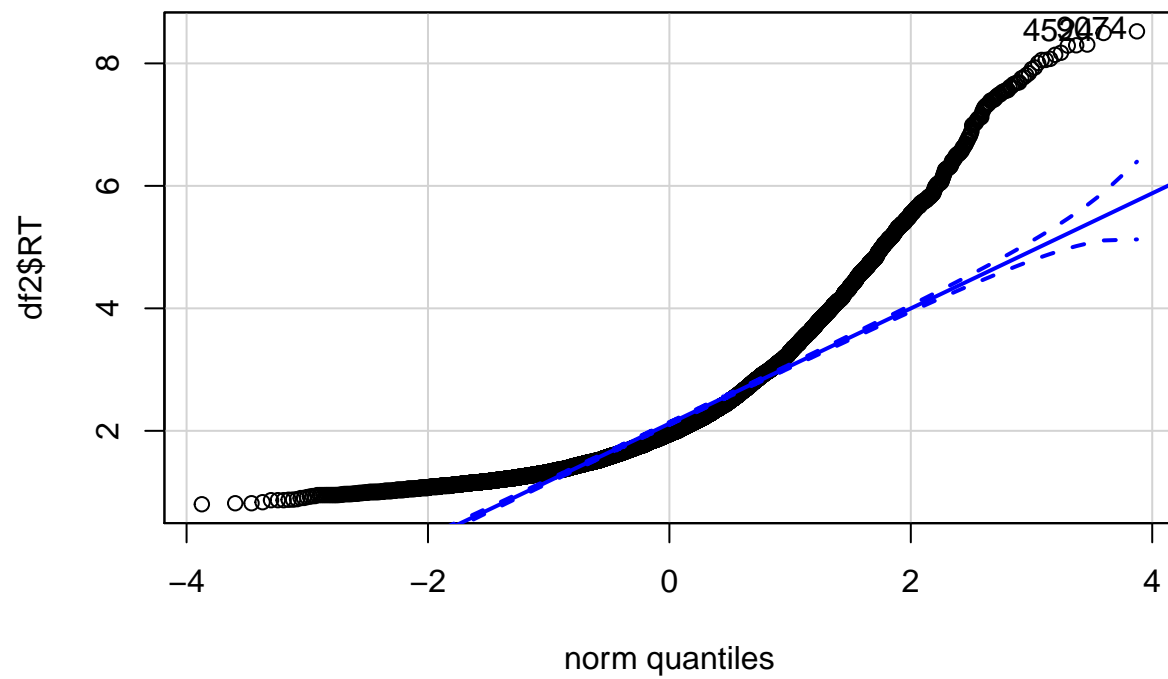
```
## [1] 18 46
```

```
# test normality of RT
```

```
hist(df2$RT)
```

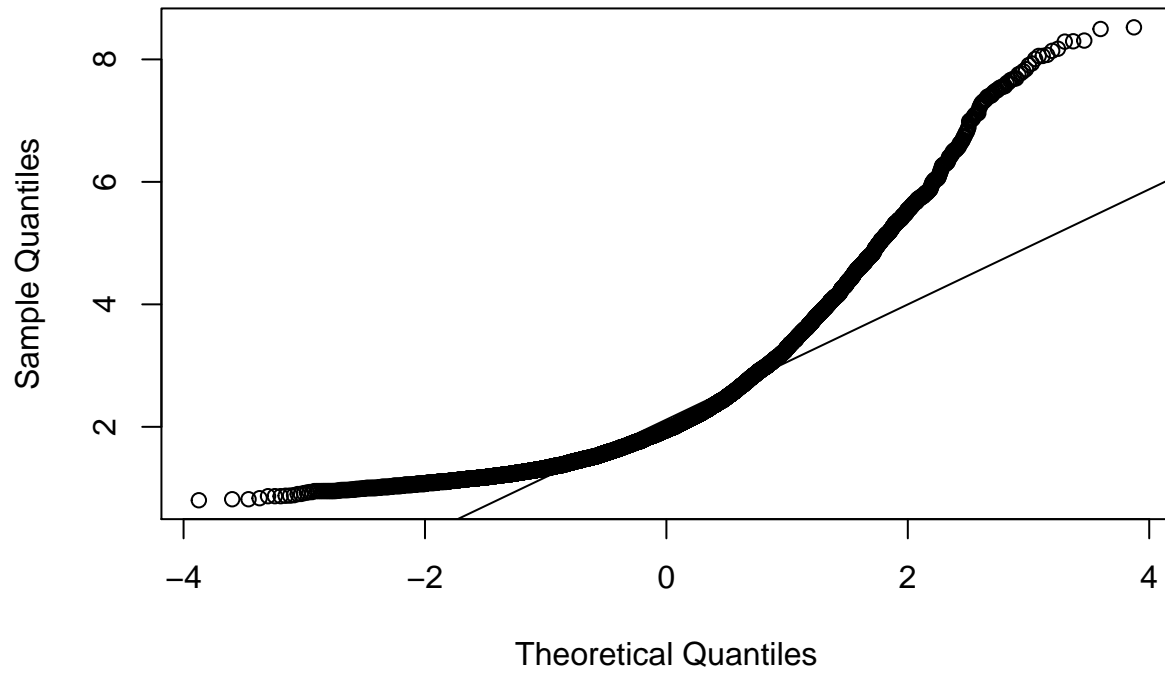
```
qqPlot(df2$RT)
```



```
## [1] 9074 4524
```

```
qqnorm(df2$RT); qqline(df2$RT)
```

Normal Q-Q Plot



```
df2 %>%  
  group_by(SubID) %>%  
  summarize(results = data_frame(shapiro.test(RT)))->shapiroresult # From the output, the p-value > 0.0  
# the result show all subject do not have normal distribution of RT
```

plot of $p(\text{Corr})$ by subj

```
{r p-corr-subj-mean-plot} # # Plot theme, customizations #
y_lbl <- 'p(corr)' # title_text <- 'p(corr) by subj' # # #
lines for each subj # p1 <- ggplot(df.summary, aes(Coh, Pct.Corr))
+ #   geom_line(aes(group=SubID, color=AgeYrs)) + #   labs(x="Coherence",
y=y_lbl) + #   ggtitle(title_text) + #   theme_bw() + #   theme.custom
+ #   xlim(0, 1) + #   geom_hline(yintercept=0.5, linetype="dashed")
# # sd = 3 # df.summary <- df.summary %>% #   group_by(Coh)
%>% #   mutate(pcorr.lower_bound = pcorr.mean-sd*pcorr.sd, pcorr.upper_bound =
# # # confidence band # p1 <- p1 + #   geom_line(aes(Coh,
pcorr.mean), size = 2) + #   geom_ribbon(aes(ymin = pcorr.lower_bound,
ymax =pcorr.upper_bound), fill = "grey70", #   alpha=0.5)
#transparency # # p1 # # I can try geom_smooth function next
time # # from the plot, we can see the accuracy of subj 1088
has below average percentage of accuracy. But it is not significant
#
```

plot of RT by subj

```
{r RT-subj-mean-plot} # # Plot theme, customizations # y_lbl
<- 'RT' # title_text <- 'RT by subj' # # # lines for each
subj # p2 <- ggplot(df.summary, aes(Coh, RT.mean)) + #   geom_line(aes(g
color=AgeYrs)) + #   labs(x="Coherence", y=y_lbl) + #   ggtitle(title_te
+ #   theme_bw() + #   theme.custom + #   xlim(0, 1) + #   geom_hline(yi
linetype="dashed") # # # sd = 3 # df.summary <- df.summary
%>% #   group_by(Coh) %>% #   mutate(RT.lower_bound = RT.mean.mean-sd*RT
# # # confidence band # p2 <- p2 + #   geom_line(aes(Coh,
RT.mean.mean), size = 2) + #   geom_ribbon(aes(ymin = RT.lower_bound,
ymax =RT.upper_bound), fill = "grey70", #   alpha=0.5)
#transparency # # p2
```

““ #Generalized linear mixed effects model with a probit link/ logit link/ weibull model Generalized linear mixed effects model The level 1 (i) is accuracy/RT in each condition for each subject. The level 2 (j) is each subject. The random effects in this model are SubID, Gender and AgeYrs. Fixed effects are Speed, PatternType, Coh, and their interaction $Y_{i,j} = B_{0j} + B_{1j} * PatternType_{ij} + B_{2j} * Speed_{ij} + B_{3j} * Coh_{ij} + e_{ij}$ $B_{0,j} = r_{00} + r_{01} * AgeYrs_j + r_{02} * Gender_j + u_{0j}$ $B_{1,j} = r_{10} + u_{1j}$ $B_{2j} = r_{20} + u_{2j}$ $B_{3j} = r_{30} + u_{3j}$

Accuracy

```
df2Speed <- -factor(df2Speed, labels = c("2deg/s", "8deg/s")) df2Age <- -factor(df2Age, ordered = FALSE)
# the variables can not be ordinal, it will have L, C, Q ### probit link function ##### Empty model
```

```
form.empty <- Acc ~ (1|SubID)
model.acc.empty <- glmer(formula = form.empty, family=binomial(mafc.probit(2)), data = df2)
summary(model.acc.empty)
```

```
ICC_Acc <- 0.1289/(0.1289+0.8074)
```

The result is the same as the uncleaned one

ICC is small (14%) ##### full model with random intercept

```
form.fixed <- Acc ~ Coh + Speed + PatternType + (1|SubID)
model.acc.fixed <- glmer(formula = form.fixed, family=binomial(mafc.probit(2)), data = df2)
summary(model.acc.fixed)
```

AIC 5753

full model with random intercept and random slope

```
model.gender <- Acc ~ Coh + Speed + PatternType + (1+Gender|SubID)
model.acc.gender <- glmer(formula = model.gender, family=binomial(mafc.probit(2)), data = df2 )
summary(model.acc.gender)
```

AIC 5757

```
form.age <- Acc ~ Coh + Speed + PatternType + (Age+1|SubID)
model.acc.age <- glmer(formula = form.age, family=binomial(mafc.probit(2)), data = df2)
summary(model.acc.age)
```

AIC 5767 AIC does not decrease in the random slope model

age and gender as fixed effect

```
form.fixed1 <- Acc ~ Coh + Speed + PatternType + Age + (1|SubID)
model.acc.fixed1 <- glmer(formula = form.fixed1, family=binomial(mafc.probit(2)), data = df2)
summary(model.acc.fixed1)
library(lmtest)
lrtest(model.acc.fixed, model.acc.fixed1) # likelihood test: not significant
# wardtest(model.acc.fixed, model.acc.fixed1)
anova(model.acc.fixed, model.acc.fixed1) # waldtest: significant
```

AIC 5732

```
form.fixed2 <- Acc ~ Coh + Speed + PatternType + Gender + (1|SubID)
model.acc.fixed2 <- glmer(formula = form.fixed2, family=binomial(mafc.probit(2)), data = df2)
summary(model.acc.fixed2)
anova(model.acc.fixed, model.acc.fixed2) #significant
```

AIC 5748

```
form.full <- Acc ~ Coh + Speed + PatternType + Gender + Age + (1|SubID)
model.acc.full <- glmer(formula = form.full, family=binomial(mafc.probit(2)), data = df2)
summary(model.acc.full)
anova(model.acc.fixed, model.acc.full) # significant
```

interaction effect

```
form.full1<- Acc ~ Age + Gender + Coh*Speed*PatternType + (1|SubID)
model.acc.full1 <- glmer(formula = form.full1, family=binomial(mafc.probit(2)), data = df2)
summary(model.acc.full1)
anova(model.acc.full1,model.acc.full)  #better fit
```

```
form.full2<- Acc ~ Coh + Speed + PatternType + Age + Gender + Coh*Speed + Age*Coh +Age*Speed + Age*PatternType
model.acc.full2 <- glmer(formula = form.full2, family=binomial(mafc.probit(2)), data = df2)
summary(model.acc.full2)
anova(model.acc.full1,model.acc.full2)  # better fit
```

bumped up max number of iterations.

```
ss <- getME(model.acc.full,c("theta","fixef"))
```

still failed, Try a different optimizer

“{r find-optimizer}

```
model.acc.full.new <- update(model.acc.full,start=ss,control=glmerControl(c
```

```
optCtrl=list(maxfun=2e5)))
```

```
summary(model.acc.full.new)
```

logit link function

```
form.acc.logit<- Acc ~ Coh + Speed + PatternType + Coh*Speed + Age*Coh +Age*Speed + Age*PatternType + (1|SubID)
model.acc.logit <- glmer(formula = form.acc.logit, family=binomial(mafc.logit(2)), data = df2)
summary(model.acc.logit)
# ss <- getME(model.cloglog.interaction,c("theta","fixef"))
# m2 <- update(model.cloglog.interaction,start=ss,control=glmerControl(optCtrl=list(maxfun=2e4)))
```

AIC 5715, smaller AIC

```
form.acc.cloglog<- Acc ~ Coh + Speed + PatternType + Coh*Speed + Age*Coh +Age*Speed + Age*PatternType + (1|SubID)
model.acc.cloglog <- glmer(formula = form.acc.cloglog, family=binomial(mafc.cloglog(2)), data = df2)
summary(model.acc.cloglog)
# ss <- getME(model.cloglog.interaction,c("theta","fixef"))
# m3 <- update(model.cloglog.interaction,start=ss,control=glmerControl(optimizer="bobyqa", optCtrl=list(maxfun=2e4)))
# summary(m3)
```

AIC 5768

Weibull function

```
accfit <- fitdist(df.bysub.bycond$Pct.Corr,"weibull") # by conditions?
accfit      # estimate
weibull(,shape=9.3969663,scale=0.9412456)
family = mafc.weib( ... )
# library(VGAM)
# form.weibull.interaction<- Acc ~ Coh + Speed + PatternType + Coh*Speed*PatternType + (1|SubID)
# model.weibull.interaction <- vglm(formula = form.weibull.interaction, family = weibull(link='log'), data = df2)
# summary(model.weibull.interaction)
```

Further examination for the models

obtain confidence intervals for the coefficient estimates

```
confint(model.acc.logit) # get the exact 95% confidence interval for the coefficients b exp(confint(model.logit.interaction))
-> -> -> -> ->
```

RT

Probit function

Empty model

```
form.empty.rt <- RT~(1|SubID)
model.empty.rt <- lmer(formula = form.empty.rt, data = df2, REML=FALSE)
summary(model.empty.rt)
```

AIC 27807 ICC_RT <- 0.1849/(0.1849+2.29) Not that the rt is not normally distributed, which violated the assumption of mixed effect model

lm model with random intercept

```
form.fixed.rt <- RT~ Coh + Speed + PatternType + (1|SubID)
model.fixed.rt <- lmer(formula = form.fixed.rt, data = df2, REML=FALSE)
summary(model.fixed.rt)
```

AIC 26162

Gaussian model with random intercept

```
# normalize to mean=0, sd=1
RT.norm <- (df2$RT - mean(df2$RT,na.rm=T)) / sd(df2$RT,na.rm = T)
# Is it Gaussian distributed?
ks.test(RT.norm,y='pnorm',alternative='two.sided') # No.The normalized result is still not Gaussian distributed.
# shall I do the normalization subject by subject?
form.fixed.rt2 <- RT.norm ~ Coh + Speed + PatternType + (1|SubID)
```

```
model.fixed.rt2 <- lmer(formula = form.fixed.rt2, data = df2, REML=FALSE)
summary(model.fixed.rt2)
```

AIC 23515

lmer is used to fit linear mixed-effect models, so it assumes that the residual error has a Gaussian distribution. test whether the residual error is gaussian distribution

```
#rt.res = resid(model.fixed.rt2)
#plot(rt.res, ylab="Residuals", main="residual of the rt")
#abline(0, 0) # the horizon
#hist(rt.res)
#shapiro.test(rt.res) # sample size must be between 3 to 5000
#ks.test(rt.res,y='pnorm',alternative='two.sided') # it is not normal distribution
```

Gaussian model with random slope:age

```
form.random.age <- RT.norm ~ Coh + Speed + PatternType + Gender + Age + (Age|SubID)
model.random.age <- lmer(formula = form.random.age, data = df2, REML=FALSE)
summary(model.random.age)
```

AIC 23514

Gaussian model with random slope: gender

```
form.random.gender<- RT.norm ~ Coh + Speed + PatternType + (Gender|SubID)
model.random.gender <- lmer(formula = form.random.gender, data = df2, REML=FALSE)
summary(model.random.gender)
anova(model.random.gender,model.fixed.rt2)
```

AIC 23519 No significant difference

Gaussian model with interaction

```
form.interaction.rt<- RT.norm ~ Coh + Speed + PatternType + Age+ Gender + Coh*Speed*PatternType+ (1|SubID)
model.interaction.rt <- lmer(formula = form.interaction.rt, data = df2, REML=FALSE)
summary(model.interaction.rt) #AIC 23507

form.full.rt<- RT.norm ~ Coh + Speed + PatternType + Age+ Gender + Age*Coh + Age*Speed +Age*PatternType
model.full.rt <- lmer(formula = form.full.rt, data = df2, REML=FALSE)
summary(model.full.rt) #AIC 23411
anova(model.full.rt, model.interaction.rt)
```

survival function


```

library(survival)
# create a Surv object
survobj <- with(df2, Surv(RT,Acc))
# Plot survival distribution of the total sample
# Kaplan-Meier estimator
fit0 <- survfit(survobj~1, data=df2)
summary(fit0)

## Call: survfit(formula = survobj ~ 1, data = df2)
##
## 276 observations deleted due to missingness
##      time n.risk n.event survival  std.err lower 95% CI upper 95% CI
##  0.801   9324      1  0.99989 0.000107   0.999683   1.00000
##  0.817   9323      1  0.99979 0.000152   0.999488   1.00000
##  0.818   9322      1  0.99968 0.000186   0.999314   1.00000
##  0.834   9321      1  0.99957 0.000214   0.999151   0.99999
##  0.867   9320      1  0.99946 0.000240   0.998994   0.99993
##  0.867   9319      1  0.99936 0.000263   0.998842   0.99987
##  0.868   9318      1  0.99925 0.000284   0.998693   0.99981
##  0.874   9317      1  0.99914 0.000303   0.998548   0.99974
##  0.877   9316      1  0.99903 0.000322   0.998405   0.99967
##  0.884   9315      1  0.99893 0.000339   0.998263   0.99959
##  0.902   9314      1  0.99882 0.000355   0.998124   0.99952
##  0.904   9313      1  0.99871 0.000371   0.997986   0.99944
##  0.917   9312      1  0.99861 0.000386   0.997849   0.99936
##  0.935   9309      1  0.99850 0.000401   0.997713   0.99928
##  0.950   9308      1  0.99839 0.000415   0.997578   0.99921
##  0.951   9307      1  0.99828 0.000429   0.997444   0.99912
##  0.951   9306      1  0.99818 0.000442   0.997311   0.99904
##  0.951   9305      1  0.99807 0.000455   0.997179   0.99896
##  0.951   9304      1  0.99796 0.000467   0.997047   0.99888
##  0.951   9303      1  0.99785 0.000479   0.996916   0.99879
##  0.951   9302      1  0.99775 0.000491   0.996786   0.99871
##  0.951   9301      1  0.99764 0.000502   0.996656   0.99863
##  0.951   9300      1  0.99753 0.000514   0.996527   0.99854
##  0.951   9299      1  0.99743 0.000525   0.996398   0.99845
##  0.951   9298      1  0.99732 0.000536   0.996269   0.99837
##  0.951   9297      1  0.99721 0.000546   0.996141   0.99828
##  0.952   9296      1  0.99710 0.000557   0.996014   0.99820
##  0.954   9295      1  0.99700 0.000567   0.995887   0.99811
##  0.958   9294      1  0.99689 0.000577   0.995760   0.99802
##  0.959   9293      1  0.99678 0.000587   0.995633   0.99793
##  0.967   9292      1  0.99667 0.000596   0.995507   0.99784
##  0.967   9291      1  0.99657 0.000606   0.995381   0.99776
##  0.968   9290      1  0.99646 0.000615   0.995255   0.99767
##  0.968   9289      1  0.99635 0.000624   0.995130   0.99758
##  0.968   9288      2  0.99614 0.000642   0.994880   0.99740
##  0.968   9286      1  0.99603 0.000651   0.994756   0.99731
##  0.969   9285      1  0.99592 0.000660   0.994631   0.99722
##  0.970   9284      1  0.99582 0.000668   0.994507   0.99713
##  0.972   9283      1  0.99571 0.000677   0.994383   0.99704
##  0.973   9282      1  0.99560 0.000685   0.994260   0.99695
##  0.974   9281      1  0.99549 0.000694   0.994136   0.99686

```

##	0.974	9280	1	0.99539	0.000702	0.994013	0.99676
##	0.975	9279	1	0.99528	0.000710	0.993890	0.99667
##	0.984	9278	1	0.99517	0.000718	0.993767	0.99658
##	0.984	9277	1	0.99507	0.000726	0.993644	0.99649
##	0.984	9276	1	0.99496	0.000734	0.993522	0.99640
##	0.985	9273	1	0.99485	0.000741	0.993399	0.99631
##	0.987	9272	1	0.99474	0.000749	0.993277	0.99621
##	0.988	9271	1	0.99464	0.000756	0.993155	0.99612
##	0.989	9270	1	0.99453	0.000764	0.993033	0.99603
##	0.989	9269	1	0.99442	0.000771	0.992911	0.99593
##	0.990	9268	1	0.99431	0.000779	0.992790	0.99584
##	0.993	9267	1	0.99421	0.000786	0.992668	0.99575
##	0.995	9266	1	0.99410	0.000793	0.992547	0.99566
##	1.001	9265	1	0.99399	0.000800	0.992425	0.99556
##	1.001	9264	1	0.99389	0.000807	0.992304	0.99547
##	1.001	9262	5	0.99335	0.000842	0.991700	0.99500
##	1.001	9257	5	0.99281	0.000875	0.991099	0.99453
##	1.001	9252	2	0.99260	0.000888	0.990859	0.99434
##	1.002	9250	1	0.99249	0.000894	0.990739	0.99424
##	1.002	9249	1	0.99238	0.000901	0.990620	0.99415
##	1.002	9248	1	0.99228	0.000907	0.990500	0.99405
##	1.003	9247	1	0.99217	0.000913	0.990381	0.99396
##	1.004	9246	1	0.99206	0.000919	0.990261	0.99386
##	1.005	9245	1	0.99195	0.000925	0.990142	0.99377
##	1.006	9244	1	0.99185	0.000931	0.990023	0.99367
##	1.008	9243	1	0.99174	0.000937	0.989904	0.99358
##	1.010	9242	1	0.99163	0.000944	0.989785	0.99348
##	1.011	9241	1	0.99152	0.000949	0.989665	0.99339
##	1.017	9240	1	0.99142	0.000955	0.989547	0.99329
##	1.017	9239	1	0.99131	0.000961	0.989428	0.99320
##	1.018	9238	4	0.99088	0.000985	0.988953	0.99281
##	1.018	9234	2	0.99067	0.000996	0.988716	0.99262
##	1.018	9232	3	0.99034	0.001013	0.988361	0.99233
##	1.018	9229	3	0.99002	0.001029	0.988007	0.99204
##	1.018	9226	2	0.98981	0.001040	0.987771	0.99185
##	1.019	9224	1	0.98970	0.001046	0.987653	0.99175
##	1.020	9223	2	0.98949	0.001056	0.987417	0.99156
##	1.020	9221	1	0.98938	0.001062	0.987300	0.99146
##	1.021	9220	1	0.98927	0.001067	0.987182	0.99136
##	1.021	9219	1	0.98916	0.001072	0.987064	0.99127
##	1.025	9218	1	0.98906	0.001078	0.986947	0.99117
##	1.029	9217	1	0.98895	0.001083	0.986829	0.99107
##	1.029	9216	1	0.98884	0.001088	0.986712	0.99098
##	1.034	9215	1	0.98873	0.001093	0.986594	0.99088
##	1.034	9213	5	0.98820	0.001119	0.986008	0.99039
##	1.034	9208	2	0.98798	0.001129	0.985774	0.99020
##	1.034	9206	5	0.98745	0.001153	0.985189	0.98971
##	1.034	9201	2	0.98723	0.001163	0.984956	0.98951
##	1.035	9199	2	0.98702	0.001173	0.984722	0.98932
##	1.035	9197	1	0.98691	0.001177	0.984606	0.98922
##	1.035	9196	1	0.98680	0.001182	0.984489	0.98912
##	1.035	9195	1	0.98670	0.001187	0.984372	0.98902
##	1.035	9194	1	0.98659	0.001192	0.984256	0.98893
##	1.036	9193	1	0.98648	0.001196	0.984139	0.98883

##	1.037	9192	1	0.98637	0.001201	0.984023	0.98873
##	1.038	9191	1	0.98627	0.001206	0.983906	0.98863
##	1.039	9190	1	0.98616	0.001210	0.983790	0.98853
##	1.041	9189	1	0.98605	0.001215	0.983674	0.98844
##	1.041	9188	1	0.98594	0.001219	0.983557	0.98834
##	1.043	9187	1	0.98584	0.001224	0.983441	0.98824
##	1.051	9186	1	0.98573	0.001229	0.983325	0.98814
##	1.051	9185	6	0.98509	0.001256	0.982628	0.98755
##	1.051	9179	11	0.98391	0.001304	0.981354	0.98646
##	1.051	9168	1	0.98380	0.001308	0.981238	0.98636
##	1.051	9167	3	0.98348	0.001320	0.980891	0.98607
##	1.051	9164	1	0.98337	0.001325	0.980776	0.98597
##	1.052	9163	2	0.98315	0.001333	0.980545	0.98577
##	1.052	9161	1	0.98305	0.001337	0.980429	0.98567
##	1.052	9160	1	0.98294	0.001341	0.980314	0.98557
##	1.052	9159	1	0.98283	0.001346	0.980198	0.98547
##	1.052	9158	1	0.98272	0.001350	0.980083	0.98537
##	1.053	9157	1	0.98262	0.001354	0.979968	0.98527
##	1.053	9156	1	0.98251	0.001358	0.979852	0.98518
##	1.053	9155	1	0.98240	0.001362	0.979737	0.98508
##	1.054	9154	1	0.98230	0.001366	0.979622	0.98498
##	1.055	9153	2	0.98208	0.001374	0.979391	0.98478
##	1.056	9151	1	0.98197	0.001378	0.979276	0.98468
##	1.056	9150	1	0.98187	0.001382	0.979161	0.98458
##	1.057	9149	1	0.98176	0.001386	0.979046	0.98448
##	1.058	9148	1	0.98165	0.001390	0.978931	0.98438
##	1.059	9147	1	0.98154	0.001394	0.978816	0.98428
##	1.067	9146	3	0.98122	0.001406	0.978470	0.98398
##	1.068	9142	8	0.98036	0.001437	0.977551	0.98318
##	1.068	9133	7	0.97961	0.001464	0.976747	0.98249
##	1.068	9126	9	0.97865	0.001497	0.975716	0.98159
##	1.068	9117	4	0.97822	0.001512	0.975258	0.98119
##	1.068	9113	1	0.97811	0.001516	0.975143	0.98108
##	1.069	9112	2	0.97789	0.001523	0.974914	0.98088
##	1.072	9110	1	0.97779	0.001527	0.974800	0.98078
##	1.074	9109	1	0.97768	0.001530	0.974686	0.98068
##	1.074	9108	1	0.97757	0.001534	0.974571	0.98058
##	1.075	9107	1	0.97747	0.001537	0.974457	0.98048
##	1.079	9105	1	0.97736	0.001541	0.974342	0.98038
##	1.084	9104	1	0.97725	0.001545	0.974228	0.98028
##	1.084	9103	3	0.97693	0.001555	0.973885	0.97998
##	1.084	9100	5	0.97639	0.001573	0.973314	0.97948
##	1.084	9095	13	0.97500	0.001617	0.971831	0.97817
##	1.085	9082	8	0.97414	0.001644	0.970920	0.97737
##	1.085	9074	2	0.97392	0.001651	0.970692	0.97716
##	1.085	9072	1	0.97382	0.001654	0.970579	0.97706
##	1.085	9071	1	0.97371	0.001658	0.970465	0.97696
##	1.085	9070	1	0.97360	0.001661	0.970351	0.97686
##	1.085	9068	1	0.97349	0.001664	0.970237	0.97676
##	1.085	9067	3	0.97317	0.001674	0.969896	0.97646
##	1.085	9064	3	0.97285	0.001684	0.969555	0.97615
##	1.085	9061	1	0.97274	0.001687	0.969441	0.97605
##	1.087	9060	1	0.97263	0.001690	0.969327	0.97595
##	1.090	9059	2	0.97242	0.001697	0.969100	0.97575

##	1.090	9057	1	0.97231	0.001700	0.968987	0.97565
##	1.091	9056	1	0.97220	0.001703	0.968873	0.97555
##	1.095	9055	1	0.97210	0.001706	0.968759	0.97545
##	1.101	9054	2	0.97188	0.001712	0.968532	0.97525
##	1.101	9052	7	0.97113	0.001735	0.967737	0.97454
##	1.101	9045	8	0.97027	0.001759	0.966830	0.97373
##	1.101	9037	17	0.96845	0.001811	0.964904	0.97200
##	1.101	9020	13	0.96705	0.001849	0.963434	0.97068
##	1.101	9007	2	0.96684	0.001855	0.963208	0.97048
##	1.102	9005	2	0.96662	0.001861	0.962982	0.97028
##	1.102	9003	1	0.96651	0.001864	0.962869	0.97017
##	1.102	9002	2	0.96630	0.001870	0.962643	0.96997
##	1.102	9000	1	0.96619	0.001872	0.962530	0.96987
##	1.103	8999	1	0.96609	0.001875	0.962417	0.96977
##	1.103	8998	1	0.96598	0.001878	0.962304	0.96967
##	1.103	8997	1	0.96587	0.001881	0.962191	0.96956
##	1.104	8996	1	0.96576	0.001884	0.962078	0.96946
##	1.104	8995	1	0.96566	0.001887	0.961965	0.96936
##	1.104	8994	1	0.96555	0.001890	0.961852	0.96926
##	1.105	8993	1	0.96544	0.001892	0.961739	0.96916
##	1.106	8992	1	0.96533	0.001895	0.961626	0.96906
##	1.111	8991	1	0.96523	0.001898	0.961513	0.96895
##	1.114	8990	1	0.96512	0.001901	0.961400	0.96885
##	1.117	8989	1	0.96501	0.001904	0.961287	0.96875
##	1.118	8988	6	0.96437	0.001920	0.960610	0.96814
##	1.118	8982	7	0.96362	0.001940	0.959821	0.96743
##	1.118	8975	10	0.96254	0.001967	0.958694	0.96641
##	1.118	8965	4	0.96211	0.001978	0.958243	0.96600
##	1.118	8961	4	0.96168	0.001989	0.957793	0.96559
##	1.118	8957	4	0.96125	0.001999	0.957343	0.96518
##	1.118	8953	1	0.96115	0.002002	0.957230	0.96508
##	1.118	8952	1	0.96104	0.002005	0.957118	0.96498
##	1.119	8951	3	0.96072	0.002013	0.956780	0.96467
##	1.119	8946	3	0.96039	0.002021	0.956442	0.96436
##	1.119	8943	1	0.96029	0.002023	0.956330	0.96426
##	1.119	8942	1	0.96018	0.002026	0.956217	0.96416
##	1.119	8941	1	0.96007	0.002028	0.956105	0.96406
##	1.120	8940	2	0.95986	0.002034	0.955880	0.96385
##	1.121	8938	1	0.95975	0.002036	0.955767	0.96375
##	1.121	8937	2	0.95954	0.002041	0.955543	0.96354
##	1.122	8935	1	0.95943	0.002044	0.955430	0.96344
##	1.122	8934	1	0.95932	0.002047	0.955318	0.96334
##	1.123	8933	1	0.95921	0.002049	0.955205	0.96324
##	1.123	8932	1	0.95911	0.002052	0.955093	0.96314
##	1.125	8931	1	0.95900	0.002054	0.954980	0.96303
##	1.134	8930	3	0.95868	0.002062	0.954643	0.96273
##	1.134	8926	2	0.95846	0.002067	0.954418	0.96252
##	1.134	8924	10	0.95739	0.002093	0.953295	0.96150
##	1.135	8914	14	0.95588	0.002128	0.951723	0.96006
##	1.135	8900	9	0.95492	0.002150	0.950713	0.95914
##	1.135	8891	3	0.95459	0.002157	0.950377	0.95883
##	1.135	8888	3	0.95427	0.002164	0.950040	0.95852
##	1.135	8885	1	0.95417	0.002167	0.949928	0.95842
##	1.135	8884	1	0.95406	0.002169	0.949816	0.95832

##	1.135	8883	1	0.95395	0.002172	0.949704	0.95822
##	1.135	8882	2	0.95374	0.002176	0.949480	0.95801
##	1.135	8880	1	0.95363	0.002179	0.949368	0.95791
##	1.135	8879	2	0.95341	0.002184	0.949143	0.95770
##	1.136	8877	1	0.95331	0.002186	0.949031	0.95760
##	1.136	8876	2	0.95309	0.002191	0.948807	0.95739
##	1.136	8874	1	0.95298	0.002193	0.948695	0.95729
##	1.136	8873	1	0.95288	0.002195	0.948583	0.95719
##	1.136	8872	1	0.95277	0.002198	0.948471	0.95709
##	1.137	8871	1	0.95266	0.002200	0.948359	0.95698
##	1.137	8870	1	0.95255	0.002203	0.948247	0.95688
##	1.140	8868	1	0.95245	0.002205	0.948135	0.95678
##	1.140	8867	1	0.95234	0.002207	0.948023	0.95668
##	1.140	8866	1	0.95223	0.002210	0.947911	0.95657
##	1.143	8865	1	0.95212	0.002212	0.947799	0.95647
##	1.151	8864	1	0.95202	0.002214	0.947687	0.95637
##	1.151	8863	2	0.95180	0.002219	0.947463	0.95616
##	1.151	8861	1	0.95169	0.002221	0.947351	0.95606
##	1.151	8860	5	0.95116	0.002233	0.946791	0.95554
##	1.151	8855	5	0.95062	0.002245	0.946231	0.95503
##	1.151	8850	17	0.94879	0.002284	0.944329	0.95328
##	1.151	8833	10	0.94772	0.002306	0.943211	0.95225
##	1.151	8823	10	0.94665	0.002329	0.942094	0.95122
##	1.151	8813	6	0.94600	0.002342	0.941423	0.95060
##	1.151	8807	5	0.94546	0.002353	0.940865	0.95009
##	1.152	8802	1	0.94536	0.002355	0.940753	0.94998
##	1.152	8801	1	0.94525	0.002357	0.940642	0.94988
##	1.152	8800	3	0.94493	0.002364	0.940307	0.94957
##	1.152	8797	2	0.94471	0.002368	0.940083	0.94937
##	1.152	8795	4	0.94428	0.002377	0.939637	0.94895
##	1.152	8791	4	0.94385	0.002385	0.939190	0.94854
##	1.153	8787	1	0.94375	0.002387	0.939079	0.94844
##	1.153	8786	1	0.94364	0.002389	0.938967	0.94833
##	1.154	8785	1	0.94353	0.002392	0.938856	0.94823
##	1.155	8784	1	0.94342	0.002394	0.938744	0.94813
##	1.155	8783	1	0.94332	0.002396	0.938632	0.94802
##	1.155	8782	2	0.94310	0.002400	0.938409	0.94782
##	1.156	8780	1	0.94299	0.002402	0.938298	0.94771
##	1.156	8779	1	0.94289	0.002404	0.938186	0.94761
##	1.157	8778	1	0.94278	0.002407	0.938075	0.94751
##	1.159	8777	1	0.94267	0.002409	0.937963	0.94740
##	1.160	8776	1	0.94256	0.002411	0.937851	0.94730
##	1.161	8775	1	0.94246	0.002413	0.937740	0.94720
##	1.167	8774	3	0.94214	0.002419	0.937405	0.94689
##	1.168	8771	5	0.94160	0.002430	0.936848	0.94637
##	1.168	8766	13	0.94020	0.002457	0.935399	0.94503
##	1.168	8752	11	0.93902	0.002479	0.934173	0.94389
##	1.168	8741	13	0.93762	0.002506	0.932725	0.94255
##	1.168	8728	5	0.93709	0.002516	0.932168	0.94203
##	1.168	8723	3	0.93676	0.002522	0.931834	0.94172
##	1.168	8720	1	0.93666	0.002524	0.931723	0.94162
##	1.169	8719	3	0.93633	0.002530	0.931389	0.94131
##	1.169	8716	2	0.93612	0.002534	0.931166	0.94110
##	1.169	8714	3	0.93580	0.002540	0.930832	0.94079

##	1.169	8711	2	0.93558	0.002544	0.930610	0.94058
##	1.169	8709	6	0.93494	0.002556	0.929942	0.93996
##	1.169	8703	3	0.93462	0.002561	0.929608	0.93965
##	1.169	8700	1	0.93451	0.002563	0.929497	0.93955
##	1.170	8699	1	0.93440	0.002565	0.929386	0.93944
##	1.170	8698	1	0.93429	0.002567	0.929275	0.93934
##	1.170	8697	1	0.93419	0.002569	0.929164	0.93923
##	1.170	8696	1	0.93408	0.002571	0.929052	0.93913
##	1.170	8695	1	0.93397	0.002573	0.928941	0.93903
##	1.170	8694	1	0.93386	0.002575	0.928830	0.93892
##	1.171	8693	1	0.93376	0.002577	0.928719	0.93882
##	1.172	8692	1	0.93365	0.002579	0.928607	0.93872
##	1.172	8691	1	0.93354	0.002581	0.928496	0.93861
##	1.173	8690	1	0.93343	0.002583	0.928385	0.93851
##	1.174	8689	1	0.93333	0.002585	0.928274	0.93841
##	1.176	8688	1	0.93322	0.002587	0.928163	0.93830
##	1.180	8687	1	0.93311	0.002589	0.928051	0.93820
##	1.184	8686	1	0.93300	0.002591	0.927940	0.93810
##	1.184	8685	4	0.93257	0.002598	0.927496	0.93768
##	1.184	8681	3	0.93225	0.002604	0.927162	0.93737
##	1.184	8678	9	0.93129	0.002621	0.926162	0.93644
##	1.185	8669	20	0.92914	0.002659	0.923940	0.93436
##	1.185	8649	10	0.92806	0.002677	0.922830	0.93332
##	1.185	8638	3	0.92774	0.002683	0.922496	0.93301
##	1.185	8635	3	0.92742	0.002688	0.922163	0.93270
##	1.185	8632	1	0.92731	0.002690	0.922052	0.93260
##	1.185	8630	3	0.92699	0.002696	0.921719	0.93229
##	1.185	8627	2	0.92677	0.002699	0.921497	0.93208
##	1.185	8625	1	0.92667	0.002701	0.921386	0.93198
##	1.185	8624	2	0.92645	0.002705	0.921164	0.93177
##	1.185	8622	1	0.92634	0.002707	0.921053	0.93166
##	1.186	8621	2	0.92613	0.002710	0.920831	0.93146
##	1.186	8619	1	0.92602	0.002712	0.920720	0.93135
##	1.187	8618	1	0.92591	0.002714	0.920609	0.93125
##	1.187	8617	1	0.92581	0.002716	0.920498	0.93114
##	1.188	8616	1	0.92570	0.002718	0.920387	0.93104
##	1.188	8615	1	0.92559	0.002719	0.920276	0.93094
##	1.189	8614	1	0.92548	0.002721	0.920165	0.93083
##	1.190	8613	2	0.92527	0.002725	0.919944	0.93062
##	1.190	8611	1	0.92516	0.002727	0.919833	0.93052
##	1.192	8610	1	0.92505	0.002728	0.919722	0.93042
##	1.192	8609	1	0.92495	0.002730	0.919611	0.93031
##	1.192	8608	1	0.92484	0.002732	0.919500	0.93021
##	1.193	8607	1	0.92473	0.002734	0.919389	0.93011
##	1.194	8606	1	0.92462	0.002736	0.919278	0.93000
##	1.201	8605	2	0.92441	0.002739	0.919056	0.92979
##	1.201	8603	11	0.92323	0.002759	0.917836	0.92865
##	1.201	8592	14	0.92172	0.002783	0.916283	0.92719
##	1.201	8578	11	0.92054	0.002803	0.915064	0.92605
##	1.201	8566	19	0.91850	0.002835	0.912959	0.92407
##	1.201	8546	5	0.91796	0.002844	0.912405	0.92355
##	1.202	8541	4	0.91753	0.002851	0.911962	0.92314
##	1.202	8537	2	0.91732	0.002854	0.911740	0.92293
##	1.202	8535	1	0.91721	0.002856	0.911629	0.92282

##	1.202	8534	1	0.91710	0.002857	0.911519	0.92272
##	1.202	8533	1	0.91699	0.002859	0.911408	0.92261
##	1.202	8532	1	0.91689	0.002861	0.911297	0.92251
##	1.203	8531	1	0.91678	0.002862	0.911186	0.92241
##	1.203	8530	1	0.91667	0.002864	0.911076	0.92230
##	1.204	8529	3	0.91635	0.002869	0.910743	0.92199
##	1.204	8526	1	0.91624	0.002871	0.910633	0.92189
##	1.204	8525	1	0.91613	0.002872	0.910522	0.92178
##	1.205	8524	3	0.91581	0.002877	0.910190	0.92147
##	1.206	8520	2	0.91560	0.002881	0.909968	0.92126
##	1.207	8518	1	0.91549	0.002882	0.909858	0.92116
##	1.208	8517	1	0.91538	0.002884	0.909747	0.92105
##	1.209	8516	1	0.91527	0.002886	0.909636	0.92095
##	1.211	8515	1	0.91517	0.002887	0.909525	0.92084
##	1.213	8514	1	0.91506	0.002889	0.909415	0.92074
##	1.217	8513	1	0.91495	0.002891	0.909304	0.92064
##	1.218	8512	1	0.91484	0.002892	0.909193	0.92053
##	1.218	8511	9	0.91388	0.002907	0.908197	0.91959
##	1.218	8502	9	0.91291	0.002922	0.907201	0.91865
##	1.218	8493	15	0.91130	0.002946	0.905541	0.91709
##	1.218	8478	20	0.90915	0.002978	0.903329	0.91500
##	1.218	8457	10	0.90807	0.002994	0.902223	0.91396
##	1.218	8447	2	0.90786	0.002997	0.902002	0.91375
##	1.218	8445	2	0.90764	0.003000	0.901781	0.91354
##	1.218	8443	2	0.90743	0.003004	0.901560	0.91333
##	1.218	8441	4	0.90700	0.003010	0.901118	0.91292
##	1.219	8437	5	0.90646	0.003018	0.900565	0.91239
##	1.219	8432	1	0.90635	0.003019	0.900454	0.91229
##	1.219	8431	3	0.90603	0.003024	0.900123	0.91198
##	1.219	8428	1	0.90592	0.003025	0.900012	0.91187
##	1.219	8427	3	0.90560	0.003030	0.899681	0.91156
##	1.219	8424	2	0.90539	0.003033	0.899460	0.91135
##	1.220	8422	1	0.90528	0.003035	0.899349	0.91125
##	1.220	8421	1	0.90517	0.003036	0.899239	0.91114
##	1.220	8420	1	0.90506	0.003038	0.899128	0.91104
##	1.221	8419	1	0.90496	0.003039	0.899018	0.91093
##	1.221	8418	1	0.90485	0.003041	0.898907	0.91083
##	1.222	8417	1	0.90474	0.003042	0.898797	0.91072
##	1.224	8416	1	0.90463	0.003044	0.898686	0.91062
##	1.225	8415	1	0.90453	0.003045	0.898576	0.91051
##	1.227	8414	1	0.90442	0.003047	0.898465	0.91041
##	1.234	8413	1	0.90431	0.003049	0.898355	0.91030
##	1.234	8412	6	0.90367	0.003058	0.897692	0.90968
##	1.234	8406	9	0.90270	0.003071	0.896698	0.90874
##	1.234	8397	14	0.90119	0.003093	0.895152	0.90727
##	1.235	8382	12	0.89990	0.003110	0.893827	0.90602
##	1.235	8370	6	0.89926	0.003119	0.893164	0.90539
##	1.235	8364	5	0.89872	0.003127	0.892612	0.90487
##	1.235	8359	1	0.89861	0.003128	0.892502	0.90476
##	1.235	8358	3	0.89829	0.003133	0.892171	0.90445
##	1.235	8355	2	0.89807	0.003136	0.891950	0.90424
##	1.235	8353	5	0.89754	0.003143	0.891398	0.90372
##	1.235	8348	3	0.89721	0.003147	0.891067	0.90340
##	1.235	8345	1	0.89711	0.003149	0.890957	0.90330

##	1.236	8344	1	0.89700	0.003150	0.890846	0.90319
##	1.236	8343	1	0.89689	0.003152	0.890736	0.90309
##	1.236	8342	1	0.89678	0.003153	0.890626	0.90299
##	1.236	8341	1	0.89668	0.003155	0.890515	0.90288
##	1.236	8340	1	0.89657	0.003156	0.890405	0.90278
##	1.236	8339	1	0.89646	0.003157	0.890295	0.90267
##	1.237	8338	1	0.89635	0.003159	0.890184	0.90257
##	1.237	8337	1	0.89625	0.003160	0.890074	0.90246
##	1.237	8336	2	0.89603	0.003163	0.889853	0.90225
##	1.237	8334	1	0.89592	0.003165	0.889743	0.90215
##	1.237	8333	1	0.89582	0.003166	0.889633	0.90204
##	1.238	8332	2	0.89560	0.003169	0.889412	0.90183
##	1.238	8330	1	0.89549	0.003170	0.889302	0.90173
##	1.239	8329	1	0.89539	0.003172	0.889191	0.90163
##	1.242	8328	2	0.89517	0.003175	0.888971	0.90142
##	1.244	8326	1	0.89506	0.003176	0.888860	0.90131
##	1.251	8325	3	0.89474	0.003181	0.888530	0.90100
##	1.251	8321	2	0.89453	0.003183	0.888309	0.90079
##	1.251	8319	9	0.89356	0.003196	0.887316	0.89985
##	1.251	8310	13	0.89216	0.003215	0.885882	0.89848
##	1.251	8297	11	0.89098	0.003230	0.884670	0.89733
##	1.251	8285	4	0.89055	0.003236	0.884229	0.89691
##	1.252	8281	2	0.89033	0.003239	0.884008	0.89670
##	1.252	8278	4	0.88990	0.003244	0.883567	0.89628
##	1.252	8274	1	0.88980	0.003246	0.883457	0.89618
##	1.252	8273	1	0.88969	0.003247	0.883346	0.89607
##	1.252	8272	7	0.88893	0.003257	0.882575	0.89534
##	1.252	8265	1	0.88883	0.003258	0.882464	0.89524
##	1.252	8264	2	0.88861	0.003261	0.882244	0.89503
##	1.252	8262	2	0.88840	0.003263	0.882024	0.89482
##	1.252	8260	1	0.88829	0.003265	0.881913	0.89471
##	1.253	8259	1	0.88818	0.003266	0.881803	0.89461
##	1.253	8258	1	0.88807	0.003268	0.881693	0.89450
##	1.253	8257	4	0.88764	0.003273	0.881252	0.89408
##	1.254	8253	2	0.88743	0.003276	0.881032	0.89387
##	1.254	8251	1	0.88732	0.003277	0.880921	0.89377
##	1.254	8250	3	0.88700	0.003281	0.880591	0.89345
##	1.254	8247	1	0.88689	0.003283	0.880480	0.89335
##	1.255	8246	2	0.88668	0.003285	0.880260	0.89314
##	1.255	8244	2	0.88646	0.003288	0.880040	0.89293
##	1.255	8242	1	0.88635	0.003289	0.879929	0.89282
##	1.255	8241	2	0.88614	0.003292	0.879709	0.89261
##	1.256	8239	2	0.88592	0.003295	0.879489	0.89240
##	1.256	8237	1	0.88582	0.003296	0.879379	0.89230
##	1.257	8236	1	0.88571	0.003298	0.879268	0.89219
##	1.257	8235	1	0.88560	0.003299	0.879158	0.89209
##	1.258	8234	1	0.88549	0.003300	0.879048	0.89199
##	1.258	8233	2	0.88528	0.003303	0.878828	0.89178
##	1.258	8231	1	0.88517	0.003304	0.878717	0.89167
##	1.259	8230	1	0.88506	0.003306	0.878607	0.89157
##	1.259	8229	1	0.88496	0.003307	0.878497	0.89146
##	1.260	8228	1	0.88485	0.003308	0.878387	0.89136
##	1.268	8227	2	0.88463	0.003311	0.878167	0.89115
##	1.268	8225	5	0.88409	0.003318	0.877616	0.89062

##	1.268	8220	8	0.88323	0.003329	0.876735	0.88978
##	1.268	8212	8	0.88237	0.003339	0.875853	0.88894
##	1.268	8204	14	0.88087	0.003358	0.874312	0.88747
##	1.268	8190	11	0.87969	0.003372	0.873101	0.88632
##	1.268	8179	7	0.87893	0.003381	0.872330	0.88558
##	1.268	8172	2	0.87872	0.003384	0.872110	0.88537
##	1.268	8170	1	0.87861	0.003385	0.872000	0.88527
##	1.268	8169	1	0.87850	0.003386	0.871890	0.88516
##	1.269	8167	3	0.87818	0.003390	0.871560	0.88485
##	1.269	8164	2	0.87796	0.003393	0.871340	0.88464
##	1.269	8162	3	0.87764	0.003397	0.871009	0.88432
##	1.269	8159	2	0.87743	0.003399	0.870789	0.88411
##	1.269	8157	1	0.87732	0.003400	0.870679	0.88401
##	1.269	8156	1	0.87721	0.003402	0.870569	0.88390
##	1.269	8155	1	0.87710	0.003403	0.870459	0.88380
##	1.270	8154	1	0.87700	0.003404	0.870349	0.88369
##	1.270	8153	1	0.87689	0.003406	0.870239	0.88359
##	1.270	8152	1	0.87678	0.003407	0.870129	0.88348
##	1.270	8150	1	0.87667	0.003408	0.870019	0.88338
##	1.270	8149	1	0.87657	0.003409	0.869909	0.88327
##	1.270	8148	2	0.87635	0.003412	0.869689	0.88306
##	1.271	8146	1	0.87624	0.003413	0.869579	0.88296
##	1.271	8145	2	0.87603	0.003416	0.869358	0.88275
##	1.272	8143	1	0.87592	0.003417	0.869248	0.88264
##	1.272	8142	3	0.87560	0.003421	0.868918	0.88233
##	1.272	8139	1	0.87549	0.003422	0.868808	0.88222
##	1.273	8138	1	0.87538	0.003423	0.868698	0.88212
##	1.274	8137	1	0.87527	0.003425	0.868588	0.88201
##	1.274	8136	1	0.87517	0.003426	0.868478	0.88191
##	1.274	8135	2	0.87495	0.003429	0.868258	0.88170
##	1.275	8133	2	0.87474	0.003431	0.868038	0.88149
##	1.275	8131	1	0.87463	0.003432	0.867928	0.88138
##	1.277	8130	1	0.87452	0.003434	0.867818	0.88128
##	1.277	8129	1	0.87441	0.003435	0.867708	0.88117
##	1.278	8128	1	0.87431	0.003436	0.867598	0.88107
##	1.284	8127	1	0.87420	0.003437	0.867488	0.88096
##	1.284	8126	1	0.87409	0.003439	0.867378	0.88086
##	1.284	8125	5	0.87355	0.003445	0.866828	0.88033
##	1.284	8120	10	0.87248	0.003457	0.865727	0.87928
##	1.284	8110	11	0.87129	0.003471	0.864518	0.87812
##	1.285	8099	16	0.86957	0.003491	0.862758	0.87644
##	1.285	8083	17	0.86774	0.003512	0.860889	0.87465
##	1.285	8066	4	0.86731	0.003516	0.860449	0.87423
##	1.285	8062	7	0.86656	0.003525	0.859680	0.87350
##	1.285	8055	1	0.86645	0.003526	0.859570	0.87339
##	1.285	8054	2	0.86624	0.003528	0.859350	0.87318
##	1.285	8052	3	0.86592	0.003532	0.859020	0.87287
##	1.285	8049	4	0.86548	0.003537	0.858581	0.87244
##	1.285	8045	1	0.86538	0.003538	0.858471	0.87234
##	1.286	8044	3	0.86505	0.003542	0.858141	0.87202
##	1.286	8041	2	0.86484	0.003544	0.857921	0.87181
##	1.286	8039	2	0.86462	0.003546	0.857701	0.87160
##	1.288	8037	1	0.86452	0.003548	0.857591	0.87150
##	1.289	8036	1	0.86441	0.003549	0.857482	0.87139

##	1.290	8035	1	0.86430	0.003550	0.857372	0.87129
##	1.290	8034	1	0.86419	0.003551	0.857262	0.87118
##	1.291	8033	1	0.86409	0.003552	0.857152	0.87108
##	1.291	8032	1	0.86398	0.003554	0.857042	0.87097
##	1.292	8031	1	0.86387	0.003555	0.856932	0.87087
##	1.293	8030	1	0.86376	0.003556	0.856822	0.87076
##	1.294	8029	1	0.86366	0.003557	0.856712	0.87066
##	1.294	8028	1	0.86355	0.003558	0.856602	0.87055
##	1.301	8027	2	0.86333	0.003561	0.856383	0.87034
##	1.301	8025	5	0.86280	0.003567	0.855833	0.86981
##	1.301	8020	10	0.86172	0.003578	0.854735	0.86876
##	1.301	8010	18	0.85978	0.003599	0.852758	0.86687
##	1.301	7992	13	0.85838	0.003614	0.851330	0.86550
##	1.301	7979	10	0.85731	0.003626	0.850232	0.86444
##	1.302	7969	3	0.85699	0.003629	0.849903	0.86413
##	1.302	7966	5	0.85645	0.003635	0.849354	0.86360
##	1.302	7961	2	0.85623	0.003637	0.849134	0.86339
##	1.302	7959	2	0.85602	0.003639	0.848915	0.86318
##	1.302	7957	3	0.85570	0.003643	0.848585	0.86286
##	1.302	7954	4	0.85526	0.003647	0.848146	0.86244
##	1.302	7950	5	0.85473	0.003653	0.847597	0.86192
##	1.302	7945	4	0.85430	0.003657	0.847158	0.86149
##	1.302	7941	2	0.85408	0.003660	0.846939	0.86128
##	1.302	7939	1	0.85397	0.003661	0.846829	0.86118
##	1.303	7938	1	0.85387	0.003662	0.846719	0.86107
##	1.303	7937	1	0.85376	0.003663	0.846610	0.86097
##	1.303	7936	1	0.85365	0.003664	0.846500	0.86086
##	1.304	7935	1	0.85354	0.003665	0.846390	0.86076
##	1.304	7934	2	0.85333	0.003667	0.846171	0.86055
##	1.304	7932	1	0.85322	0.003668	0.846061	0.86044
##	1.306	7930	2	0.85301	0.003671	0.845841	0.86023
##	1.306	7928	1	0.85290	0.003672	0.845732	0.86013
##	1.306	7927	1	0.85279	0.003673	0.845622	0.86002
##	1.306	7926	1	0.85268	0.003674	0.845512	0.85991
##	1.307	7925	1	0.85258	0.003675	0.845402	0.85981
##	1.308	7924	1	0.85247	0.003676	0.845293	0.85970
##	1.308	7923	1	0.85236	0.003677	0.845183	0.85960
##	1.308	7922	1	0.85225	0.003678	0.845073	0.85949
##	1.309	7921	1	0.85214	0.003680	0.844963	0.85939
##	1.310	7920	1	0.85204	0.003681	0.844854	0.85928
##	1.318	7919	3	0.85171	0.003684	0.844524	0.85897
##	1.318	7916	6	0.85107	0.003691	0.843866	0.85833
##	1.318	7910	8	0.85021	0.003699	0.842988	0.85749
##	1.318	7902	11	0.84902	0.003711	0.841781	0.85633
##	1.318	7890	13	0.84763	0.003726	0.840355	0.85496
##	1.318	7875	10	0.84655	0.003736	0.839258	0.85390
##	1.318	7865	2	0.84633	0.003739	0.839038	0.85369
##	1.318	7863	4	0.84590	0.003743	0.838599	0.85327
##	1.318	7859	1	0.84580	0.003744	0.838490	0.85317
##	1.319	7858	4	0.84537	0.003748	0.838051	0.85274
##	1.319	7854	2	0.84515	0.003750	0.837831	0.85253
##	1.319	7852	3	0.84483	0.003753	0.837502	0.85222
##	1.319	7849	1	0.84472	0.003755	0.837393	0.85211
##	1.319	7848	1	0.84461	0.003756	0.837283	0.85200

##	1.319	7847	2	0.84440	0.003758	0.837064	0.85179
##	1.320	7845	1	0.84429	0.003759	0.836954	0.85169
##	1.320	7844	1	0.84418	0.003760	0.836844	0.85158
##	1.320	7843	2	0.84397	0.003762	0.836625	0.85137
##	1.320	7841	1	0.84386	0.003763	0.836515	0.85127
##	1.320	7840	1	0.84375	0.003764	0.836405	0.85116
##	1.321	7839	1	0.84364	0.003765	0.836296	0.85106
##	1.321	7838	1	0.84354	0.003766	0.836186	0.85095
##	1.321	7837	3	0.84321	0.003769	0.835857	0.85063
##	1.321	7834	2	0.84300	0.003772	0.835638	0.85042
##	1.321	7832	1	0.84289	0.003773	0.835528	0.85032
##	1.323	7831	2	0.84267	0.003775	0.835309	0.85011
##	1.323	7829	1	0.84257	0.003776	0.835199	0.85000
##	1.323	7828	1	0.84246	0.003777	0.835089	0.84989
##	1.324	7827	1	0.84235	0.003778	0.834980	0.84979
##	1.325	7826	1	0.84224	0.003779	0.834870	0.84968
##	1.326	7825	1	0.84214	0.003780	0.834760	0.84958
##	1.334	7823	1	0.84203	0.003781	0.834651	0.84947
##	1.334	7822	8	0.84117	0.003789	0.833773	0.84863
##	1.335	7814	3	0.84084	0.003792	0.833444	0.84831
##	1.335	7811	13	0.83945	0.003806	0.832019	0.84694
##	1.335	7797	12	0.83815	0.003818	0.830703	0.84567
##	1.335	7785	4	0.83772	0.003822	0.830264	0.84525
##	1.335	7781	3	0.83740	0.003826	0.829935	0.84493
##	1.335	7778	3	0.83708	0.003829	0.829606	0.84461
##	1.335	7775	1	0.83697	0.003830	0.829496	0.84451
##	1.335	7774	1	0.83686	0.003831	0.829387	0.84440
##	1.335	7772	2	0.83665	0.003833	0.829168	0.84419
##	1.335	7770	4	0.83622	0.003837	0.828729	0.84377
##	1.335	7766	1	0.83611	0.003838	0.828619	0.84366
##	1.336	7765	1	0.83600	0.003839	0.828510	0.84356
##	1.336	7764	1	0.83589	0.003840	0.828400	0.84345
##	1.336	7763	1	0.83578	0.003841	0.828290	0.84335
##	1.336	7762	1	0.83568	0.003842	0.828181	0.84324
##	1.337	7761	2	0.83546	0.003844	0.827961	0.84303
##	1.337	7759	2	0.83525	0.003846	0.827742	0.84282
##	1.337	7757	1	0.83514	0.003847	0.827633	0.84271
##	1.337	7756	1	0.83503	0.003848	0.827523	0.84261
##	1.338	7754	1	0.83492	0.003849	0.827413	0.84250
##	1.338	7753	1	0.83482	0.003850	0.827304	0.84240
##	1.338	7752	1	0.83471	0.003851	0.827194	0.84229
##	1.338	7751	2	0.83449	0.003853	0.826975	0.84208
##	1.339	7749	1	0.83438	0.003854	0.826865	0.84197
##	1.339	7747	1	0.83428	0.003855	0.826755	0.84187
##	1.339	7746	1	0.83417	0.003856	0.826646	0.84176
##	1.339	7745	1	0.83406	0.003857	0.826536	0.84166
##	1.340	7744	1	0.83395	0.003858	0.826426	0.84155
##	1.340	7743	1	0.83385	0.003859	0.826317	0.84144
##	1.340	7742	1	0.83374	0.003860	0.826207	0.84134
##	1.341	7741	1	0.83363	0.003861	0.826097	0.84123
##	1.341	7740	1	0.83352	0.003862	0.825988	0.84113
##	1.342	7739	1	0.83342	0.003863	0.825878	0.84102
##	1.351	7738	1	0.83331	0.003864	0.825768	0.84092
##	1.351	7737	2	0.83309	0.003866	0.825549	0.84070

##	1.351	7735	2	0.83288	0.003868	0.825330	0.84049
##	1.351	7733	2	0.83266	0.003870	0.825111	0.84028
##	1.351	7731	8	0.83180	0.003878	0.824234	0.83944
##	1.351	7723	4	0.83137	0.003882	0.823795	0.83901
##	1.351	7719	12	0.83008	0.003894	0.822480	0.83774
##	1.351	7706	8	0.82921	0.003902	0.821603	0.83690
##	1.351	7698	6	0.82857	0.003908	0.820945	0.83626
##	1.352	7692	3	0.82825	0.003910	0.820616	0.83595
##	1.352	7689	7	0.82749	0.003917	0.819849	0.83520
##	1.352	7682	1	0.82738	0.003918	0.819739	0.83510
##	1.352	7681	2	0.82717	0.003920	0.819520	0.83489
##	1.352	7679	6	0.82652	0.003926	0.818863	0.83425
##	1.352	7673	1	0.82641	0.003927	0.818753	0.83415
##	1.353	7671	1	0.82631	0.003928	0.818643	0.83404
##	1.353	7670	1	0.82620	0.003929	0.818534	0.83393
##	1.353	7669	1	0.82609	0.003930	0.818424	0.83383
##	1.353	7668	1	0.82598	0.003931	0.818315	0.83372
##	1.354	7667	1	0.82588	0.003932	0.818205	0.83362
##	1.354	7666	1	0.82577	0.003933	0.818095	0.83351
##	1.354	7665	1	0.82566	0.003934	0.817986	0.83341
##	1.355	7664	1	0.82555	0.003935	0.817876	0.83330
##	1.355	7663	1	0.82544	0.003936	0.817767	0.83319
##	1.355	7662	1	0.82534	0.003937	0.817657	0.83309
##	1.355	7661	1	0.82523	0.003938	0.817547	0.83298
##	1.356	7660	1	0.82512	0.003938	0.817438	0.83288
##	1.356	7659	1	0.82501	0.003939	0.817328	0.83277
##	1.356	7658	1	0.82491	0.003940	0.817219	0.83266
##	1.357	7657	1	0.82480	0.003941	0.817109	0.83256
##	1.357	7656	1	0.82469	0.003942	0.816999	0.83245
##	1.357	7655	2	0.82447	0.003944	0.816780	0.83224
##	1.357	7653	1	0.82437	0.003945	0.816671	0.83214
##	1.357	7652	2	0.82415	0.003947	0.816452	0.83192
##	1.358	7650	1	0.82404	0.003948	0.816342	0.83182
##	1.358	7649	1	0.82394	0.003949	0.816232	0.83171
##	1.358	7648	1	0.82383	0.003950	0.816123	0.83161
##	1.359	7647	1	0.82372	0.003951	0.816013	0.83150
##	1.360	7646	1	0.82361	0.003952	0.815904	0.83139
##	1.362	7645	1	0.82351	0.003953	0.815794	0.83129
##	1.367	7644	1	0.82340	0.003954	0.815685	0.83118
##	1.367	7643	1	0.82329	0.003955	0.815575	0.83108
##	1.368	7642	3	0.82297	0.003958	0.815246	0.83076
##	1.368	7639	6	0.82232	0.003963	0.814589	0.83012
##	1.368	7633	5	0.82178	0.003968	0.814041	0.82960
##	1.368	7628	6	0.82114	0.003974	0.813384	0.82896
##	1.368	7622	18	0.81920	0.003990	0.811412	0.82705
##	1.368	7604	10	0.81812	0.004000	0.810317	0.82600
##	1.368	7594	4	0.81769	0.004003	0.809879	0.82557
##	1.368	7590	3	0.81736	0.004006	0.809550	0.82525
##	1.368	7587	2	0.81715	0.004008	0.809331	0.82504
##	1.369	7584	1	0.81704	0.004009	0.809222	0.82494
##	1.369	7583	4	0.81661	0.004013	0.808783	0.82451
##	1.369	7578	3	0.81629	0.004015	0.808455	0.82419
##	1.369	7573	2	0.81607	0.004017	0.808236	0.82398
##	1.369	7571	3	0.81575	0.004020	0.807907	0.82367

##	1.369	7568	2	0.81553	0.004022	0.807688	0.82345
##	1.369	7566	4	0.81510	0.004025	0.807250	0.82303
##	1.369	7562	2	0.81489	0.004027	0.807031	0.82282
##	1.369	7560	1	0.81478	0.004028	0.806921	0.82271
##	1.369	7559	1	0.81467	0.004029	0.806812	0.82261
##	1.370	7558	1	0.81456	0.004030	0.806702	0.82250
##	1.370	7556	2	0.81435	0.004032	0.806483	0.82229
##	1.370	7554	1	0.81424	0.004033	0.806373	0.82218
##	1.370	7553	1	0.81413	0.004034	0.806264	0.82208
##	1.370	7552	1	0.81402	0.004034	0.806154	0.82197
##	1.371	7551	1	0.81392	0.004035	0.806045	0.82186
##	1.371	7550	2	0.81370	0.004037	0.805826	0.82165
##	1.371	7548	1	0.81359	0.004038	0.805716	0.82155
##	1.371	7547	1	0.81348	0.004039	0.805606	0.82144
##	1.371	7546	1	0.81338	0.004040	0.805497	0.82133
##	1.371	7545	2	0.81316	0.004042	0.805278	0.82112
##	1.372	7543	1	0.81305	0.004043	0.805168	0.82102
##	1.372	7542	1	0.81295	0.004043	0.805059	0.82091
##	1.372	7541	1	0.81284	0.004044	0.804949	0.82080
##	1.373	7540	1	0.81273	0.004045	0.804840	0.82070
##	1.373	7539	1	0.81262	0.004046	0.804730	0.82059
##	1.373	7538	1	0.81251	0.004047	0.804620	0.82049
##	1.373	7537	1	0.81241	0.004048	0.804511	0.82038
##	1.373	7536	1	0.81230	0.004049	0.804401	0.82027
##	1.374	7535	1	0.81219	0.004050	0.804292	0.82017
##	1.374	7534	1	0.81208	0.004051	0.804182	0.82006
##	1.375	7533	1	0.81198	0.004052	0.804073	0.81995
##	1.384	7532	1	0.81187	0.004052	0.803963	0.81985
##	1.384	7531	1	0.81176	0.004053	0.803854	0.81974
##	1.384	7530	3	0.81144	0.004056	0.803525	0.81942
##	1.384	7527	3	0.81111	0.004059	0.803197	0.81911
##	1.385	7524	7	0.81036	0.004065	0.802430	0.81836
##	1.385	7517	9	0.80939	0.004073	0.801444	0.81741
##	1.385	7508	11	0.80820	0.004083	0.800240	0.81624
##	1.385	7496	8	0.80734	0.004090	0.799363	0.81539
##	1.385	7488	2	0.80712	0.004091	0.799144	0.81518
##	1.385	7486	3	0.80680	0.004094	0.798816	0.81486
##	1.385	7483	3	0.80648	0.004097	0.798487	0.81455
##	1.385	7480	1	0.80637	0.004098	0.798378	0.81444
##	1.385	7479	1	0.80626	0.004098	0.798268	0.81433
##	1.385	7478	3	0.80594	0.004101	0.797940	0.81402
##	1.386	7475	3	0.80561	0.004104	0.797611	0.81370
##	1.386	7472	1	0.80551	0.004104	0.797502	0.81359
##	1.386	7471	2	0.80529	0.004106	0.797283	0.81338
##	1.386	7469	2	0.80508	0.004108	0.797064	0.81317
##	1.386	7467	1	0.80497	0.004109	0.796954	0.81306
##	1.386	7466	1	0.80486	0.004110	0.796845	0.81295
##	1.387	7465	1	0.80475	0.004111	0.796735	0.81285
##	1.387	7464	1	0.80464	0.004111	0.796626	0.81274
##	1.387	7463	1	0.80454	0.004112	0.796516	0.81264
##	1.388	7462	1	0.80443	0.004113	0.796407	0.81253
##	1.388	7461	1	0.80432	0.004114	0.796298	0.81242
##	1.389	7460	1	0.80421	0.004115	0.796188	0.81232
##	1.389	7459	1	0.80410	0.004116	0.796079	0.81221

##	1.389	7458	2	0.80389	0.004117	0.795860	0.81200
##	1.389	7456	1	0.80378	0.004118	0.795750	0.81189
##	1.389	7455	1	0.80367	0.004119	0.795641	0.81179
##	1.389	7454	1	0.80357	0.004120	0.795531	0.81168
##	1.390	7453	1	0.80346	0.004121	0.795422	0.81158
##	1.390	7452	1	0.80335	0.004122	0.795312	0.81147
##	1.390	7451	1	0.80324	0.004123	0.795203	0.81136
##	1.390	7450	2	0.80303	0.004124	0.794984	0.81115
##	1.390	7448	1	0.80292	0.004125	0.794874	0.81104
##	1.390	7447	1	0.80281	0.004126	0.794765	0.81094
##	1.391	7446	1	0.80270	0.004127	0.794655	0.81083
##	1.393	7445	1	0.80260	0.004128	0.794546	0.81073
##	1.393	7444	1	0.80249	0.004129	0.794436	0.81062
##	1.394	7443	1	0.80238	0.004129	0.794327	0.81051
##	1.401	7442	1	0.80227	0.004130	0.794217	0.81041
##	1.401	7441	3	0.80195	0.004133	0.793889	0.81009
##	1.401	7438	3	0.80163	0.004135	0.793561	0.80977
##	1.401	7435	7	0.80087	0.004141	0.792795	0.80903
##	1.401	7428	7	0.80012	0.004147	0.792028	0.80829
##	1.401	7421	10	0.79904	0.004156	0.790934	0.80722
##	1.401	7411	3	0.79871	0.004158	0.790606	0.80691
##	1.402	7408	4	0.79828	0.004161	0.790168	0.80648
##	1.402	7404	2	0.79807	0.004163	0.789949	0.80627
##	1.402	7402	1	0.79796	0.004164	0.789840	0.80616
##	1.402	7401	1	0.79785	0.004165	0.789730	0.80606
##	1.402	7400	3	0.79753	0.004167	0.789402	0.80574
##	1.402	7396	3	0.79720	0.004170	0.789074	0.80542
##	1.402	7393	2	0.79699	0.004171	0.788855	0.80521
##	1.402	7391	1	0.79688	0.004172	0.788745	0.80510
##	1.403	7390	2	0.79667	0.004174	0.788526	0.80489
##	1.403	7388	1	0.79656	0.004175	0.788417	0.80478
##	1.403	7387	1	0.79645	0.004176	0.788308	0.80468
##	1.404	7386	1	0.79634	0.004176	0.788198	0.80457
##	1.404	7385	2	0.79613	0.004178	0.787979	0.80436
##	1.405	7383	1	0.79602	0.004179	0.787870	0.80425
##	1.405	7382	1	0.79591	0.004180	0.787760	0.80414
##	1.405	7381	1	0.79580	0.004181	0.787651	0.80404
##	1.406	7380	1	0.79569	0.004181	0.787542	0.80393
##	1.406	7379	2	0.79548	0.004183	0.787323	0.80372
##	1.406	7377	1	0.79537	0.004184	0.787213	0.80361
##	1.407	7376	1	0.79526	0.004185	0.787104	0.80351
##	1.407	7375	1	0.79516	0.004185	0.786994	0.80340
##	1.408	7374	2	0.79494	0.004187	0.786776	0.80319
##	1.408	7372	1	0.79483	0.004188	0.786666	0.80308
##	1.408	7371	2	0.79462	0.004190	0.786447	0.80287
##	1.409	7369	1	0.79451	0.004190	0.786338	0.80276
##	1.410	7368	2	0.79429	0.004192	0.786119	0.80255
##	1.410	7366	1	0.79419	0.004193	0.786010	0.80245
##	1.417	7365	2	0.79397	0.004194	0.785791	0.80223
##	1.418	7363	3	0.79365	0.004197	0.785463	0.80191
##	1.418	7360	3	0.79332	0.004199	0.785134	0.80160
##	1.418	7357	9	0.79235	0.004207	0.784150	0.80064
##	1.418	7348	12	0.79106	0.004216	0.782837	0.79937
##	1.418	7336	12	0.78976	0.004226	0.781525	0.79809

##	1.418	7324	4	0.78933	0.004229	0.781087	0.79767
##	1.418	7320	4	0.78890	0.004232	0.780650	0.79724
##	1.418	7316	3	0.78858	0.004235	0.780321	0.79692
##	1.419	7313	1	0.78847	0.004236	0.780212	0.79682
##	1.419	7312	2	0.78825	0.004237	0.779993	0.79660
##	1.419	7310	1	0.78815	0.004238	0.779884	0.79650
##	1.419	7309	3	0.78782	0.004240	0.779556	0.79618
##	1.419	7306	2	0.78761	0.004242	0.779337	0.79597
##	1.419	7304	1	0.78750	0.004243	0.779228	0.79586
##	1.420	7303	1	0.78739	0.004243	0.779118	0.79575
##	1.420	7302	1	0.78728	0.004244	0.779009	0.79565
##	1.421	7301	1	0.78718	0.004245	0.778900	0.79554
##	1.421	7300	2	0.78696	0.004247	0.778681	0.79533
##	1.421	7298	1	0.78685	0.004247	0.778572	0.79522
##	1.421	7297	1	0.78674	0.004248	0.778462	0.79512
##	1.422	7296	2	0.78653	0.004250	0.778244	0.79490
##	1.422	7294	1	0.78642	0.004251	0.778134	0.79480
##	1.422	7293	2	0.78621	0.004252	0.777916	0.79458
##	1.422	7291	1	0.78610	0.004253	0.777806	0.79448
##	1.423	7290	2	0.78588	0.004254	0.777588	0.79426
##	1.425	7288	1	0.78577	0.004255	0.777478	0.79416
##	1.426	7287	1	0.78567	0.004256	0.777369	0.79405
##	1.426	7286	1	0.78556	0.004257	0.777260	0.79395
##	1.434	7283	1	0.78545	0.004258	0.777150	0.79384
##	1.434	7282	10	0.78437	0.004265	0.776057	0.79278
##	1.435	7272	6	0.78372	0.004270	0.775400	0.79214
##	1.435	7266	6	0.78308	0.004275	0.774744	0.79150
##	1.435	7260	8	0.78221	0.004281	0.773869	0.79065
##	1.435	7252	7	0.78146	0.004286	0.773104	0.78991
##	1.435	7245	7	0.78070	0.004292	0.772339	0.78916
##	1.435	7238	6	0.78006	0.004296	0.771683	0.78852
##	1.435	7232	3	0.77973	0.004298	0.771355	0.78820
##	1.435	7229	2	0.77952	0.004300	0.771136	0.78799
##	1.435	7227	4	0.77909	0.004303	0.770699	0.78757
##	1.435	7223	2	0.77887	0.004304	0.770480	0.78735
##	1.436	7221	3	0.77855	0.004307	0.770152	0.78703
##	1.436	7218	2	0.77833	0.004308	0.769934	0.78682
##	1.436	7216	2	0.77812	0.004310	0.769715	0.78661
##	1.436	7214	1	0.77801	0.004310	0.769606	0.78650
##	1.436	7213	1	0.77790	0.004311	0.769496	0.78640
##	1.436	7212	1	0.77779	0.004312	0.769387	0.78629
##	1.437	7211	1	0.77768	0.004313	0.769278	0.78618
##	1.437	7210	1	0.77758	0.004313	0.769168	0.78608
##	1.437	7209	1	0.77747	0.004314	0.769059	0.78597
##	1.437	7208	1	0.77736	0.004315	0.768950	0.78586
##	1.438	7207	1	0.77725	0.004316	0.768840	0.78576
##	1.438	7206	1	0.77715	0.004316	0.768731	0.78565
##	1.439	7205	2	0.77693	0.004318	0.768512	0.78544
##	1.439	7203	1	0.77682	0.004319	0.768403	0.78533
##	1.442	7201	2	0.77661	0.004320	0.768185	0.78512
##	1.442	7199	1	0.77650	0.004321	0.768075	0.78501
##	1.443	7197	1	0.77639	0.004322	0.767966	0.78491
##	1.443	7196	1	0.77628	0.004322	0.767857	0.78480
##	1.444	7195	1	0.77617	0.004323	0.767747	0.78469

##	1.445	7193	1	0.77607	0.004324	0.767638	0.78459
##	1.445	7192	1	0.77596	0.004325	0.767529	0.78448
##	1.445	7191	1	0.77585	0.004325	0.767419	0.78437
##	1.451	7190	1	0.77574	0.004326	0.767310	0.78427
##	1.451	7189	3	0.77542	0.004328	0.766982	0.78395
##	1.451	7186	6	0.77477	0.004333	0.766326	0.78331
##	1.451	7180	5	0.77423	0.004337	0.765779	0.78278
##	1.451	7175	12	0.77294	0.004345	0.764467	0.78150
##	1.451	7163	9	0.77197	0.004352	0.763483	0.78054
##	1.452	7154	11	0.77078	0.004360	0.762281	0.77937
##	1.452	7143	4	0.77035	0.004363	0.761844	0.77895
##	1.452	7138	4	0.76992	0.004366	0.761406	0.77852
##	1.452	7134	1	0.76981	0.004366	0.761297	0.77841
##	1.452	7133	1	0.76970	0.004367	0.761188	0.77831
##	1.452	7132	2	0.76948	0.004369	0.760969	0.77809
##	1.452	7130	3	0.76916	0.004371	0.760641	0.77777
##	1.452	7127	4	0.76873	0.004374	0.760204	0.77735
##	1.452	7123	1	0.76862	0.004374	0.760095	0.77724
##	1.452	7121	2	0.76840	0.004376	0.759876	0.77703
##	1.453	7119	2	0.76819	0.004377	0.759657	0.77682
##	1.453	7117	2	0.76797	0.004379	0.759439	0.77660
##	1.453	7115	1	0.76787	0.004379	0.759330	0.77650
##	1.453	7114	1	0.76776	0.004380	0.759220	0.77639
##	1.453	7113	1	0.76765	0.004381	0.759111	0.77628
##	1.453	7112	2	0.76743	0.004382	0.758892	0.77607
##	1.454	7110	1	0.76733	0.004383	0.758783	0.77596
##	1.454	7109	2	0.76711	0.004384	0.758564	0.77575
##	1.455	7107	2	0.76689	0.004386	0.758346	0.77554
##	1.455	7105	2	0.76668	0.004387	0.758127	0.77533
##	1.455	7103	2	0.76646	0.004389	0.757908	0.77511
##	1.456	7101	1	0.76635	0.004389	0.757799	0.77501
##	1.456	7100	1	0.76625	0.004390	0.757690	0.77490
##	1.456	7099	1	0.76614	0.004391	0.757581	0.77479
##	1.457	7098	1	0.76603	0.004391	0.757471	0.77469
##	1.457	7097	1	0.76592	0.004392	0.757362	0.77458
##	1.457	7096	1	0.76581	0.004393	0.757253	0.77447
##	1.458	7095	1	0.76571	0.004394	0.757143	0.77437
##	1.458	7094	1	0.76560	0.004394	0.757034	0.77426
##	1.459	7093	1	0.76549	0.004395	0.756925	0.77415
##	1.460	7092	1	0.76538	0.004396	0.756815	0.77405
##	1.460	7091	1	0.76527	0.004396	0.756706	0.77394
##	1.460	7090	1	0.76517	0.004397	0.756597	0.77383
##	1.460	7089	1	0.76506	0.004398	0.756488	0.77373
##	1.468	7088	1	0.76495	0.004399	0.756378	0.77362
##	1.468	7087	2	0.76473	0.004400	0.756160	0.77341
##	1.468	7085	2	0.76452	0.004401	0.755941	0.77319
##	1.468	7083	4	0.76409	0.004404	0.755504	0.77277
##	1.468	7079	5	0.76355	0.004408	0.754958	0.77224
##	1.468	7074	9	0.76258	0.004414	0.753974	0.77128
##	1.468	7065	7	0.76182	0.004419	0.753209	0.77053
##	1.468	7057	4	0.76139	0.004422	0.752772	0.77010
##	1.468	7053	3	0.76106	0.004424	0.752444	0.76978
##	1.468	7050	6	0.76042	0.004428	0.751788	0.76915
##	1.468	7044	2	0.76020	0.004429	0.751570	0.76893

##	1.469	7042	2	0.75999	0.004430	0.751351	0.76872
##	1.469	7040	5	0.75945	0.004434	0.750805	0.76819
##	1.469	7035	1	0.75934	0.004435	0.750696	0.76808
##	1.469	7034	2	0.75912	0.004436	0.750477	0.76787
##	1.469	7032	1	0.75901	0.004437	0.750368	0.76776
##	1.469	7031	1	0.75891	0.004437	0.750259	0.76765
##	1.469	7030	2	0.75869	0.004439	0.750040	0.76744
##	1.469	7028	1	0.75858	0.004439	0.749931	0.76733
##	1.470	7027	1	0.75847	0.004440	0.749822	0.76723
##	1.470	7026	2	0.75826	0.004441	0.749603	0.76701
##	1.470	7024	1	0.75815	0.004442	0.749494	0.76691
##	1.471	7023	2	0.75793	0.004443	0.749275	0.76669
##	1.471	7021	1	0.75783	0.004444	0.749166	0.76659
##	1.471	7020	1	0.75772	0.004445	0.749057	0.76648
##	1.471	7019	1	0.75761	0.004445	0.748947	0.76637
##	1.472	7018	1	0.75750	0.004446	0.748838	0.76627
##	1.472	7017	1	0.75739	0.004447	0.748729	0.76616
##	1.472	7016	2	0.75718	0.004448	0.748510	0.76595
##	1.473	7014	1	0.75707	0.004449	0.748401	0.76584
##	1.473	7013	2	0.75685	0.004450	0.748183	0.76563
##	1.473	7011	1	0.75675	0.004451	0.748073	0.76552
##	1.474	7010	1	0.75664	0.004452	0.747964	0.76541
##	1.474	7009	1	0.75653	0.004452	0.747855	0.76531
##	1.474	7008	1	0.75642	0.004453	0.747746	0.76520
##	1.475	7007	2	0.75621	0.004454	0.747527	0.76499
##	1.475	7005	2	0.75599	0.004456	0.747309	0.76477
##	1.476	7003	1	0.75588	0.004456	0.747199	0.76467
##	1.477	7002	2	0.75567	0.004458	0.746981	0.76445
##	1.477	7000	1	0.75556	0.004458	0.746872	0.76435
##	1.477	6999	1	0.75545	0.004459	0.746762	0.76424
##	1.478	6998	1	0.75534	0.004460	0.746653	0.76413
##	1.484	6997	1	0.75524	0.004460	0.746544	0.76403
##	1.484	6996	3	0.75491	0.004462	0.746216	0.76371
##	1.484	6993	3	0.75459	0.004464	0.745889	0.76339
##	1.484	6989	4	0.75416	0.004467	0.745452	0.76296
##	1.485	6985	9	0.75318	0.004473	0.744468	0.76200
##	1.485	6976	14	0.75167	0.004482	0.742939	0.76051
##	1.485	6962	18	0.74973	0.004494	0.740973	0.75859
##	1.485	6944	2	0.74951	0.004495	0.740754	0.75838
##	1.485	6942	3	0.74919	0.004497	0.740427	0.75806
##	1.485	6938	9	0.74822	0.004503	0.739444	0.75710
##	1.485	6929	2	0.74800	0.004504	0.739225	0.75688
##	1.485	6927	2	0.74779	0.004506	0.739007	0.75667
##	1.486	6925	3	0.74746	0.004507	0.738679	0.75635
##	1.486	6921	2	0.74725	0.004509	0.738461	0.75614
##	1.486	6919	3	0.74692	0.004511	0.738133	0.75582
##	1.486	6916	1	0.74681	0.004511	0.738024	0.75571
##	1.486	6915	3	0.74649	0.004513	0.737696	0.75539
##	1.486	6912	1	0.74638	0.004514	0.737587	0.75528
##	1.487	6911	1	0.74627	0.004515	0.737478	0.75517
##	1.487	6910	1	0.74617	0.004515	0.737368	0.75507
##	1.487	6909	1	0.74606	0.004516	0.737259	0.75496
##	1.487	6908	1	0.74595	0.004516	0.737150	0.75485
##	1.487	6907	1	0.74584	0.004517	0.737041	0.75475

##	1.488	6906	1	0.74573	0.004518	0.736932	0.75464
##	1.488	6905	1	0.74563	0.004518	0.736822	0.75453
##	1.488	6904	1	0.74552	0.004519	0.736713	0.75443
##	1.488	6903	3	0.74519	0.004521	0.736385	0.75411
##	1.488	6900	1	0.74509	0.004522	0.736276	0.75400
##	1.488	6899	1	0.74498	0.004522	0.736167	0.75389
##	1.489	6898	1	0.74487	0.004523	0.736058	0.75379
##	1.489	6897	1	0.74476	0.004523	0.735949	0.75368
##	1.490	6896	2	0.74455	0.004525	0.735730	0.75347
##	1.490	6894	1	0.74444	0.004525	0.735621	0.75336
##	1.491	6893	1	0.74433	0.004526	0.735512	0.75325
##	1.491	6892	1	0.74422	0.004527	0.735402	0.75315
##	1.491	6891	1	0.74411	0.004527	0.735293	0.75304
##	1.492	6890	1	0.74401	0.004528	0.735184	0.75293
##	1.492	6889	2	0.74379	0.004529	0.734966	0.75272
##	1.493	6887	2	0.74357	0.004530	0.734747	0.75251
##	1.493	6884	1	0.74347	0.004531	0.734638	0.75240
##	1.494	6883	1	0.74336	0.004532	0.734529	0.75229
##	1.494	6882	1	0.74325	0.004532	0.734419	0.75219
##	1.495	6881	1	0.74314	0.004533	0.734310	0.75208
##	1.496	6880	1	0.74303	0.004534	0.734201	0.75197
##	1.500	6879	1	0.74293	0.004534	0.734092	0.75187
##	1.501	6878	2	0.74271	0.004535	0.733873	0.75165
##	1.501	6876	1	0.74260	0.004536	0.733764	0.75155
##	1.501	6875	5	0.74206	0.004539	0.733218	0.75101
##	1.501	6870	6	0.74141	0.004543	0.732563	0.75037
##	1.501	6864	10	0.74033	0.004549	0.731471	0.74930
##	1.501	6853	7	0.73958	0.004553	0.730706	0.74856
##	1.502	6846	11	0.73839	0.004560	0.729505	0.74738
##	1.502	6834	9	0.73742	0.004566	0.728522	0.74642
##	1.502	6825	2	0.73720	0.004567	0.728303	0.74621
##	1.502	6823	3	0.73688	0.004569	0.727976	0.74589
##	1.502	6820	3	0.73655	0.004571	0.727648	0.74556
##	1.502	6817	3	0.73623	0.004572	0.727320	0.74524
##	1.502	6814	4	0.73580	0.004575	0.726884	0.74482
##	1.502	6810	2	0.73558	0.004576	0.726665	0.74460
##	1.502	6808	2	0.73536	0.004577	0.726447	0.74439
##	1.502	6806	1	0.73526	0.004578	0.726338	0.74428
##	1.503	6805	2	0.73504	0.004579	0.726119	0.74407
##	1.503	6803	1	0.73493	0.004580	0.726010	0.74396
##	1.503	6802	1	0.73482	0.004580	0.725901	0.74386
##	1.504	6801	1	0.73472	0.004581	0.725792	0.74375
##	1.505	6800	2	0.73450	0.004582	0.725573	0.74353
##	1.506	6797	1	0.73439	0.004583	0.725464	0.74343
##	1.506	6795	2	0.73417	0.004584	0.725246	0.74321
##	1.507	6793	1	0.73407	0.004584	0.725136	0.74311
##	1.507	6792	1	0.73396	0.004585	0.725027	0.74300
##	1.507	6791	1	0.73385	0.004586	0.724918	0.74289
##	1.508	6789	1	0.73374	0.004586	0.724809	0.74279
##	1.508	6788	2	0.73353	0.004587	0.724590	0.74257
##	1.509	6786	2	0.73331	0.004589	0.724372	0.74236
##	1.509	6784	1	0.73320	0.004589	0.724262	0.74225
##	1.509	6783	1	0.73309	0.004590	0.724153	0.74215
##	1.509	6782	1	0.73299	0.004590	0.724044	0.74204

##	1.510	6781	1	0.73288	0.004591	0.723935	0.74193
##	1.510	6780	1	0.73277	0.004592	0.723825	0.74182
##	1.510	6779	1	0.73266	0.004592	0.723716	0.74172
##	1.511	6778	1	0.73255	0.004593	0.723607	0.74161
##	1.511	6777	1	0.73245	0.004593	0.723498	0.74150
##	1.512	6776	1	0.73234	0.004594	0.723388	0.74140
##	1.512	6775	1	0.73223	0.004595	0.723279	0.74129
##	1.518	6774	1	0.73212	0.004595	0.723170	0.74118
##	1.518	6773	1	0.73201	0.004596	0.723061	0.74108
##	1.518	6772	3	0.73169	0.004598	0.722733	0.74076
##	1.518	6769	5	0.73115	0.004600	0.722187	0.74022
##	1.518	6763	9	0.73018	0.004606	0.721204	0.73926
##	1.518	6752	2	0.72996	0.004607	0.720985	0.73904
##	1.518	6749	6	0.72931	0.004610	0.720329	0.73840
##	1.518	6743	10	0.72823	0.004616	0.719237	0.73733
##	1.518	6733	6	0.72758	0.004620	0.718581	0.73669
##	1.518	6727	2	0.72736	0.004621	0.718363	0.73648
##	1.518	6725	2	0.72715	0.004622	0.718144	0.73626
##	1.519	6723	2	0.72693	0.004623	0.717925	0.73605
##	1.519	6721	1	0.72682	0.004624	0.717816	0.73594
##	1.519	6720	5	0.72628	0.004627	0.717270	0.73541
##	1.519	6715	6	0.72563	0.004630	0.716614	0.73476
##	1.519	6709	5	0.72509	0.004633	0.716068	0.73423
##	1.519	6704	1	0.72498	0.004634	0.715959	0.73412
##	1.519	6703	1	0.72488	0.004634	0.715849	0.73402
##	1.520	6702	1	0.72477	0.004635	0.715740	0.73391
##	1.520	6701	2	0.72455	0.004636	0.715522	0.73369
##	1.520	6699	1	0.72444	0.004636	0.715412	0.73359
##	1.520	6698	1	0.72433	0.004637	0.715303	0.73348
##	1.520	6697	1	0.72423	0.004638	0.715194	0.73337
##	1.521	6696	1	0.72412	0.004638	0.715085	0.73327
##	1.521	6695	1	0.72401	0.004639	0.714975	0.73316
##	1.521	6694	1	0.72390	0.004639	0.714866	0.73305
##	1.521	6693	3	0.72358	0.004641	0.714538	0.73273
##	1.522	6690	2	0.72336	0.004642	0.714320	0.73252
##	1.522	6688	1	0.72325	0.004643	0.714211	0.73241
##	1.522	6687	1	0.72315	0.004643	0.714102	0.73230
##	1.522	6686	1	0.72304	0.004644	0.713992	0.73220
##	1.522	6685	1	0.72293	0.004644	0.713883	0.73209
##	1.523	6684	1	0.72282	0.004645	0.713774	0.73198
##	1.523	6683	1	0.72271	0.004645	0.713665	0.73187
##	1.523	6682	1	0.72260	0.004646	0.713555	0.73177
##	1.524	6680	1	0.72250	0.004647	0.713446	0.73166
##	1.524	6679	1	0.72239	0.004647	0.713337	0.73155
##	1.524	6678	1	0.72228	0.004648	0.713228	0.73145
##	1.525	6677	1	0.72217	0.004648	0.713118	0.73134
##	1.525	6676	1	0.72206	0.004649	0.713009	0.73123
##	1.526	6675	1	0.72196	0.004649	0.712900	0.73113
##	1.526	6674	1	0.72185	0.004650	0.712791	0.73102
##	1.527	6673	1	0.72174	0.004651	0.712681	0.73091
##	1.528	6672	1	0.72163	0.004651	0.712572	0.73080
##	1.528	6671	1	0.72152	0.004652	0.712463	0.73070
##	1.528	6670	1	0.72141	0.004652	0.712354	0.73059
##	1.529	6669	1	0.72131	0.004653	0.712244	0.73048

##	1.534	6668	1	0.72120	0.004653	0.712135	0.73038
##	1.534	6667	1	0.72109	0.004654	0.712026	0.73027
##	1.534	6666	4	0.72066	0.004656	0.711589	0.72984
##	1.535	6662	4	0.72022	0.004658	0.711152	0.72941
##	1.535	6658	8	0.71936	0.004663	0.710278	0.72856
##	1.535	6650	5	0.71882	0.004666	0.709732	0.72802
##	1.535	6645	7	0.71806	0.004669	0.708967	0.72727
##	1.535	6638	5	0.71752	0.004672	0.708421	0.72674
##	1.535	6633	3	0.71720	0.004674	0.708093	0.72641
##	1.535	6630	2	0.71698	0.004675	0.707875	0.72620
##	1.535	6628	1	0.71687	0.004675	0.707766	0.72609
##	1.536	6627	1	0.71676	0.004676	0.707656	0.72599
##	1.536	6626	2	0.71655	0.004677	0.707438	0.72577
##	1.536	6624	1	0.71644	0.004678	0.707329	0.72567
##	1.537	6623	1	0.71633	0.004678	0.707220	0.72556
##	1.537	6622	1	0.71622	0.004679	0.707110	0.72545
##	1.537	6621	1	0.71611	0.004679	0.707001	0.72534
##	1.537	6620	2	0.71590	0.004680	0.706783	0.72513
##	1.538	6618	1	0.71579	0.004681	0.706673	0.72502
##	1.538	6617	1	0.71568	0.004681	0.706564	0.72492
##	1.538	6616	1	0.71557	0.004682	0.706455	0.72481
##	1.539	6615	2	0.71536	0.004683	0.706237	0.72459
##	1.539	6613	1	0.71525	0.004684	0.706127	0.72449
##	1.539	6612	1	0.71514	0.004684	0.706018	0.72438
##	1.539	6611	1	0.71503	0.004685	0.705909	0.72427
##	1.540	6610	2	0.71482	0.004686	0.705691	0.72406
##	1.541	6608	1	0.71471	0.004686	0.705581	0.72395
##	1.541	6607	2	0.71449	0.004687	0.705363	0.72374
##	1.542	6605	1	0.71438	0.004688	0.705254	0.72363
##	1.543	6604	1	0.71427	0.004688	0.705144	0.72352
##	1.544	6603	2	0.71406	0.004690	0.704926	0.72331
##	1.544	6600	1	0.71395	0.004690	0.704817	0.72320
##	1.545	6599	1	0.71384	0.004691	0.704708	0.72309
##	1.546	6598	1	0.71373	0.004691	0.704598	0.72299
##	1.551	6597	2	0.71352	0.004692	0.704380	0.72277
##	1.551	6595	1	0.71341	0.004693	0.704271	0.72267
##	1.551	6594	4	0.71298	0.004695	0.703834	0.72224
##	1.551	6590	6	0.71233	0.004698	0.703179	0.72160
##	1.551	6584	5	0.71179	0.004701	0.702633	0.72106
##	1.552	6578	5	0.71125	0.004703	0.702086	0.72052
##	1.552	6572	8	0.71038	0.004708	0.701213	0.71967
##	1.552	6564	2	0.71016	0.004709	0.700994	0.71945
##	1.552	6560	1	0.71005	0.004709	0.700885	0.71935
##	1.552	6559	3	0.70973	0.004711	0.700557	0.71902
##	1.552	6556	2	0.70951	0.004712	0.700338	0.71881
##	1.552	6554	2	0.70930	0.004713	0.700120	0.71859
##	1.552	6552	1	0.70919	0.004713	0.700011	0.71849
##	1.552	6551	1	0.70908	0.004714	0.699901	0.71838
##	1.552	6550	1	0.70897	0.004714	0.699792	0.71827
##	1.553	6549	1	0.70886	0.004715	0.699683	0.71817
##	1.553	6548	2	0.70865	0.004716	0.699464	0.71795
##	1.554	6546	1	0.70854	0.004717	0.699355	0.71784
##	1.554	6545	1	0.70843	0.004717	0.699246	0.71774
##	1.554	6544	1	0.70832	0.004718	0.699137	0.71763

##	1.554	6543	1	0.70821	0.004718	0.699027	0.71752
##	1.554	6542	1	0.70811	0.004719	0.698918	0.71742
##	1.555	6541	2	0.70789	0.004720	0.698700	0.71720
##	1.555	6539	1	0.70778	0.004720	0.698590	0.71709
##	1.556	6538	1	0.70767	0.004721	0.698481	0.71699
##	1.556	6537	1	0.70757	0.004721	0.698372	0.71688
##	1.556	6536	1	0.70746	0.004722	0.698263	0.71677
##	1.556	6535	1	0.70735	0.004722	0.698153	0.71666
##	1.556	6534	2	0.70713	0.004723	0.697935	0.71645
##	1.556	6532	1	0.70702	0.004724	0.697826	0.71634
##	1.556	6531	1	0.70692	0.004724	0.697716	0.71624
##	1.556	6530	2	0.70670	0.004725	0.697498	0.71602
##	1.557	6528	1	0.70659	0.004726	0.697389	0.71591
##	1.557	6527	1	0.70648	0.004726	0.697279	0.71581
##	1.557	6526	1	0.70637	0.004727	0.697170	0.71570
##	1.558	6525	2	0.70616	0.004728	0.696952	0.71549
##	1.558	6523	1	0.70605	0.004728	0.696842	0.71538
##	1.558	6522	1	0.70594	0.004729	0.696733	0.71527
##	1.560	6521	1	0.70583	0.004729	0.696624	0.71516
##	1.560	6520	1	0.70572	0.004730	0.696515	0.71506
##	1.561	6519	1	0.70562	0.004731	0.696405	0.71495
##	1.562	6518	1	0.70551	0.004731	0.696296	0.71484
##	1.562	6517	1	0.70540	0.004732	0.696187	0.71473
##	1.568	6516	1	0.70529	0.004732	0.696078	0.71463
##	1.568	6514	5	0.70475	0.004735	0.695531	0.71409
##	1.568	6509	3	0.70443	0.004736	0.695204	0.71377
##	1.568	6506	6	0.70378	0.004739	0.694548	0.71313
##	1.568	6500	12	0.70248	0.004745	0.693237	0.71184
##	1.568	6488	5	0.70194	0.004748	0.692691	0.71130
##	1.568	6483	3	0.70161	0.004749	0.692363	0.71098
##	1.569	6480	2	0.70139	0.004750	0.692145	0.71077
##	1.569	6477	1	0.70129	0.004751	0.692036	0.71066
##	1.569	6474	2	0.70107	0.004752	0.691817	0.71044
##	1.569	6472	3	0.70074	0.004753	0.691489	0.71012
##	1.569	6468	1	0.70064	0.004754	0.691380	0.71002
##	1.569	6467	2	0.70042	0.004755	0.691161	0.70980
##	1.569	6465	3	0.70009	0.004756	0.690834	0.70948
##	1.569	6462	1	0.69999	0.004757	0.690724	0.70937
##	1.569	6461	1	0.69988	0.004757	0.690615	0.70926
##	1.570	6460	1	0.69977	0.004758	0.690506	0.70916
##	1.570	6459	1	0.69966	0.004758	0.690396	0.70905
##	1.570	6458	1	0.69955	0.004759	0.690287	0.70894
##	1.570	6457	1	0.69944	0.004759	0.690178	0.70883
##	1.571	6456	1	0.69934	0.004760	0.690069	0.70873
##	1.571	6455	1	0.69923	0.004760	0.689959	0.70862
##	1.571	6454	1	0.69912	0.004761	0.689850	0.70851
##	1.572	6453	1	0.69901	0.004761	0.689741	0.70840
##	1.572	6452	2	0.69879	0.004762	0.689522	0.70819
##	1.573	6450	1	0.69869	0.004763	0.689413	0.70808
##	1.573	6449	1	0.69858	0.004763	0.689304	0.70798
##	1.574	6448	1	0.69847	0.004764	0.689194	0.70787
##	1.575	6447	1	0.69836	0.004764	0.689085	0.70776
##	1.575	6446	1	0.69825	0.004765	0.688976	0.70765
##	1.575	6445	1	0.69814	0.004765	0.688866	0.70755

##	1.575	6444	1	0.69804	0.004766	0.688757	0.70744
##	1.575	6443	1	0.69793	0.004766	0.688648	0.70733
##	1.576	6442	1	0.69782	0.004767	0.688539	0.70722
##	1.577	6441	2	0.69760	0.004768	0.688320	0.70701
##	1.577	6439	1	0.69749	0.004768	0.688211	0.70690
##	1.578	6438	1	0.69739	0.004769	0.688101	0.70679
##	1.578	6437	1	0.69728	0.004769	0.687992	0.70669
##	1.584	6436	1	0.69717	0.004770	0.687883	0.70658
##	1.584	6435	3	0.69684	0.004771	0.687555	0.70626
##	1.585	6432	5	0.69630	0.004773	0.687009	0.70572
##	1.585	6427	10	0.69522	0.004778	0.685916	0.70465
##	1.585	6416	6	0.69457	0.004781	0.685260	0.70400
##	1.585	6407	8	0.69370	0.004785	0.684386	0.70314
##	1.585	6398	7	0.69294	0.004788	0.683620	0.70239
##	1.585	6391	3	0.69262	0.004790	0.683292	0.70207
##	1.585	6388	3	0.69229	0.004791	0.682964	0.70175
##	1.585	6385	5	0.69175	0.004794	0.682418	0.70121
##	1.585	6380	4	0.69132	0.004796	0.681980	0.70078
##	1.585	6376	3	0.69099	0.004797	0.681652	0.70046
##	1.585	6373	1	0.69088	0.004797	0.681543	0.70035
##	1.586	6372	3	0.69056	0.004799	0.681215	0.70003
##	1.586	6369	2	0.69034	0.004800	0.680996	0.69981
##	1.587	6367	1	0.69023	0.004800	0.680887	0.69970
##	1.587	6366	1	0.69012	0.004801	0.680778	0.69960
##	1.587	6365	1	0.69001	0.004801	0.680668	0.69949
##	1.587	6364	1	0.68991	0.004802	0.680559	0.69938
##	1.588	6363	1	0.68980	0.004802	0.680450	0.69927
##	1.589	6362	2	0.68958	0.004803	0.680231	0.69906
##	1.589	6360	1	0.68947	0.004804	0.680122	0.69895
##	1.589	6359	1	0.68936	0.004804	0.680012	0.69884
##	1.589	6358	1	0.68926	0.004805	0.679903	0.69874
##	1.589	6357	1	0.68915	0.004805	0.679794	0.69863
##	1.589	6356	1	0.68904	0.004805	0.679684	0.69852
##	1.590	6355	1	0.68893	0.004806	0.679575	0.69841
##	1.591	6353	1	0.68882	0.004806	0.679466	0.69831
##	1.594	6351	1	0.68871	0.004807	0.679356	0.69820
##	1.594	6350	1	0.68861	0.004807	0.679247	0.69809
##	1.595	6349	1	0.68850	0.004808	0.679138	0.69798
##	1.601	6348	2	0.68828	0.004809	0.678919	0.69777
##	1.601	6346	3	0.68795	0.004810	0.678591	0.69745
##	1.601	6343	3	0.68763	0.004812	0.678263	0.69712
##	1.601	6340	6	0.68698	0.004814	0.677607	0.69648
##	1.601	6334	4	0.68654	0.004816	0.677170	0.69605
##	1.601	6330	14	0.68503	0.004823	0.675639	0.69454
##	1.602	6316	7	0.68427	0.004826	0.674874	0.69379
##	1.602	6309	3	0.68394	0.004827	0.674546	0.69347
##	1.602	6306	3	0.68362	0.004828	0.674218	0.69315
##	1.602	6303	4	0.68318	0.004830	0.673780	0.69272
##	1.602	6299	3	0.68286	0.004832	0.673452	0.69239
##	1.602	6296	2	0.68264	0.004833	0.673234	0.69218
##	1.602	6294	1	0.68253	0.004833	0.673124	0.69207
##	1.602	6293	4	0.68210	0.004835	0.672687	0.69164
##	1.602	6289	1	0.68199	0.004835	0.672578	0.69153
##	1.603	6288	2	0.68177	0.004836	0.672359	0.69132

##	1.603	6286	1	0.68166	0.004837	0.672250	0.69121
##	1.603	6285	2	0.68145	0.004837	0.672031	0.69099
##	1.604	6283	1	0.68134	0.004838	0.671922	0.69089
##	1.604	6282	2	0.68112	0.004839	0.671703	0.69067
##	1.604	6280	1	0.68101	0.004839	0.671594	0.69056
##	1.604	6279	1	0.68090	0.004840	0.671485	0.69046
##	1.605	6278	1	0.68080	0.004840	0.671375	0.69035
##	1.605	6277	1	0.68069	0.004841	0.671266	0.69024
##	1.605	6276	1	0.68058	0.004841	0.671157	0.69013
##	1.605	6275	1	0.68047	0.004841	0.671048	0.69003
##	1.605	6274	1	0.68036	0.004842	0.670938	0.68992
##	1.605	6273	1	0.68025	0.004842	0.670829	0.68981
##	1.606	6272	1	0.68015	0.004843	0.670720	0.68970
##	1.606	6271	1	0.68004	0.004843	0.670610	0.68960
##	1.606	6270	2	0.67982	0.004844	0.670392	0.68938
##	1.607	6268	2	0.67960	0.004845	0.670173	0.68917
##	1.607	6266	1	0.67949	0.004845	0.670064	0.68906
##	1.608	6265	1	0.67939	0.004846	0.669954	0.68895
##	1.608	6264	1	0.67928	0.004846	0.669845	0.68884
##	1.608	6263	1	0.67917	0.004847	0.669736	0.68874
##	1.609	6262	1	0.67906	0.004847	0.669627	0.68863
##	1.609	6261	1	0.67895	0.004848	0.669517	0.68852
##	1.609	6260	1	0.67884	0.004848	0.669408	0.68841
##	1.609	6259	1	0.67874	0.004848	0.669299	0.68831
##	1.610	6258	2	0.67852	0.004849	0.669080	0.68809
##	1.610	6256	1	0.67841	0.004850	0.668971	0.68798
##	1.610	6255	2	0.67819	0.004851	0.668752	0.68777
##	1.612	6253	1	0.67808	0.004851	0.668643	0.68766
##	1.618	6252	1	0.67798	0.004852	0.668534	0.68755
##	1.618	6251	2	0.67776	0.004852	0.668315	0.68734
##	1.618	6249	3	0.67743	0.004854	0.667987	0.68701
##	1.618	6246	3	0.67711	0.004855	0.667659	0.68669
##	1.618	6242	7	0.67635	0.004858	0.666894	0.68594
##	1.618	6234	7	0.67559	0.004861	0.666129	0.68518
##	1.618	6227	8	0.67472	0.004865	0.665255	0.68432
##	1.619	6219	4	0.67429	0.004866	0.664817	0.68389
##	1.619	6215	2	0.67407	0.004867	0.664599	0.68368
##	1.619	6213	1	0.67396	0.004867	0.664489	0.68357
##	1.619	6212	1	0.67385	0.004868	0.664380	0.68346
##	1.619	6210	2	0.67364	0.004869	0.664161	0.68325
##	1.619	6208	1	0.67353	0.004869	0.664052	0.68314
##	1.619	6207	2	0.67331	0.004870	0.663833	0.68292
##	1.619	6205	2	0.67309	0.004871	0.663615	0.68271
##	1.620	6203	1	0.67299	0.004871	0.663506	0.68260
##	1.620	6202	1	0.67288	0.004872	0.663396	0.68249
##	1.620	6201	1	0.67277	0.004872	0.663287	0.68239
##	1.620	6200	2	0.67255	0.004873	0.663068	0.68217
##	1.621	6198	1	0.67244	0.004873	0.662959	0.68206
##	1.621	6197	1	0.67233	0.004874	0.662850	0.68196
##	1.621	6196	1	0.67223	0.004874	0.662740	0.68185
##	1.621	6195	1	0.67212	0.004875	0.662631	0.68174
##	1.621	6194	1	0.67201	0.004875	0.662522	0.68163
##	1.622	6193	3	0.67168	0.004876	0.662194	0.68131
##	1.623	6189	1	0.67158	0.004877	0.662084	0.68120

##	1.624	6188	1	0.67147	0.004877	0.661975	0.68109
##	1.624	6187	1	0.67136	0.004878	0.661866	0.68099
##	1.624	6186	1	0.67125	0.004878	0.661756	0.68088
##	1.624	6185	1	0.67114	0.004878	0.661647	0.68077
##	1.624	6184	1	0.67103	0.004879	0.661538	0.68066
##	1.624	6183	1	0.67092	0.004879	0.661428	0.68056
##	1.624	6182	1	0.67082	0.004880	0.661319	0.68045
##	1.625	6181	1	0.67071	0.004880	0.661210	0.68034
##	1.625	6180	1	0.67060	0.004881	0.661100	0.68023
##	1.626	6179	1	0.67049	0.004881	0.660991	0.68012
##	1.626	6178	1	0.67038	0.004881	0.660882	0.68002
##	1.626	6177	1	0.67027	0.004882	0.660773	0.67991
##	1.627	6176	2	0.67006	0.004883	0.660554	0.67969
##	1.627	6174	2	0.66984	0.004883	0.660335	0.67948
##	1.627	6172	1	0.66973	0.004884	0.660226	0.67937
##	1.635	6171	5	0.66919	0.004886	0.659679	0.67883
##	1.635	6166	6	0.66854	0.004888	0.659023	0.67819
##	1.635	6160	14	0.66702	0.004894	0.657493	0.67668
##	1.635	6146	7	0.66626	0.004897	0.656728	0.67592
##	1.635	6139	6	0.66561	0.004899	0.656072	0.67528
##	1.635	6133	6	0.66495	0.004902	0.655416	0.67463
##	1.635	6125	4	0.66452	0.004903	0.654979	0.67420
##	1.635	6121	1	0.66441	0.004904	0.654870	0.67409
##	1.635	6120	2	0.66419	0.004905	0.654651	0.67388
##	1.636	6118	2	0.66398	0.004905	0.654433	0.67366
##	1.636	6116	1	0.66387	0.004906	0.654323	0.67355
##	1.636	6115	3	0.66354	0.004907	0.653995	0.67323
##	1.636	6112	2	0.66333	0.004908	0.653777	0.67302
##	1.636	6110	1	0.66322	0.004908	0.653667	0.67291
##	1.636	6109	1	0.66311	0.004909	0.653558	0.67280
##	1.637	6108	1	0.66300	0.004909	0.653449	0.67269
##	1.637	6107	1	0.66289	0.004909	0.653339	0.67258
##	1.638	6106	2	0.66267	0.004910	0.653121	0.67237
##	1.638	6104	1	0.66257	0.004911	0.653011	0.67226
##	1.638	6103	1	0.66246	0.004911	0.652902	0.67215
##	1.639	6102	1	0.66235	0.004911	0.652793	0.67205
##	1.640	6101	1	0.66224	0.004912	0.652683	0.67194
##	1.641	6100	2	0.66202	0.004913	0.652465	0.67172
##	1.641	6098	1	0.66192	0.004913	0.652355	0.67161
##	1.642	6097	1	0.66181	0.004913	0.652246	0.67151
##	1.642	6096	2	0.66159	0.004914	0.652028	0.67129
##	1.643	6094	1	0.66148	0.004915	0.651918	0.67118
##	1.643	6093	1	0.66137	0.004915	0.651809	0.67108
##	1.643	6092	1	0.66126	0.004915	0.651700	0.67097
##	1.645	6091	1	0.66116	0.004916	0.651590	0.67086
##	1.645	6090	1	0.66105	0.004916	0.651481	0.67075
##	1.646	6089	1	0.66094	0.004916	0.651372	0.67064
##	1.651	6088	1	0.66083	0.004917	0.651262	0.67054
##	1.651	6087	5	0.66029	0.004919	0.650716	0.67000
##	1.651	6082	5	0.65974	0.004921	0.650169	0.66946
##	1.651	6077	6	0.65909	0.004923	0.649514	0.66881
##	1.651	6071	8	0.65822	0.004926	0.648639	0.66795
##	1.652	6063	5	0.65768	0.004928	0.648093	0.66741
##	1.652	6058	5	0.65714	0.004930	0.647546	0.66687

##	1.652	6053	2	0.65692	0.004931	0.647328	0.66666
##	1.652	6051	2	0.65670	0.004932	0.647109	0.66644
##	1.652	6049	1	0.65660	0.004932	0.647000	0.66633
##	1.652	6048	4	0.65616	0.004933	0.646563	0.66590
##	1.652	6044	1	0.65605	0.004934	0.646453	0.66579
##	1.652	6043	2	0.65584	0.004935	0.646235	0.66558
##	1.653	6041	1	0.65573	0.004935	0.646126	0.66547
##	1.653	6039	2	0.65551	0.004936	0.645907	0.66526
##	1.653	6037	1	0.65540	0.004936	0.645798	0.66515
##	1.653	6036	1	0.65529	0.004936	0.645688	0.66504
##	1.653	6035	1	0.65518	0.004937	0.645579	0.66493
##	1.655	6034	1	0.65508	0.004937	0.645470	0.66482
##	1.655	6033	1	0.65497	0.004938	0.645360	0.66472
##	1.655	6031	1	0.65486	0.004938	0.645251	0.66461
##	1.655	6030	1	0.65475	0.004938	0.645142	0.66450
##	1.656	6029	1	0.65464	0.004939	0.645033	0.66439
##	1.657	6028	1	0.65453	0.004939	0.644923	0.66428
##	1.657	6027	1	0.65442	0.004939	0.644814	0.66418
##	1.658	6026	1	0.65432	0.004940	0.644705	0.66407
##	1.659	6025	1	0.65421	0.004940	0.644595	0.66396
##	1.660	6024	1	0.65410	0.004941	0.644486	0.66385
##	1.662	6023	1	0.65399	0.004941	0.644377	0.66375
##	1.662	6022	1	0.65388	0.004941	0.644267	0.66364
##	1.668	6021	1	0.65377	0.004942	0.644158	0.66353
##	1.668	6018	3	0.65345	0.004943	0.643830	0.66321
##	1.668	6015	9	0.65247	0.004946	0.642846	0.66224
##	1.668	6006	9	0.65149	0.004949	0.641862	0.66126
##	1.668	5996	8	0.65062	0.004952	0.640987	0.66040
##	1.668	5988	4	0.65019	0.004954	0.640550	0.65997
##	1.668	5984	4	0.64975	0.004955	0.640112	0.65954
##	1.669	5980	2	0.64954	0.004956	0.639894	0.65932
##	1.669	5978	5	0.64899	0.004958	0.639347	0.65878
##	1.669	5973	6	0.64834	0.004960	0.638691	0.65813
##	1.669	5967	1	0.64823	0.004960	0.638582	0.65803
##	1.669	5966	4	0.64780	0.004962	0.638144	0.65759
##	1.669	5962	2	0.64758	0.004962	0.637926	0.65738
##	1.669	5960	2	0.64736	0.004963	0.637707	0.65716
##	1.670	5958	1	0.64725	0.004964	0.637598	0.65706
##	1.670	5957	2	0.64704	0.004964	0.637379	0.65684
##	1.670	5955	2	0.64682	0.004965	0.637160	0.65662
##	1.670	5953	2	0.64660	0.004966	0.636942	0.65641
##	1.670	5950	1	0.64649	0.004966	0.636832	0.65630
##	1.671	5949	1	0.64638	0.004966	0.636723	0.65619
##	1.671	5948	4	0.64595	0.004968	0.636286	0.65576
##	1.671	5944	1	0.64584	0.004968	0.636176	0.65565
##	1.671	5943	1	0.64573	0.004969	0.636067	0.65554
##	1.671	5942	1	0.64562	0.004969	0.635958	0.65544
##	1.672	5941	1	0.64551	0.004969	0.635848	0.65533
##	1.672	5940	1	0.64541	0.004970	0.635739	0.65522
##	1.672	5939	1	0.64530	0.004970	0.635630	0.65511
##	1.673	5938	1	0.64519	0.004970	0.635520	0.65500
##	1.673	5937	2	0.64497	0.004971	0.635302	0.65479
##	1.673	5935	1	0.64486	0.004971	0.635192	0.65468
##	1.673	5934	1	0.64475	0.004972	0.635083	0.65457

##	1.673	5933	1	0.64465	0.004972	0.634974	0.65446
##	1.674	5932	1	0.64454	0.004972	0.634864	0.65436
##	1.674	5931	2	0.64432	0.004973	0.634646	0.65414
##	1.676	5928	1	0.64421	0.004973	0.634536	0.65403
##	1.680	5927	1	0.64410	0.004974	0.634427	0.65392
##	1.684	5926	1	0.64399	0.004974	0.634318	0.65382
##	1.685	5925	1	0.64388	0.004974	0.634208	0.65371
##	1.685	5924	3	0.64356	0.004976	0.633880	0.65338
##	1.685	5921	5	0.64301	0.004977	0.633333	0.65284
##	1.685	5916	6	0.64236	0.004979	0.632677	0.65220
##	1.685	5909	9	0.64138	0.004982	0.631693	0.65122
##	1.685	5899	4	0.64095	0.004984	0.631256	0.65079
##	1.685	5892	4	0.64051	0.004985	0.630818	0.65036
##	1.685	5888	7	0.63975	0.004987	0.630052	0.64960
##	1.685	5881	1	0.63964	0.004988	0.629943	0.64950
##	1.685	5880	1	0.63954	0.004988	0.629833	0.64939
##	1.686	5879	1	0.63943	0.004989	0.629724	0.64928
##	1.686	5878	2	0.63921	0.004989	0.629505	0.64906
##	1.686	5876	2	0.63899	0.004990	0.629286	0.64885
##	1.686	5873	2	0.63877	0.004991	0.629067	0.64863
##	1.687	5871	1	0.63867	0.004991	0.628958	0.64852
##	1.688	5870	2	0.63845	0.004992	0.628739	0.64831
##	1.688	5868	1	0.63834	0.004992	0.628629	0.64820
##	1.688	5867	1	0.63823	0.004992	0.628520	0.64809
##	1.688	5866	1	0.63812	0.004993	0.628410	0.64798
##	1.688	5865	1	0.63801	0.004993	0.628301	0.64787
##	1.688	5864	2	0.63779	0.004994	0.628082	0.64766
##	1.689	5862	1	0.63769	0.004994	0.627973	0.64755
##	1.689	5861	1	0.63758	0.004994	0.627863	0.64744
##	1.689	5860	1	0.63747	0.004995	0.627754	0.64733
##	1.689	5859	2	0.63725	0.004995	0.627535	0.64712
##	1.690	5857	3	0.63692	0.004996	0.627207	0.64679
##	1.691	5854	1	0.63682	0.004997	0.627097	0.64668
##	1.691	5853	1	0.63671	0.004997	0.626988	0.64658
##	1.691	5852	1	0.63660	0.004997	0.626878	0.64647
##	1.691	5851	3	0.63627	0.004998	0.626550	0.64614
##	1.692	5848	1	0.63616	0.004999	0.626441	0.64604
##	1.692	5847	1	0.63605	0.004999	0.626331	0.64593
##	1.693	5846	1	0.63594	0.004999	0.626222	0.64582
##	1.694	5845	1	0.63584	0.004999	0.626112	0.64571
##	1.695	5844	1	0.63573	0.005000	0.626003	0.64560
##	1.696	5843	1	0.63562	0.005000	0.625894	0.64549
##	1.701	5842	3	0.63529	0.005001	0.625565	0.64517
##	1.701	5839	5	0.63475	0.005003	0.625018	0.64463
##	1.702	5834	4	0.63431	0.005004	0.624581	0.64420
##	1.702	5830	10	0.63322	0.005007	0.623487	0.64312
##	1.702	5820	5	0.63268	0.005009	0.622939	0.64257
##	1.702	5814	3	0.63235	0.005010	0.622611	0.64225
##	1.702	5809	5	0.63181	0.005011	0.622064	0.64171
##	1.702	5804	1	0.63170	0.005012	0.621954	0.64160
##	1.702	5803	1	0.63159	0.005012	0.621845	0.64149
##	1.702	5802	2	0.63137	0.005013	0.621626	0.64128
##	1.702	5800	5	0.63083	0.005014	0.621079	0.64074
##	1.702	5795	1	0.63072	0.005015	0.620969	0.64063

##	1.702	5794	1	0.63061	0.005015	0.620860	0.64052
##	1.703	5793	1	0.63050	0.005015	0.620750	0.64041
##	1.703	5792	1	0.63040	0.005016	0.620641	0.64030
##	1.703	5791	1	0.63029	0.005016	0.620531	0.64019
##	1.704	5790	1	0.63018	0.005016	0.620422	0.64009
##	1.705	5789	1	0.63007	0.005017	0.620313	0.63998
##	1.705	5788	1	0.62996	0.005017	0.620203	0.63987
##	1.705	5787	1	0.62985	0.005017	0.620094	0.63976
##	1.706	5786	1	0.62974	0.005017	0.619984	0.63965
##	1.706	5785	1	0.62963	0.005018	0.619875	0.63954
##	1.706	5784	1	0.62952	0.005018	0.619765	0.63944
##	1.706	5783	1	0.62942	0.005018	0.619656	0.63933
##	1.708	5782	1	0.62931	0.005019	0.619546	0.63922
##	1.708	5781	1	0.62920	0.005019	0.619437	0.63911
##	1.708	5780	2	0.62898	0.005020	0.619218	0.63890
##	1.708	5778	1	0.62887	0.005020	0.619109	0.63879
##	1.710	5777	1	0.62876	0.005020	0.618999	0.63868
##	1.711	5776	1	0.62865	0.005021	0.618890	0.63857
##	1.712	5775	1	0.62854	0.005021	0.618780	0.63846
##	1.713	5774	1	0.62844	0.005021	0.618671	0.63835
##	1.718	5773	1	0.62833	0.005022	0.618561	0.63825
##	1.718	5772	2	0.62811	0.005022	0.618343	0.63803
##	1.718	5770	3	0.62778	0.005023	0.618014	0.63771
##	1.718	5766	8	0.62691	0.005026	0.617139	0.63684
##	1.718	5758	8	0.62604	0.005028	0.616263	0.63597
##	1.718	5750	15	0.62441	0.005033	0.614621	0.63435
##	1.718	5735	6	0.62375	0.005034	0.613965	0.63370
##	1.718	5729	6	0.62310	0.005036	0.613308	0.63305
##	1.719	5723	3	0.62277	0.005037	0.612980	0.63273
##	1.719	5719	1	0.62267	0.005037	0.612870	0.63262
##	1.719	5718	1	0.62256	0.005038	0.612761	0.63251
##	1.719	5717	1	0.62245	0.005038	0.612651	0.63240
##	1.719	5716	2	0.62223	0.005038	0.612432	0.63218
##	1.720	5712	1	0.62212	0.005039	0.612323	0.63208
##	1.720	5711	2	0.62190	0.005039	0.612104	0.63186
##	1.720	5709	1	0.62179	0.005040	0.611994	0.63175
##	1.721	5708	1	0.62168	0.005040	0.611885	0.63164
##	1.722	5707	1	0.62158	0.005040	0.611775	0.63153
##	1.722	5705	1	0.62147	0.005041	0.611666	0.63143
##	1.722	5704	1	0.62136	0.005041	0.611556	0.63132
##	1.722	5703	1	0.62125	0.005041	0.611447	0.63121
##	1.723	5702	1	0.62114	0.005041	0.611337	0.63110
##	1.723	5701	3	0.62081	0.005042	0.611009	0.63078
##	1.724	5698	1	0.62070	0.005043	0.610899	0.63067
##	1.724	5697	1	0.62060	0.005043	0.610790	0.63056
##	1.724	5696	1	0.62049	0.005043	0.610680	0.63045
##	1.726	5695	1	0.62038	0.005043	0.610571	0.63034
##	1.726	5694	1	0.62027	0.005044	0.610461	0.63023
##	1.726	5693	1	0.62016	0.005044	0.610352	0.63012
##	1.727	5692	1	0.62005	0.005044	0.610242	0.63002
##	1.727	5691	1	0.61994	0.005045	0.610133	0.62991
##	1.728	5690	1	0.61983	0.005045	0.610023	0.62980
##	1.735	5689	6	0.61918	0.005047	0.609366	0.62915
##	1.735	5683	10	0.61809	0.005049	0.608272	0.62807

##	1.735	5673	7	0.61733	0.005051	0.607505	0.62731
##	1.735	5666	8	0.61646	0.005054	0.606629	0.62644
##	1.735	5658	9	0.61547	0.005056	0.605644	0.62547
##	1.735	5649	1	0.61537	0.005057	0.605534	0.62536
##	1.735	5648	4	0.61493	0.005058	0.605097	0.62492
##	1.735	5644	2	0.61471	0.005058	0.604878	0.62471
##	1.735	5642	1	0.61460	0.005058	0.604768	0.62460
##	1.736	5641	1	0.61449	0.005059	0.604659	0.62449
##	1.736	5640	3	0.61417	0.005060	0.604330	0.62416
##	1.736	5637	2	0.61395	0.005060	0.604111	0.62395
##	1.736	5634	1	0.61384	0.005060	0.604002	0.62384
##	1.736	5633	2	0.61362	0.005061	0.603783	0.62362
##	1.736	5631	1	0.61351	0.005061	0.603673	0.62351
##	1.736	5630	1	0.61340	0.005062	0.603564	0.62341
##	1.736	5629	2	0.61319	0.005062	0.603345	0.62319
##	1.736	5627	1	0.61308	0.005062	0.603235	0.62308
##	1.737	5626	2	0.61286	0.005063	0.603016	0.62286
##	1.737	5624	1	0.61275	0.005063	0.602907	0.62276
##	1.738	5623	1	0.61264	0.005063	0.602798	0.62265
##	1.738	5622	1	0.61253	0.005064	0.602688	0.62254
##	1.738	5621	1	0.61242	0.005064	0.602579	0.62243
##	1.740	5618	1	0.61231	0.005064	0.602469	0.62232
##	1.740	5617	1	0.61221	0.005065	0.602360	0.62221
##	1.740	5616	1	0.61210	0.005065	0.602250	0.62210
##	1.741	5615	1	0.61199	0.005065	0.602140	0.62200
##	1.742	5614	1	0.61188	0.005065	0.602031	0.62189
##	1.744	5612	1	0.61177	0.005066	0.601921	0.62178
##	1.746	5611	1	0.61166	0.005066	0.601812	0.62167
##	1.751	5610	2	0.61144	0.005066	0.601593	0.62145
##	1.751	5608	1	0.61133	0.005067	0.601483	0.62135
##	1.751	5607	3	0.61101	0.005067	0.601155	0.62102
##	1.751	5604	8	0.61013	0.005070	0.600278	0.62015
##	1.752	5596	4	0.60970	0.005071	0.599840	0.61972
##	1.752	5592	10	0.60861	0.005073	0.598745	0.61863
##	1.752	5581	10	0.60752	0.005076	0.597650	0.61755
##	1.752	5571	6	0.60686	0.005077	0.596992	0.61690
##	1.752	5565	2	0.60664	0.005078	0.596773	0.61668
##	1.752	5563	5	0.60610	0.005079	0.596226	0.61614
##	1.752	5558	1	0.60599	0.005080	0.596116	0.61603
##	1.752	5557	3	0.60566	0.005080	0.595788	0.61570
##	1.752	5554	1	0.60555	0.005081	0.595678	0.61559
##	1.752	5553	2	0.60534	0.005081	0.595459	0.61538
##	1.753	5551	1	0.60523	0.005081	0.595349	0.61527
##	1.753	5550	1	0.60512	0.005082	0.595240	0.61516
##	1.753	5549	1	0.60501	0.005082	0.595130	0.61505
##	1.754	5547	1	0.60490	0.005082	0.595021	0.61494
##	1.754	5546	1	0.60479	0.005082	0.594911	0.61483
##	1.754	5545	1	0.60468	0.005083	0.594802	0.61473
##	1.754	5544	1	0.60457	0.005083	0.594692	0.61462
##	1.754	5543	1	0.60446	0.005083	0.594583	0.61451
##	1.754	5542	1	0.60435	0.005083	0.594473	0.61440
##	1.755	5541	1	0.60425	0.005084	0.594364	0.61429
##	1.756	5540	1	0.60414	0.005084	0.594254	0.61418
##	1.756	5539	1	0.60403	0.005084	0.594145	0.61407

##	1.756	5538	1	0.60392	0.005084	0.594035	0.61397
##	1.756	5537	1	0.60381	0.005085	0.593925	0.61386
##	1.756	5536	1	0.60370	0.005085	0.593816	0.61375
##	1.757	5535	1	0.60359	0.005085	0.593706	0.61364
##	1.757	5534	1	0.60348	0.005085	0.593597	0.61353
##	1.757	5533	1	0.60337	0.005086	0.593487	0.61342
##	1.758	5532	2	0.60315	0.005086	0.593268	0.61321
##	1.758	5530	1	0.60305	0.005086	0.593159	0.61310
##	1.758	5529	1	0.60294	0.005087	0.593049	0.61299
##	1.758	5528	1	0.60283	0.005087	0.592940	0.61288
##	1.758	5527	2	0.60261	0.005087	0.592721	0.61266
##	1.758	5525	1	0.60250	0.005088	0.592611	0.61256
##	1.758	5524	1	0.60239	0.005088	0.592501	0.61245
##	1.758	5523	1	0.60228	0.005088	0.592392	0.61234
##	1.759	5522	1	0.60217	0.005088	0.592282	0.61223
##	1.759	5521	2	0.60196	0.005089	0.592063	0.61201
##	1.759	5519	1	0.60185	0.005089	0.591954	0.61190
##	1.759	5518	1	0.60174	0.005089	0.591844	0.61180
##	1.760	5517	1	0.60163	0.005090	0.591735	0.61169
##	1.760	5516	1	0.60152	0.005090	0.591625	0.61158
##	1.762	5515	1	0.60141	0.005090	0.591516	0.61147
##	1.762	5514	1	0.60130	0.005090	0.591406	0.61136
##	1.763	5513	1	0.60119	0.005091	0.591297	0.61125
##	1.768	5512	2	0.60097	0.005091	0.591078	0.61104
##	1.768	5510	1	0.60086	0.005091	0.590968	0.61093
##	1.768	5509	2	0.60065	0.005092	0.590749	0.61071
##	1.768	5507	9	0.59966	0.005094	0.589763	0.60973
##	1.768	5498	8	0.59879	0.005096	0.588887	0.60886
##	1.768	5490	13	0.59737	0.005099	0.587464	0.60745
##	1.768	5474	17	0.59552	0.005103	0.585601	0.60561
##	1.768	5457	2	0.59530	0.005103	0.585382	0.60539
##	1.769	5455	2	0.59508	0.005104	0.585163	0.60517
##	1.769	5453	3	0.59476	0.005105	0.584834	0.60484
##	1.769	5450	1	0.59465	0.005105	0.584724	0.60474
##	1.769	5448	2	0.59443	0.005105	0.584505	0.60452
##	1.769	5446	2	0.59421	0.005106	0.584286	0.60430
##	1.769	5444	1	0.59410	0.005106	0.584177	0.60419
##	1.769	5443	1	0.59399	0.005106	0.584067	0.60408
##	1.770	5442	1	0.59388	0.005106	0.583957	0.60398
##	1.772	5441	2	0.59366	0.005107	0.583738	0.60376
##	1.773	5439	1	0.59355	0.005107	0.583629	0.60365
##	1.774	5437	1	0.59345	0.005107	0.583519	0.60354
##	1.775	5436	2	0.59323	0.005108	0.583300	0.60332
##	1.775	5434	1	0.59312	0.005108	0.583190	0.60321
##	1.778	5433	1	0.59301	0.005108	0.583081	0.60311
##	1.778	5432	1	0.59290	0.005108	0.582971	0.60300
##	1.778	5431	1	0.59279	0.005109	0.582862	0.60289
##	1.778	5430	1	0.59268	0.005109	0.582752	0.60278
##	1.779	5429	1	0.59257	0.005109	0.582642	0.60267
##	1.779	5428	1	0.59246	0.005109	0.582533	0.60256
##	1.780	5427	1	0.59235	0.005110	0.582423	0.60245
##	1.784	5426	1	0.59224	0.005110	0.582314	0.60234
##	1.785	5425	3	0.59192	0.005110	0.581985	0.60202
##	1.785	5422	1	0.59181	0.005111	0.581875	0.60191

##	1.785	5421	7	0.59104	0.005112	0.581108	0.60115
##	1.785	5414	7	0.59028	0.005114	0.580341	0.60039
##	1.785	5406	12	0.58897	0.005116	0.579026	0.59908
##	1.785	5393	8	0.58810	0.005118	0.578149	0.59821
##	1.785	5385	2	0.58788	0.005119	0.577930	0.59800
##	1.785	5383	3	0.58755	0.005119	0.577601	0.59767
##	1.785	5380	2	0.58733	0.005120	0.577382	0.59745
##	1.786	5378	2	0.58711	0.005120	0.577163	0.59723
##	1.786	5376	1	0.58700	0.005120	0.577053	0.59713
##	1.786	5375	1	0.58689	0.005121	0.576944	0.59702
##	1.787	5374	1	0.58678	0.005121	0.576834	0.59691
##	1.787	5373	1	0.58668	0.005121	0.576724	0.59680
##	1.789	5372	1	0.58657	0.005121	0.576615	0.59669
##	1.791	5369	1	0.58646	0.005121	0.576505	0.59658
##	1.793	5368	1	0.58635	0.005122	0.576395	0.59647
##	1.794	5367	1	0.58624	0.005122	0.576286	0.59636
##	1.795	5366	1	0.58613	0.005122	0.576176	0.59625
##	1.796	5365	1	0.58602	0.005122	0.576066	0.59615
##	1.801	5364	1	0.58591	0.005122	0.575957	0.59604
##	1.801	5363	1	0.58580	0.005123	0.575847	0.59593
##	1.801	5362	2	0.58558	0.005123	0.575628	0.59571
##	1.802	5358	8	0.58471	0.005125	0.574751	0.59484
##	1.802	5350	9	0.58373	0.005127	0.573763	0.59386
##	1.802	5341	8	0.58285	0.005128	0.572886	0.59299
##	1.802	5332	6	0.58220	0.005129	0.572228	0.59234
##	1.802	5326	3	0.58187	0.005130	0.571899	0.59201
##	1.802	5322	4	0.58143	0.005131	0.571460	0.59157
##	1.802	5318	1	0.58132	0.005131	0.571350	0.59146
##	1.802	5317	1	0.58121	0.005131	0.571241	0.59136
##	1.802	5316	1	0.58110	0.005131	0.571131	0.59125
##	1.802	5314	2	0.58088	0.005132	0.570912	0.59103
##	1.803	5312	1	0.58077	0.005132	0.570802	0.59092
##	1.803	5311	2	0.58056	0.005132	0.570582	0.59070
##	1.804	5309	1	0.58045	0.005133	0.570473	0.59059
##	1.804	5308	1	0.58034	0.005133	0.570363	0.59048
##	1.805	5307	1	0.58023	0.005133	0.570253	0.59038
##	1.805	5306	1	0.58012	0.005133	0.570144	0.59027
##	1.806	5304	2	0.57990	0.005134	0.569924	0.59005
##	1.806	5302	1	0.57979	0.005134	0.569814	0.58994
##	1.807	5300	1	0.57968	0.005134	0.569705	0.58983
##	1.808	5299	1	0.57957	0.005134	0.569595	0.58972
##	1.809	5298	1	0.57946	0.005134	0.569485	0.58961
##	1.810	5297	1	0.57935	0.005135	0.569375	0.58950
##	1.811	5296	1	0.57924	0.005135	0.569266	0.58939
##	1.818	5294	6	0.57859	0.005136	0.568607	0.58874
##	1.818	5288	2	0.57837	0.005136	0.568387	0.58852
##	1.818	5286	7	0.57760	0.005138	0.567619	0.58776
##	1.818	5279	5	0.57705	0.005139	0.567070	0.58721
##	1.818	5273	5	0.57651	0.005140	0.566521	0.58667
##	1.819	5268	4	0.57607	0.005140	0.566082	0.58623
##	1.819	5263	3	0.57574	0.005141	0.565753	0.58591
##	1.819	5260	3	0.57541	0.005141	0.565423	0.58558
##	1.819	5257	3	0.57508	0.005142	0.565094	0.58525
##	1.819	5254	1	0.57497	0.005142	0.564984	0.58514

##	1.819	5253	1	0.57487	0.005142	0.564874	0.58503
##	1.819	5252	1	0.57476	0.005143	0.564765	0.58492
##	1.820	5251	1	0.57465	0.005143	0.564655	0.58482
##	1.821	5250	1	0.57454	0.005143	0.564545	0.58471
##	1.822	5249	2	0.57432	0.005143	0.564325	0.58449
##	1.822	5247	1	0.57421	0.005144	0.564216	0.58438
##	1.823	5246	2	0.57399	0.005144	0.563996	0.58416
##	1.823	5244	1	0.57388	0.005144	0.563886	0.58405
##	1.823	5243	1	0.57377	0.005144	0.563776	0.58394
##	1.824	5242	3	0.57344	0.005145	0.563447	0.58362
##	1.824	5238	1	0.57333	0.005145	0.563337	0.58351
##	1.825	5237	1	0.57322	0.005145	0.563227	0.58340
##	1.825	5236	1	0.57311	0.005145	0.563118	0.58329
##	1.826	5235	1	0.57300	0.005146	0.563008	0.58318
##	1.827	5234	1	0.57290	0.005146	0.562898	0.58307
##	1.827	5233	1	0.57279	0.005146	0.562788	0.58296
##	1.827	5232	1	0.57268	0.005146	0.562678	0.58285
##	1.835	5231	2	0.57246	0.005146	0.562459	0.58263
##	1.835	5228	4	0.57202	0.005147	0.562019	0.58220
##	1.835	5224	11	0.57081	0.005149	0.560811	0.58100
##	1.835	5213	14	0.56928	0.005152	0.559274	0.57947
##	1.835	5197	10	0.56819	0.005153	0.558175	0.57838
##	1.835	5187	6	0.56753	0.005154	0.557516	0.57772
##	1.835	5179	3	0.56720	0.005155	0.557187	0.57739
##	1.836	5176	1	0.56709	0.005155	0.557077	0.57728
##	1.836	5175	1	0.56698	0.005155	0.556967	0.57718
##	1.836	5174	1	0.56687	0.005155	0.556857	0.57707
##	1.836	5173	1	0.56676	0.005155	0.556747	0.57696
##	1.836	5172	1	0.56665	0.005156	0.556637	0.57685
##	1.837	5171	1	0.56654	0.005156	0.556527	0.57674
##	1.837	5170	1	0.56643	0.005156	0.556417	0.57663
##	1.837	5169	1	0.56632	0.005156	0.556307	0.57652
##	1.838	5167	1	0.56621	0.005156	0.556198	0.57641
##	1.839	5166	1	0.56610	0.005156	0.556088	0.57630
##	1.839	5165	1	0.56599	0.005157	0.555978	0.57619
##	1.839	5164	1	0.56589	0.005157	0.555868	0.57608
##	1.839	5163	1	0.56578	0.005157	0.555758	0.57597
##	1.839	5162	1	0.56567	0.005157	0.555648	0.57586
##	1.840	5161	1	0.56556	0.005157	0.555538	0.57576
##	1.840	5160	1	0.56545	0.005157	0.555428	0.57565
##	1.840	5159	1	0.56534	0.005158	0.555318	0.57554
##	1.840	5158	1	0.56523	0.005158	0.555208	0.57543
##	1.841	5157	1	0.56512	0.005158	0.555098	0.57532
##	1.841	5156	1	0.56501	0.005158	0.554989	0.57521
##	1.841	5155	1	0.56490	0.005158	0.554879	0.57510
##	1.842	5154	1	0.56479	0.005158	0.554769	0.57499
##	1.842	5153	2	0.56457	0.005159	0.554549	0.57477
##	1.843	5151	1	0.56446	0.005159	0.554439	0.57466
##	1.844	5150	1	0.56435	0.005159	0.554329	0.57455
##	1.845	5149	1	0.56424	0.005159	0.554219	0.57444
##	1.846	5148	1	0.56413	0.005159	0.554109	0.57434
##	1.846	5147	1	0.56402	0.005160	0.553999	0.57423
##	1.851	5146	2	0.56380	0.005160	0.553780	0.57401
##	1.851	5144	4	0.56336	0.005161	0.553340	0.57357

##	1.851	5139	10	0.56227	0.005162	0.552241	0.57248
##	1.852	5128	13	0.56084	0.005164	0.550812	0.57106
##	1.852	5115	15	0.55920	0.005166	0.549163	0.56942
##	1.852	5099	9	0.55821	0.005168	0.548174	0.56843
##	1.852	5089	4	0.55777	0.005168	0.547734	0.56799
##	1.852	5084	3	0.55744	0.005169	0.547404	0.56767
##	1.852	5081	1	0.55733	0.005169	0.547294	0.56756
##	1.852	5080	1	0.55722	0.005169	0.547184	0.56745
##	1.853	5079	2	0.55700	0.005169	0.546964	0.56723
##	1.853	5077	1	0.55689	0.005170	0.546854	0.56712
##	1.853	5075	1	0.55678	0.005170	0.546744	0.56701
##	1.854	5074	1	0.55668	0.005170	0.546634	0.56690
##	1.854	5073	1	0.55657	0.005170	0.546524	0.56679
##	1.857	5072	1	0.55646	0.005170	0.546414	0.56668
##	1.859	5071	1	0.55635	0.005170	0.546304	0.56657
##	1.859	5070	1	0.55624	0.005170	0.546194	0.56646
##	1.860	5069	1	0.55613	0.005171	0.546084	0.56635
##	1.860	5068	2	0.55591	0.005171	0.545864	0.56613
##	1.863	5066	1	0.55580	0.005171	0.545754	0.56603
##	1.868	5065	1	0.55569	0.005171	0.545644	0.56592
##	1.868	5064	3	0.55536	0.005172	0.545314	0.56559
##	1.868	5061	4	0.55492	0.005172	0.544874	0.56515
##	1.868	5057	13	0.55349	0.005174	0.543444	0.56373
##	1.868	5043	8	0.55261	0.005175	0.542564	0.56285
##	1.868	5035	16	0.55086	0.005177	0.540804	0.56110
##	1.869	5018	7	0.55009	0.005178	0.540034	0.56033
##	1.869	5011	1	0.54998	0.005178	0.539924	0.56022
##	1.869	5009	4	0.54954	0.005179	0.539484	0.55979
##	1.869	5005	5	0.54899	0.005179	0.538934	0.55924
##	1.869	5000	5	0.54844	0.005180	0.538384	0.55869
##	1.869	4994	1	0.54833	0.005180	0.538274	0.55858
##	1.869	4993	1	0.54822	0.005180	0.538164	0.55847
##	1.870	4992	1	0.54811	0.005180	0.538054	0.55836
##	1.871	4991	1	0.54800	0.005181	0.537944	0.55825
##	1.872	4990	1	0.54789	0.005181	0.537834	0.55814
##	1.873	4989	1	0.54778	0.005181	0.537724	0.55803
##	1.876	4988	2	0.54756	0.005181	0.537504	0.55781
##	1.877	4986	1	0.54745	0.005181	0.537394	0.55770
##	1.879	4985	1	0.54735	0.005181	0.537284	0.55760
##	1.879	4984	1	0.54724	0.005181	0.537173	0.55749
##	1.885	4983	2	0.54702	0.005182	0.536953	0.55727
##	1.885	4979	1	0.54691	0.005182	0.536843	0.55716
##	1.885	4978	9	0.54592	0.005183	0.535853	0.55617
##	1.885	4969	6	0.54526	0.005184	0.535192	0.55551
##	1.885	4963	10	0.54416	0.005185	0.534091	0.55442
##	1.885	4952	13	0.54273	0.005186	0.532660	0.55299
##	1.885	4939	2	0.54251	0.005187	0.532440	0.55277
##	1.885	4937	2	0.54229	0.005187	0.532220	0.55255
##	1.885	4935	1	0.54218	0.005187	0.532110	0.55244
##	1.886	4934	1	0.54207	0.005187	0.532000	0.55233
##	1.886	4933	1	0.54196	0.005187	0.531890	0.55222
##	1.886	4932	2	0.54174	0.005187	0.531669	0.55200
##	1.886	4930	1	0.54163	0.005187	0.531559	0.55189
##	1.886	4929	3	0.54130	0.005188	0.531229	0.55157

##	1.886	4926	2	0.54108	0.005188	0.531009	0.55135
##	1.887	4924	1	0.54097	0.005188	0.530899	0.55124
##	1.887	4923	1	0.54086	0.005188	0.530789	0.55113
##	1.887	4922	1	0.54075	0.005188	0.530679	0.55102
##	1.888	4921	1	0.54064	0.005188	0.530569	0.55091
##	1.889	4920	1	0.54053	0.005189	0.530459	0.55080
##	1.889	4919	1	0.54042	0.005189	0.530348	0.55069
##	1.889	4918	1	0.54031	0.005189	0.530238	0.55058
##	1.889	4917	1	0.54020	0.005189	0.530128	0.55047
##	1.890	4916	1	0.54009	0.005189	0.530018	0.55036
##	1.892	4915	1	0.53998	0.005189	0.529908	0.55025
##	1.893	4914	1	0.53987	0.005189	0.529798	0.55014
##	1.893	4913	1	0.53976	0.005189	0.529688	0.55003
##	1.901	4911	5	0.53921	0.005190	0.529138	0.54948
##	1.902	4906	11	0.53801	0.005191	0.527927	0.54828
##	1.902	4895	8	0.53713	0.005192	0.527046	0.54740
##	1.902	4886	11	0.53592	0.005193	0.525835	0.54619
##	1.902	4874	6	0.53526	0.005193	0.525174	0.54553
##	1.902	4867	2	0.53504	0.005194	0.524954	0.54531
##	1.902	4865	3	0.53471	0.005194	0.524623	0.54498
##	1.902	4861	1	0.53460	0.005194	0.524513	0.54487
##	1.902	4860	1	0.53449	0.005194	0.524403	0.54476
##	1.902	4859	2	0.53427	0.005194	0.524183	0.54455
##	1.903	4857	2	0.53405	0.005195	0.523962	0.54433
##	1.903	4854	1	0.53394	0.005195	0.523852	0.54422
##	1.903	4852	1	0.53383	0.005195	0.523742	0.54411
##	1.903	4851	1	0.53372	0.005195	0.523632	0.54400
##	1.904	4850	1	0.53361	0.005195	0.523521	0.54389
##	1.904	4849	1	0.53350	0.005195	0.523411	0.54378
##	1.904	4848	1	0.53339	0.005195	0.523301	0.54367
##	1.905	4847	1	0.53328	0.005195	0.523191	0.54356
##	1.905	4846	2	0.53306	0.005195	0.522970	0.54334
##	1.905	4844	1	0.53295	0.005195	0.522860	0.54323
##	1.906	4843	1	0.53284	0.005196	0.522750	0.54312
##	1.907	4842	1	0.53273	0.005196	0.522640	0.54301
##	1.907	4841	1	0.53262	0.005196	0.522530	0.54290
##	1.908	4840	1	0.53251	0.005196	0.522419	0.54279
##	1.909	4839	1	0.53240	0.005196	0.522309	0.54268
##	1.910	4838	1	0.53229	0.005196	0.522199	0.54257
##	1.912	4837	1	0.53218	0.005196	0.522089	0.54246
##	1.912	4836	1	0.53207	0.005196	0.521979	0.54235
##	1.918	4835	3	0.53174	0.005196	0.521648	0.54202
##	1.918	4832	6	0.53108	0.005197	0.520987	0.54136
##	1.918	4824	3	0.53075	0.005197	0.520656	0.54103
##	1.918	4820	8	0.52986	0.005198	0.519774	0.54015
##	1.919	4812	14	0.52832	0.005199	0.518231	0.53861
##	1.919	4796	4	0.52788	0.005199	0.517789	0.53817
##	1.919	4792	1	0.52777	0.005200	0.517679	0.53806
##	1.919	4791	3	0.52744	0.005200	0.517348	0.53773
##	1.919	4787	1	0.52733	0.005200	0.517238	0.53762
##	1.919	4786	2	0.52711	0.005200	0.517017	0.53740
##	1.919	4784	1	0.52700	0.005200	0.516907	0.53729
##	1.919	4783	3	0.52667	0.005200	0.516576	0.53696
##	1.920	4780	1	0.52656	0.005200	0.516466	0.53685

##	1.920	4779	1	0.52645	0.005201	0.516355	0.53674
##	1.921	4778	1	0.52634	0.005201	0.516245	0.53663
##	1.922	4777	1	0.52623	0.005201	0.516135	0.53652
##	1.922	4776	1	0.52612	0.005201	0.516024	0.53641
##	1.923	4775	1	0.52601	0.005201	0.515914	0.53630
##	1.924	4774	1	0.52590	0.005201	0.515804	0.53619
##	1.926	4773	1	0.52579	0.005201	0.515693	0.53608
##	1.927	4772	1	0.52568	0.005201	0.515583	0.53597
##	1.928	4771	2	0.52546	0.005201	0.515363	0.53575
##	1.929	4769	1	0.52535	0.005201	0.515252	0.53564
##	1.929	4768	1	0.52524	0.005201	0.515142	0.53553
##	1.935	4766	2	0.52502	0.005202	0.514921	0.53531
##	1.935	4764	4	0.52458	0.005202	0.514480	0.53487
##	1.935	4760	5	0.52403	0.005202	0.513928	0.53432
##	1.935	4754	8	0.52314	0.005203	0.513046	0.53344
##	1.935	4745	12	0.52182	0.005204	0.511721	0.53212
##	1.935	4733	14	0.52028	0.005205	0.510176	0.53058
##	1.935	4719	6	0.51962	0.005205	0.509514	0.52992
##	1.935	4713	3	0.51929	0.005205	0.509183	0.52959
##	1.936	4710	2	0.51906	0.005205	0.508962	0.52937
##	1.936	4707	1	0.51895	0.005205	0.508852	0.52926
##	1.937	4705	1	0.51884	0.005205	0.508741	0.52915
##	1.937	4704	1	0.51873	0.005205	0.508631	0.52904
##	1.937	4703	1	0.51862	0.005206	0.508521	0.52893
##	1.938	4702	2	0.51840	0.005206	0.508300	0.52871
##	1.940	4700	1	0.51829	0.005206	0.508189	0.52860
##	1.940	4699	1	0.51818	0.005206	0.508079	0.52849
##	1.944	4698	1	0.51807	0.005206	0.507969	0.52838
##	1.951	4697	1	0.51796	0.005206	0.507858	0.52827
##	1.951	4696	6	0.51730	0.005206	0.507196	0.52761
##	1.952	4690	5	0.51675	0.005207	0.506644	0.52705
##	1.952	4685	8	0.51587	0.005207	0.505761	0.52617
##	1.952	4676	9	0.51487	0.005207	0.504767	0.52518
##	1.952	4667	11	0.51366	0.005208	0.503553	0.52397
##	1.952	4654	12	0.51234	0.005209	0.502228	0.52265
##	1.952	4641	4	0.51189	0.005209	0.501786	0.52221
##	1.952	4637	1	0.51178	0.005209	0.501675	0.52209
##	1.952	4636	2	0.51156	0.005209	0.501454	0.52187
##	1.952	4634	1	0.51145	0.005209	0.501344	0.52176
##	1.953	4633	2	0.51123	0.005209	0.501123	0.52154
##	1.953	4631	2	0.51101	0.005209	0.500902	0.52132
##	1.953	4629	2	0.51079	0.005209	0.500681	0.52110
##	1.953	4627	1	0.51068	0.005209	0.500571	0.52099
##	1.953	4626	1	0.51057	0.005209	0.500460	0.52088
##	1.956	4623	1	0.51046	0.005209	0.500350	0.52077
##	1.956	4622	1	0.51035	0.005209	0.500239	0.52066
##	1.958	4621	1	0.51024	0.005209	0.500129	0.52055
##	1.958	4620	1	0.51013	0.005210	0.500018	0.52044
##	1.959	4619	1	0.51002	0.005210	0.499908	0.52033
##	1.960	4618	1	0.50991	0.005210	0.499797	0.52022
##	1.968	4617	1	0.50980	0.005210	0.499687	0.52011
##	1.968	4616	4	0.50935	0.005210	0.499245	0.51967
##	1.968	4612	9	0.50836	0.005210	0.498250	0.51868
##	1.968	4603	11	0.50715	0.005211	0.497035	0.51746

##	1.968	4590	11	0.50593	0.005211	0.495819	0.51625
##	1.969	4578	7	0.50516	0.005211	0.495045	0.51547
##	1.969	4571	3	0.50482	0.005211	0.494713	0.51514
##	1.969	4568	2	0.50460	0.005211	0.494492	0.51492
##	1.969	4566	2	0.50438	0.005211	0.494271	0.51470
##	1.969	4564	1	0.50427	0.005211	0.494161	0.51459
##	1.969	4563	2	0.50405	0.005211	0.493940	0.51437
##	1.970	4560	1	0.50394	0.005212	0.493829	0.51426
##	1.970	4559	2	0.50372	0.005212	0.493608	0.51404
##	1.970	4557	2	0.50350	0.005212	0.493387	0.51382
##	1.972	4554	1	0.50339	0.005212	0.493276	0.51371
##	1.972	4553	1	0.50328	0.005212	0.493166	0.51360
##	1.973	4552	1	0.50317	0.005212	0.493055	0.51349
##	1.973	4551	1	0.50306	0.005212	0.492944	0.51338
##	1.974	4550	1	0.50295	0.005212	0.492834	0.51326
##	1.974	4549	1	0.50284	0.005212	0.492723	0.51315
##	1.975	4548	1	0.50272	0.005212	0.492613	0.51304
##	1.976	4547	1	0.50261	0.005212	0.492502	0.51293
##	1.978	4546	1	0.50250	0.005212	0.492391	0.51282
##	1.985	4545	6	0.50184	0.005212	0.491728	0.51216
##	1.985	4539	5	0.50129	0.005212	0.491175	0.51161
##	1.985	4534	18	0.49930	0.005213	0.489185	0.50962
##	1.985	4516	13	0.49786	0.005213	0.487747	0.50818
##	1.985	4502	6	0.49720	0.005213	0.487084	0.50752
##	1.985	4495	8	0.49631	0.005213	0.486199	0.50663
##	1.986	4487	1	0.49620	0.005213	0.486088	0.50652
##	1.986	4486	3	0.49587	0.005213	0.485756	0.50619
##	1.986	4483	3	0.49554	0.005213	0.485424	0.50586
##	1.986	4480	3	0.49521	0.005213	0.485093	0.50553
##	1.986	4477	1	0.49509	0.005213	0.484982	0.50542
##	1.986	4476	1	0.49498	0.005213	0.484871	0.50531
##	1.986	4475	1	0.49487	0.005213	0.484761	0.50520
##	1.988	4474	1	0.49476	0.005213	0.484650	0.50509
##	1.988	4473	1	0.49465	0.005213	0.484540	0.50498
##	1.988	4472	1	0.49454	0.005213	0.484429	0.50487
##	1.989	4471	1	0.49443	0.005213	0.484318	0.50475
##	1.990	4470	1	0.49432	0.005213	0.484208	0.50464
##	1.994	4468	1	0.49421	0.005213	0.484097	0.50453
##	1.994	4467	1	0.49410	0.005213	0.483987	0.50442
##	1.996	4466	1	0.49399	0.005213	0.483876	0.50431
##	2.001	4465	1	0.49388	0.005213	0.483765	0.50420
##	2.001	4464	2	0.49366	0.005213	0.483544	0.50398
##	2.002	4462	1	0.49355	0.005213	0.483433	0.50387
##	2.002	4460	6	0.49288	0.005213	0.482770	0.50321
##	2.002	4454	9	0.49189	0.005213	0.481774	0.50221
##	2.002	4444	11	0.49067	0.005213	0.480557	0.50099
##	2.002	4432	12	0.48934	0.005213	0.479228	0.49967
##	2.002	4418	3	0.48901	0.005213	0.478896	0.49933
##	2.002	4415	4	0.48856	0.005213	0.478453	0.49889
##	2.002	4411	1	0.48845	0.005213	0.478342	0.49878
##	2.002	4410	2	0.48823	0.005213	0.478121	0.49856
##	2.002	4408	2	0.48801	0.005213	0.477900	0.49834
##	2.002	4406	3	0.48768	0.005213	0.477567	0.49800
##	2.003	4403	3	0.48735	0.005213	0.477235	0.49767

##	2.003	4400	2	0.48712	0.005213	0.477014	0.49745
##	2.003	4398	1	0.48701	0.005213	0.476903	0.49734
##	2.003	4397	3	0.48668	0.005213	0.476571	0.49701
##	2.004	4394	1	0.48657	0.005213	0.476460	0.49690
##	2.005	4393	1	0.48646	0.005213	0.476350	0.49679
##	2.005	4392	1	0.48635	0.005213	0.476239	0.49667
##	2.005	4391	2	0.48613	0.005213	0.476017	0.49645
##	2.006	4388	1	0.48602	0.005213	0.475907	0.49634
##	2.007	4387	1	0.48591	0.005213	0.475796	0.49623
##	2.010	4386	1	0.48580	0.005213	0.475685	0.49612
##	2.018	4384	1	0.48568	0.005213	0.475574	0.49601
##	2.018	4383	1	0.48557	0.005213	0.475464	0.49590
##	2.018	4382	5	0.48502	0.005213	0.474910	0.49535
##	2.018	4377	4	0.48458	0.005213	0.474467	0.49490
##	2.018	4372	9	0.48358	0.005213	0.473470	0.49390
##	2.019	4361	8	0.48269	0.005213	0.472583	0.49302
##	2.019	4352	2	0.48247	0.005212	0.472361	0.49280
##	2.019	4349	3	0.48214	0.005212	0.472029	0.49246
##	2.019	4346	1	0.48203	0.005212	0.471918	0.49235
##	2.019	4345	1	0.48192	0.005212	0.471807	0.49224
##	2.019	4343	2	0.48169	0.005212	0.471585	0.49202
##	2.019	4341	2	0.48147	0.005212	0.471363	0.49180
##	2.020	4339	1	0.48136	0.005212	0.471252	0.49169
##	2.020	4338	2	0.48114	0.005212	0.471031	0.49146
##	2.020	4336	1	0.48103	0.005212	0.470920	0.49135
##	2.020	4335	1	0.48092	0.005212	0.470809	0.49124
##	2.020	4334	1	0.48081	0.005212	0.470698	0.49113
##	2.021	4333	1	0.48069	0.005212	0.470587	0.49102
##	2.022	4332	1	0.48058	0.005212	0.470476	0.49091
##	2.022	4331	3	0.48025	0.005212	0.470143	0.49058
##	2.024	4328	1	0.48014	0.005212	0.470033	0.49046
##	2.028	4327	1	0.48003	0.005212	0.469922	0.49035
##	2.035	4326	1	0.47992	0.005212	0.469811	0.49024
##	2.035	4325	2	0.47970	0.005212	0.469589	0.49002
##	2.035	4323	3	0.47936	0.005212	0.469256	0.48969
##	2.035	4320	5	0.47881	0.005212	0.468702	0.48913
##	2.035	4314	10	0.47770	0.005211	0.467593	0.48802
##	2.035	4303	10	0.47659	0.005211	0.466483	0.48691
##	2.035	4293	3	0.47626	0.005211	0.466151	0.48658
##	2.035	4290	4	0.47581	0.005211	0.465707	0.48614
##	2.036	4286	2	0.47559	0.005211	0.465485	0.48591
##	2.036	4284	2	0.47537	0.005211	0.465263	0.48569
##	2.036	4282	4	0.47492	0.005211	0.464820	0.48525
##	2.037	4277	1	0.47481	0.005211	0.464709	0.48514
##	2.039	4276	1	0.47470	0.005211	0.464598	0.48502
##	2.039	4275	1	0.47459	0.005211	0.464487	0.48491
##	2.039	4274	1	0.47448	0.005211	0.464376	0.48480
##	2.039	4273	1	0.47437	0.005210	0.464265	0.48469
##	2.042	4272	1	0.47426	0.005210	0.464154	0.48458
##	2.043	4271	1	0.47415	0.005210	0.464043	0.48447
##	2.051	4270	1	0.47403	0.005210	0.463932	0.48436
##	2.052	4268	4	0.47359	0.005210	0.463488	0.48391
##	2.052	4264	14	0.47204	0.005210	0.461935	0.48236
##	2.052	4248	3	0.47170	0.005210	0.461602	0.48202

##	2.052	4244	5	0.47115	0.005209	0.461046	0.48147
##	2.052	4239	1	0.47104	0.005209	0.460935	0.48136
##	2.053	4238	1	0.47092	0.005209	0.460824	0.48125
##	2.053	4237	4	0.47048	0.005209	0.460380	0.48080
##	2.053	4233	1	0.47037	0.005209	0.460269	0.48069
##	2.053	4232	1	0.47026	0.005209	0.460158	0.48058
##	2.053	4231	1	0.47015	0.005209	0.460047	0.48047
##	2.053	4230	2	0.46992	0.005209	0.459825	0.48024
##	2.053	4228	1	0.46981	0.005209	0.459714	0.48013
##	2.054	4227	2	0.46959	0.005209	0.459492	0.47991
##	2.054	4225	1	0.46948	0.005209	0.459381	0.47980
##	2.054	4224	1	0.46937	0.005209	0.459270	0.47969
##	2.055	4222	2	0.46915	0.005209	0.459048	0.47947
##	2.055	4220	1	0.46903	0.005208	0.458937	0.47936
##	2.057	4219	1	0.46892	0.005208	0.458826	0.47924
##	2.057	4218	1	0.46881	0.005208	0.458715	0.47913
##	2.059	4217	1	0.46870	0.005208	0.458604	0.47902
##	2.068	4216	1	0.46859	0.005208	0.458492	0.47891
##	2.068	4215	2	0.46837	0.005208	0.458270	0.47869
##	2.068	4213	7	0.46759	0.005208	0.457493	0.47791
##	2.068	4206	8	0.46670	0.005207	0.456605	0.47702
##	2.068	4198	5	0.46614	0.005207	0.456049	0.47646
##	2.069	4189	13	0.46470	0.005206	0.454605	0.47501
##	2.069	4175	8	0.46381	0.005206	0.453715	0.47412
##	2.069	4167	5	0.46325	0.005206	0.453159	0.47357
##	2.069	4160	4	0.46281	0.005205	0.452715	0.47312
##	2.069	4156	1	0.46269	0.005205	0.452603	0.47301
##	2.069	4154	1	0.46258	0.005205	0.452492	0.47290
##	2.069	4153	2	0.46236	0.005205	0.452270	0.47268
##	2.069	4151	1	0.46225	0.005205	0.452158	0.47256
##	2.070	4150	1	0.46214	0.005205	0.452047	0.47245
##	2.071	4149	1	0.46203	0.005205	0.451936	0.47234
##	2.072	4148	1	0.46191	0.005205	0.451825	0.47223
##	2.074	4147	1	0.46180	0.005205	0.451713	0.47212
##	2.075	4146	1	0.46169	0.005205	0.451602	0.47201
##	2.075	4145	1	0.46158	0.005205	0.451491	0.47189
##	2.075	4144	1	0.46147	0.005205	0.451380	0.47178
##	2.076	4143	1	0.46136	0.005205	0.451269	0.47167
##	2.079	4142	1	0.46125	0.005204	0.451157	0.47156
##	2.079	4141	1	0.46113	0.005204	0.451046	0.47145
##	2.085	4140	1	0.46102	0.005204	0.450935	0.47134
##	2.085	4139	3	0.46069	0.005204	0.450601	0.47100
##	2.085	4136	4	0.46024	0.005204	0.450156	0.47056
##	2.085	4132	2	0.46002	0.005204	0.449934	0.47033
##	2.085	4128	9	0.45902	0.005203	0.448932	0.46933
##	2.085	4118	7	0.45824	0.005203	0.448153	0.46855
##	2.085	4110	5	0.45768	0.005202	0.447596	0.46799
##	2.086	4105	1	0.45757	0.005202	0.447485	0.46788
##	2.086	4104	2	0.45735	0.005202	0.447262	0.46766
##	2.086	4102	3	0.45701	0.005202	0.446928	0.46732
##	2.086	4099	2	0.45679	0.005202	0.446706	0.46710
##	2.086	4097	1	0.45668	0.005202	0.446595	0.46699
##	2.086	4096	1	0.45657	0.005202	0.446483	0.46687
##	2.086	4095	1	0.45645	0.005201	0.446372	0.46676

##	2.087	4093	1	0.45634	0.005201	0.446261	0.46665
##	2.087	4092	1	0.45623	0.005201	0.446149	0.46654
##	2.087	4091	1	0.45612	0.005201	0.446038	0.46643
##	2.088	4090	1	0.45601	0.005201	0.445926	0.46632
##	2.088	4089	1	0.45590	0.005201	0.445815	0.46620
##	2.089	4088	1	0.45578	0.005201	0.445704	0.46609
##	2.090	4087	2	0.45556	0.005201	0.445481	0.46587
##	2.090	4085	1	0.45545	0.005201	0.445370	0.46576
##	2.090	4084	1	0.45534	0.005201	0.445258	0.46565
##	2.091	4083	1	0.45523	0.005201	0.445147	0.46553
##	2.102	4080	1	0.45512	0.005201	0.445036	0.46542
##	2.102	4079	1	0.45500	0.005200	0.444924	0.46531
##	2.102	4077	3	0.45467	0.005200	0.444590	0.46498
##	2.102	4073	5	0.45411	0.005200	0.444033	0.46442
##	2.102	4067	13	0.45266	0.005199	0.442584	0.46296
##	2.102	4054	6	0.45199	0.005198	0.441915	0.46229
##	2.102	4048	3	0.45165	0.005198	0.441580	0.46196
##	2.102	4045	3	0.45132	0.005198	0.441246	0.46162
##	2.102	4042	1	0.45121	0.005198	0.441135	0.46151
##	2.103	4041	1	0.45110	0.005198	0.441023	0.46140
##	2.103	4040	1	0.45098	0.005198	0.440912	0.46129
##	2.104	4038	1	0.45087	0.005197	0.440800	0.46118
##	2.106	4037	1	0.45076	0.005197	0.440689	0.46106
##	2.106	4035	1	0.45065	0.005197	0.440577	0.46095
##	2.107	4034	1	0.45054	0.005197	0.440466	0.46084
##	2.108	4033	1	0.45043	0.005197	0.440354	0.46073
##	2.110	4032	1	0.45031	0.005197	0.440243	0.46062
##	2.113	4031	1	0.45020	0.005197	0.440131	0.46050
##	2.118	4030	1	0.45009	0.005197	0.440020	0.46039
##	2.118	4027	4	0.44964	0.005196	0.439573	0.45994
##	2.118	4023	4	0.44920	0.005196	0.439127	0.45950
##	2.119	4019	5	0.44864	0.005196	0.438569	0.45894
##	2.119	4013	7	0.44786	0.005195	0.437788	0.45815
##	2.119	4004	8	0.44696	0.005194	0.436895	0.45726
##	2.119	3995	2	0.44674	0.005194	0.436672	0.45703
##	2.119	3993	2	0.44651	0.005194	0.436448	0.45681
##	2.119	3989	1	0.44640	0.005194	0.436337	0.45670
##	2.119	3988	1	0.44629	0.005194	0.436225	0.45659
##	2.119	3987	1	0.44618	0.005194	0.436113	0.45647
##	2.120	3986	2	0.44595	0.005193	0.435890	0.45625
##	2.121	3984	1	0.44584	0.005193	0.435778	0.45614
##	2.122	3983	1	0.44573	0.005193	0.435666	0.45602
##	2.122	3982	1	0.44562	0.005193	0.435554	0.45591
##	2.122	3981	1	0.44551	0.005193	0.435443	0.45580
##	2.123	3980	2	0.44528	0.005193	0.435219	0.45558
##	2.126	3978	1	0.44517	0.005193	0.435108	0.45546
##	2.126	3977	1	0.44506	0.005193	0.434996	0.45535
##	2.130	3976	1	0.44495	0.005192	0.434884	0.45524
##	2.135	3975	2	0.44472	0.005192	0.434661	0.45502
##	2.135	3972	4	0.44427	0.005192	0.434214	0.45457
##	2.135	3968	7	0.44349	0.005191	0.433432	0.45378
##	2.135	3961	13	0.44203	0.005190	0.431979	0.45232
##	2.135	3948	7	0.44125	0.005189	0.431197	0.45154
##	2.135	3941	6	0.44058	0.005188	0.430527	0.45087

##	2.136	3935	2	0.44036	0.005188	0.430303	0.45064
##	2.136	3933	1	0.44024	0.005188	0.430191	0.45053
##	2.136	3932	1	0.44013	0.005188	0.430080	0.45042
##	2.136	3931	2	0.43991	0.005188	0.429856	0.45019
##	2.136	3927	3	0.43957	0.005187	0.429521	0.44986
##	2.136	3923	1	0.43946	0.005187	0.429409	0.44974
##	2.136	3922	1	0.43935	0.005187	0.429297	0.44963
##	2.136	3921	1	0.43924	0.005187	0.429186	0.44952
##	2.137	3920	1	0.43912	0.005187	0.429074	0.44941
##	2.138	3919	1	0.43901	0.005187	0.428962	0.44930
##	2.139	3918	1	0.43890	0.005187	0.428850	0.44918
##	2.140	3917	1	0.43879	0.005187	0.428738	0.44907
##	2.140	3916	1	0.43867	0.005186	0.428626	0.44896
##	2.140	3915	1	0.43856	0.005186	0.428515	0.44885
##	2.141	3914	1	0.43845	0.005186	0.428403	0.44873
##	2.142	3913	1	0.43834	0.005186	0.428291	0.44862
##	2.147	3911	1	0.43823	0.005186	0.428179	0.44851
##	2.151	3910	1	0.43811	0.005186	0.428067	0.44840
##	2.151	3909	2	0.43789	0.005186	0.427844	0.44817
##	2.152	3907	2	0.43767	0.005185	0.427620	0.44795
##	2.152	3905	5	0.43711	0.005185	0.427061	0.44739
##	2.152	3900	6	0.43643	0.005184	0.426390	0.44671
##	2.152	3894	5	0.43587	0.005184	0.425831	0.44615
##	2.152	3888	13	0.43442	0.005182	0.424377	0.44469
##	2.152	3875	9	0.43341	0.005181	0.423371	0.44368
##	2.152	3866	5	0.43285	0.005180	0.422811	0.44312
##	2.152	3861	1	0.43273	0.005180	0.422700	0.44301
##	2.153	3860	1	0.43262	0.005180	0.422588	0.44289
##	2.153	3859	2	0.43240	0.005180	0.422364	0.44267
##	2.153	3857	1	0.43229	0.005180	0.422252	0.44256
##	2.153	3856	1	0.43217	0.005179	0.422140	0.44245
##	2.153	3855	1	0.43206	0.005179	0.422029	0.44233
##	2.154	3854	1	0.43195	0.005179	0.421917	0.44222
##	2.155	3852	1	0.43184	0.005179	0.421805	0.44211
##	2.155	3851	1	0.43173	0.005179	0.421693	0.44200
##	2.155	3850	1	0.43161	0.005179	0.421581	0.44188
##	2.156	3849	1	0.43150	0.005179	0.421469	0.44177
##	2.156	3848	1	0.43139	0.005178	0.421357	0.44166
##	2.156	3847	1	0.43128	0.005178	0.421246	0.44155
##	2.157	3846	1	0.43116	0.005178	0.421134	0.44143
##	2.157	3845	1	0.43105	0.005178	0.421022	0.44132
##	2.158	3844	1	0.43094	0.005178	0.420910	0.44121
##	2.158	3843	1	0.43083	0.005178	0.420798	0.44110
##	2.159	3842	1	0.43072	0.005178	0.420686	0.44098
##	2.168	3841	3	0.43038	0.005177	0.420351	0.44065
##	2.168	3838	5	0.42982	0.005177	0.419792	0.44009
##	2.168	3832	6	0.42915	0.005176	0.419120	0.43941
##	2.169	3825	8	0.42825	0.005175	0.418225	0.43851
##	2.169	3817	9	0.42724	0.005173	0.417218	0.43750
##	2.169	3808	2	0.42701	0.005173	0.416994	0.43727
##	2.169	3805	9	0.42600	0.005172	0.415987	0.43626
##	2.169	3796	3	0.42567	0.005171	0.415651	0.43592
##	2.169	3793	2	0.42544	0.005171	0.415427	0.43570
##	2.169	3791	2	0.42522	0.005171	0.415204	0.43547

##	2.169	3788	4	0.42477	0.005170	0.414756	0.43502
##	2.170	3784	1	0.42466	0.005170	0.414644	0.43491
##	2.170	3783	1	0.42454	0.005170	0.414532	0.43480
##	2.171	3781	1	0.42443	0.005170	0.414420	0.43469
##	2.171	3780	1	0.42432	0.005170	0.414308	0.43457
##	2.172	3779	1	0.42421	0.005169	0.414196	0.43446
##	2.172	3778	1	0.42410	0.005169	0.414084	0.43435
##	2.174	3777	2	0.42387	0.005169	0.413860	0.43412
##	2.174	3774	1	0.42376	0.005169	0.413748	0.43401
##	2.176	3773	1	0.42365	0.005169	0.413636	0.43390
##	2.177	3771	1	0.42353	0.005169	0.413524	0.43379
##	2.178	3770	1	0.42342	0.005168	0.413412	0.43367
##	2.185	3769	1	0.42331	0.005168	0.413300	0.43356
##	2.185	3768	1	0.42320	0.005168	0.413188	0.43345
##	2.185	3767	3	0.42286	0.005168	0.412852	0.43311
##	2.185	3764	5	0.42230	0.005167	0.412292	0.43255
##	2.185	3759	11	0.42106	0.005165	0.411060	0.43131
##	2.185	3748	7	0.42028	0.005164	0.410276	0.43052
##	2.186	3741	2	0.42005	0.005164	0.410052	0.43030
##	2.186	3739	1	0.41994	0.005164	0.409940	0.43018
##	2.186	3738	1	0.41983	0.005163	0.409828	0.43007
##	2.188	3735	1	0.41971	0.005163	0.409716	0.42996
##	2.189	3734	1	0.41960	0.005163	0.409604	0.42984
##	2.189	3733	1	0.41949	0.005163	0.409491	0.42973
##	2.190	3732	2	0.41926	0.005163	0.409267	0.42951
##	2.190	3730	1	0.41915	0.005163	0.409155	0.42939
##	2.191	3729	1	0.41904	0.005162	0.409043	0.42928
##	2.192	3728	1	0.41893	0.005162	0.408931	0.42917
##	2.192	3727	1	0.41882	0.005162	0.408819	0.42906
##	2.192	3726	1	0.41870	0.005162	0.408707	0.42894
##	2.192	3725	1	0.41859	0.005162	0.408595	0.42883
##	2.193	3724	1	0.41848	0.005162	0.408483	0.42872
##	2.194	3723	1	0.41837	0.005161	0.408371	0.42861
##	2.194	3722	1	0.41825	0.005161	0.408259	0.42849
##	2.195	3721	1	0.41814	0.005161	0.408147	0.42838
##	2.201	3720	1	0.41803	0.005161	0.408035	0.42827
##	2.202	3718	3	0.41769	0.005160	0.407698	0.42793
##	2.202	3715	7	0.41690	0.005159	0.406914	0.42714
##	2.202	3707	8	0.41600	0.005158	0.406017	0.42624
##	2.202	3699	8	0.41510	0.005157	0.405120	0.42534
##	2.202	3689	3	0.41477	0.005156	0.404784	0.42500
##	2.202	3686	5	0.41420	0.005155	0.404223	0.42443
##	2.203	3681	3	0.41387	0.005155	0.403886	0.42409
##	2.203	3678	1	0.41375	0.005154	0.403774	0.42398
##	2.203	3677	3	0.41342	0.005154	0.403438	0.42364
##	2.203	3674	2	0.41319	0.005154	0.403213	0.42342
##	2.203	3672	1	0.41308	0.005153	0.403101	0.42330
##	2.203	3671	2	0.41285	0.005153	0.402877	0.42308
##	2.204	3669	1	0.41274	0.005153	0.402765	0.42297
##	2.204	3668	1	0.41263	0.005153	0.402653	0.42285
##	2.205	3667	1	0.41252	0.005153	0.402540	0.42274
##	2.206	3666	1	0.41240	0.005152	0.402428	0.42263
##	2.206	3665	1	0.41229	0.005152	0.402316	0.42251
##	2.207	3664	1	0.41218	0.005152	0.402204	0.42240

##	2.207	3663	1	0.41207	0.005152	0.402092	0.42229
##	2.207	3662	1	0.41195	0.005152	0.401980	0.42218
##	2.208	3661	1	0.41184	0.005151	0.401867	0.42206
##	2.209	3660	1	0.41173	0.005151	0.401755	0.42195
##	2.211	3659	1	0.41162	0.005151	0.401643	0.42184
##	2.218	3658	3	0.41128	0.005151	0.401307	0.42150
##	2.218	3655	4	0.41083	0.005150	0.400858	0.42105
##	2.219	3651	7	0.41004	0.005149	0.400073	0.42026
##	2.219	3644	3	0.40970	0.005148	0.399737	0.41992
##	2.219	3641	11	0.40847	0.005146	0.398503	0.41868
##	2.219	3628	4	0.40802	0.005145	0.398054	0.41823
##	2.219	3623	3	0.40768	0.005145	0.397718	0.41789
##	2.219	3618	1	0.40756	0.005144	0.397605	0.41777
##	2.219	3617	1	0.40745	0.005144	0.397493	0.41766
##	2.220	3615	2	0.40723	0.005144	0.397269	0.41743
##	2.220	3612	1	0.40711	0.005144	0.397156	0.41732
##	2.221	3611	1	0.40700	0.005144	0.397044	0.41721
##	2.221	3610	1	0.40689	0.005143	0.396932	0.41710
##	2.223	3609	1	0.40678	0.005143	0.396819	0.41698
##	2.224	3608	1	0.40666	0.005143	0.396707	0.41687
##	2.226	3607	1	0.40655	0.005143	0.396594	0.41676
##	2.226	3606	1	0.40644	0.005143	0.396482	0.41664
##	2.229	3604	1	0.40632	0.005142	0.396370	0.41653
##	2.229	3603	1	0.40621	0.005142	0.396257	0.41642
##	2.235	3602	2	0.40599	0.005142	0.396033	0.41619
##	2.235	3600	5	0.40542	0.005141	0.395471	0.41562
##	2.235	3595	5	0.40486	0.005140	0.394909	0.41506
##	2.235	3589	3	0.40452	0.005139	0.394572	0.41472
##	2.235	3586	2	0.40429	0.005139	0.394347	0.41449
##	2.235	3584	5	0.40373	0.005138	0.393785	0.41393
##	2.236	3579	7	0.40294	0.005137	0.392998	0.41314
##	2.236	3572	2	0.40272	0.005136	0.392773	0.41291
##	2.236	3570	2	0.40249	0.005136	0.392549	0.41268
##	2.236	3568	1	0.40238	0.005136	0.392436	0.41257
##	2.236	3567	1	0.40226	0.005135	0.392324	0.41246
##	2.236	3566	1	0.40215	0.005135	0.392212	0.41234
##	2.237	3565	1	0.40204	0.005135	0.392099	0.41223
##	2.237	3564	3	0.40170	0.005134	0.391762	0.41189
##	2.237	3561	1	0.40159	0.005134	0.391650	0.41178
##	2.238	3560	1	0.40147	0.005134	0.391537	0.41166
##	2.239	3559	1	0.40136	0.005134	0.391425	0.41155
##	2.239	3558	1	0.40125	0.005134	0.391312	0.41144
##	2.239	3557	1	0.40114	0.005133	0.391200	0.41132
##	2.240	3556	1	0.40102	0.005133	0.391088	0.41121
##	2.242	3554	1	0.40091	0.005133	0.390975	0.41110
##	2.252	3553	1	0.40080	0.005133	0.390863	0.41098
##	2.252	3551	5	0.40023	0.005132	0.390301	0.41042
##	2.252	3545	1	0.40012	0.005131	0.390188	0.41031
##	2.252	3544	5	0.39956	0.005130	0.389626	0.40974
##	2.252	3539	9	0.39854	0.005129	0.388614	0.40872
##	2.252	3530	3	0.39820	0.005128	0.388276	0.40838
##	2.252	3527	2	0.39798	0.005128	0.388051	0.40815
##	2.252	3525	4	0.39752	0.005127	0.387601	0.40770
##	2.252	3521	1	0.39741	0.005126	0.387489	0.40759

##	2.253	3520	1	0.39730	0.005126	0.387377	0.40747
##	2.253	3518	2	0.39707	0.005126	0.387152	0.40725
##	2.253	3516	2	0.39685	0.005125	0.386927	0.40702
##	2.254	3514	2	0.39662	0.005125	0.386702	0.40679
##	2.255	3512	1	0.39651	0.005125	0.386589	0.40668
##	2.255	3511	2	0.39628	0.005124	0.386364	0.40645
##	2.256	3509	1	0.39617	0.005124	0.386252	0.40634
##	2.256	3508	1	0.39606	0.005124	0.386139	0.40623
##	2.256	3507	1	0.39594	0.005124	0.386027	0.40611
##	2.257	3506	1	0.39583	0.005123	0.385914	0.40600
##	2.257	3505	1	0.39572	0.005123	0.385802	0.40589
##	2.257	3504	1	0.39560	0.005123	0.385689	0.40577
##	2.258	3503	1	0.39549	0.005123	0.385577	0.40566
##	2.258	3502	1	0.39538	0.005123	0.385464	0.40555
##	2.260	3501	1	0.39527	0.005122	0.385352	0.40543
##	2.260	3500	1	0.39515	0.005122	0.385239	0.40532
##	2.268	3499	1	0.39504	0.005122	0.385127	0.40521
##	2.268	3497	2	0.39481	0.005121	0.384902	0.40498
##	2.268	3495	2	0.39459	0.005121	0.384677	0.40475
##	2.268	3493	3	0.39425	0.005120	0.384339	0.40441
##	2.269	3489	4	0.39380	0.005119	0.383889	0.40396
##	2.269	3484	5	0.39323	0.005118	0.383326	0.40339
##	2.269	3478	6	0.39255	0.005117	0.382651	0.40271
##	2.269	3472	3	0.39221	0.005116	0.382313	0.40237
##	2.269	3469	2	0.39199	0.005116	0.382088	0.40214
##	2.269	3467	1	0.39187	0.005116	0.381975	0.40203
##	2.270	3466	1	0.39176	0.005115	0.381863	0.40192
##	2.270	3465	1	0.39165	0.005115	0.381750	0.40180
##	2.270	3464	1	0.39154	0.005115	0.381637	0.40169
##	2.270	3463	2	0.39131	0.005115	0.381412	0.40146
##	2.271	3460	1	0.39120	0.005114	0.381300	0.40135
##	2.271	3459	2	0.39097	0.005114	0.381074	0.40112
##	2.272	3457	1	0.39086	0.005114	0.380962	0.40101
##	2.272	3456	1	0.39074	0.005113	0.380849	0.40090
##	2.273	3455	1	0.39063	0.005113	0.380736	0.40078
##	2.273	3454	1	0.39052	0.005113	0.380624	0.40067
##	2.274	3453	1	0.39040	0.005113	0.380511	0.40055
##	2.275	3452	1	0.39029	0.005112	0.380399	0.40044
##	2.276	3451	1	0.39018	0.005112	0.380286	0.40033
##	2.277	3450	1	0.39007	0.005112	0.380173	0.40021
##	2.278	3449	1	0.38995	0.005112	0.380061	0.40010
##	2.279	3448	1	0.38984	0.005112	0.379948	0.39999
##	2.280	3447	1	0.38973	0.005111	0.379836	0.39987
##	2.285	3446	1	0.38961	0.005111	0.379723	0.39976
##	2.285	3445	1	0.38950	0.005111	0.379610	0.39965
##	2.285	3444	1	0.38939	0.005111	0.379498	0.39953
##	2.285	3443	5	0.38882	0.005109	0.378935	0.39897
##	2.285	3437	2	0.38859	0.005109	0.378709	0.39874
##	2.285	3434	6	0.38792	0.005108	0.378033	0.39806
##	2.285	3427	4	0.38746	0.005107	0.377582	0.39760
##	2.286	3423	3	0.38712	0.005106	0.377244	0.39726
##	2.286	3419	1	0.38701	0.005106	0.377132	0.39715
##	2.286	3418	1	0.38690	0.005105	0.377019	0.39703
##	2.286	3417	1	0.38678	0.005105	0.376906	0.39692

##	2.286	3416	3	0.38644	0.005104	0.376568	0.39658
##	2.286	3413	3	0.38610	0.005104	0.376230	0.39624
##	2.286	3410	1	0.38599	0.005104	0.376117	0.39612
##	2.286	3409	1	0.38588	0.005103	0.376004	0.39601
##	2.286	3408	3	0.38554	0.005103	0.375666	0.39567
##	2.287	3405	1	0.38543	0.005102	0.375553	0.39556
##	2.287	3404	1	0.38531	0.005102	0.375441	0.39544
##	2.287	3403	1	0.38520	0.005102	0.375328	0.39533
##	2.288	3402	1	0.38509	0.005102	0.375215	0.39522
##	2.288	3401	1	0.38497	0.005101	0.375102	0.39510
##	2.290	3400	1	0.38486	0.005101	0.374990	0.39499
##	2.291	3399	1	0.38475	0.005101	0.374877	0.39487
##	2.291	3398	1	0.38463	0.005101	0.374764	0.39476
##	2.291	3397	1	0.38452	0.005100	0.374652	0.39465
##	2.293	3396	1	0.38441	0.005100	0.374539	0.39453
##	2.295	3395	1	0.38429	0.005100	0.374426	0.39442
##	2.301	3394	1	0.38418	0.005100	0.374313	0.39431
##	2.302	3393	4	0.38373	0.005099	0.373863	0.39385
##	2.302	3389	1	0.38361	0.005098	0.373750	0.39374
##	2.302	3388	2	0.38339	0.005098	0.373524	0.39351
##	2.302	3384	2	0.38316	0.005097	0.373299	0.39328
##	2.302	3381	3	0.38282	0.005097	0.372960	0.39294
##	2.302	3376	2	0.38259	0.005096	0.372735	0.39271
##	2.302	3374	1	0.38248	0.005096	0.372622	0.39260
##	2.302	3373	3	0.38214	0.005095	0.372283	0.39226
##	2.303	3370	1	0.38203	0.005095	0.372170	0.39214
##	2.303	3369	2	0.38180	0.005094	0.371944	0.39192
##	2.303	3366	1	0.38169	0.005094	0.371832	0.39180
##	2.303	3365	1	0.38157	0.005094	0.371719	0.39169
##	2.304	3364	1	0.38146	0.005094	0.371606	0.39157
##	2.304	3363	1	0.38135	0.005093	0.371493	0.39146
##	2.304	3362	1	0.38123	0.005093	0.371380	0.39135
##	2.304	3361	1	0.38112	0.005093	0.371267	0.39123
##	2.304	3360	1	0.38101	0.005093	0.371154	0.39112
##	2.305	3358	1	0.38089	0.005092	0.371041	0.39101
##	2.305	3357	3	0.38055	0.005092	0.370702	0.39066
##	2.306	3354	1	0.38044	0.005091	0.370589	0.39055
##	2.306	3353	1	0.38033	0.005091	0.370476	0.39044
##	2.307	3352	1	0.38021	0.005091	0.370364	0.39032
##	2.308	3351	1	0.38010	0.005091	0.370251	0.39021
##	2.309	3350	1	0.37998	0.005090	0.370138	0.39009
##	2.318	3349	1	0.37987	0.005090	0.370025	0.38998
##	2.318	3348	3	0.37953	0.005089	0.369686	0.38964
##	2.319	3345	2	0.37930	0.005089	0.369460	0.38941
##	2.319	3343	3	0.37896	0.005088	0.369121	0.38907
##	2.319	3340	4	0.37851	0.005087	0.368670	0.38861
##	2.319	3336	3	0.37817	0.005086	0.368331	0.38827
##	2.319	3333	1	0.37806	0.005086	0.368218	0.38816
##	2.319	3332	2	0.37783	0.005085	0.367992	0.38793
##	2.319	3330	2	0.37760	0.005085	0.367766	0.38770
##	2.320	3328	2	0.37738	0.005084	0.367540	0.38747
##	2.320	3326	1	0.37726	0.005084	0.367427	0.38736
##	2.320	3325	1	0.37715	0.005084	0.367314	0.38725
##	2.321	3323	1	0.37703	0.005084	0.367202	0.38713

##	2.321	3321	1	0.37692	0.005083	0.367089	0.38702
##	2.321	3320	1	0.37681	0.005083	0.366976	0.38690
##	2.321	3319	1	0.37669	0.005083	0.366863	0.38679
##	2.321	3318	1	0.37658	0.005083	0.366750	0.38668
##	2.323	3316	1	0.37647	0.005082	0.366637	0.38656
##	2.324	3315	1	0.37635	0.005082	0.366524	0.38645
##	2.324	3314	1	0.37624	0.005082	0.366410	0.38633
##	2.324	3313	1	0.37613	0.005082	0.366297	0.38622
##	2.324	3312	1	0.37601	0.005081	0.366184	0.38610
##	2.325	3310	1	0.37590	0.005081	0.366071	0.38599
##	2.325	3309	1	0.37579	0.005081	0.365958	0.38588
##	2.325	3308	1	0.37567	0.005080	0.365845	0.38576
##	2.325	3307	1	0.37556	0.005080	0.365732	0.38565
##	2.326	3306	1	0.37544	0.005080	0.365619	0.38553
##	2.327	3305	1	0.37533	0.005080	0.365506	0.38542
##	2.335	3304	1	0.37522	0.005079	0.365393	0.38531
##	2.335	3303	2	0.37499	0.005079	0.365167	0.38508
##	2.335	3301	4	0.37454	0.005078	0.364715	0.38462
##	2.335	3295	2	0.37431	0.005077	0.364489	0.38439
##	2.336	3292	5	0.37374	0.005076	0.363923	0.38382
##	2.336	3286	4	0.37329	0.005075	0.363470	0.38337
##	2.336	3282	2	0.37306	0.005074	0.363244	0.38314
##	2.336	3280	1	0.37294	0.005074	0.363131	0.38302
##	2.336	3279	1	0.37283	0.005074	0.363017	0.38291
##	2.336	3278	1	0.37272	0.005073	0.362904	0.38279
##	2.337	3277	1	0.37260	0.005073	0.362791	0.38268
##	2.337	3276	1	0.37249	0.005073	0.362678	0.38257
##	2.338	3275	1	0.37238	0.005073	0.362565	0.38245
##	2.338	3274	1	0.37226	0.005072	0.362452	0.38234
##	2.339	3272	1	0.37215	0.005072	0.362338	0.38222
##	2.339	3271	1	0.37203	0.005072	0.362225	0.38211
##	2.340	3270	2	0.37181	0.005071	0.361999	0.38188
##	2.340	3268	1	0.37169	0.005071	0.361886	0.38177
##	2.340	3267	1	0.37158	0.005071	0.361772	0.38165
##	2.341	3266	1	0.37147	0.005070	0.361659	0.38154
##	2.341	3264	1	0.37135	0.005070	0.361546	0.38142
##	2.342	3263	1	0.37124	0.005070	0.361433	0.38131
##	2.343	3262	1	0.37112	0.005070	0.361319	0.38119
##	2.343	3261	1	0.37101	0.005069	0.361206	0.38108
##	2.344	3260	1	0.37090	0.005069	0.361093	0.38097
##	2.345	3259	1	0.37078	0.005069	0.360980	0.38085
##	2.352	3258	2	0.37055	0.005068	0.360753	0.38062
##	2.352	3256	4	0.37010	0.005067	0.360300	0.38017
##	2.352	3251	6	0.36942	0.005065	0.359621	0.37948
##	2.352	3244	6	0.36873	0.005064	0.358941	0.37879
##	2.352	3238	3	0.36839	0.005063	0.358601	0.37845
##	2.352	3233	3	0.36805	0.005062	0.358261	0.37811
##	2.352	3230	2	0.36782	0.005061	0.358034	0.37788
##	2.352	3228	2	0.36759	0.005061	0.357807	0.37765
##	2.353	3225	1	0.36748	0.005061	0.357694	0.37753
##	2.353	3221	2	0.36725	0.005060	0.357467	0.37730
##	2.353	3219	2	0.36702	0.005059	0.357240	0.37708
##	2.353	3217	1	0.36691	0.005059	0.357127	0.37696
##	2.353	3216	1	0.36680	0.005059	0.357013	0.37685

##	2.354	3215	1	0.36668	0.005059	0.356900	0.37673
##	2.356	3214	1	0.36657	0.005058	0.356786	0.37662
##	2.356	3213	1	0.36645	0.005058	0.356673	0.37650
##	2.357	3212	1	0.36634	0.005058	0.356559	0.37639
##	2.357	3211	1	0.36622	0.005057	0.356446	0.37627
##	2.357	3210	1	0.36611	0.005057	0.356332	0.37616
##	2.359	3209	1	0.36600	0.005057	0.356219	0.37604
##	2.363	3208	1	0.36588	0.005057	0.356105	0.37593
##	2.364	3207	1	0.36577	0.005056	0.355992	0.37581
##	2.368	3206	2	0.36554	0.005056	0.355765	0.37558
##	2.368	3204	2	0.36531	0.005055	0.355538	0.37536
##	2.369	3201	2	0.36508	0.005054	0.355311	0.37513
##	2.369	3198	4	0.36463	0.005053	0.354856	0.37467
##	2.369	3194	3	0.36428	0.005052	0.354516	0.37432
##	2.369	3191	6	0.36360	0.005051	0.353834	0.37364
##	2.369	3185	4	0.36314	0.005049	0.353380	0.37318
##	2.369	3181	2	0.36291	0.005049	0.353153	0.37295
##	2.369	3179	1	0.36280	0.005049	0.353039	0.37283
##	2.369	3178	2	0.36257	0.005048	0.352812	0.37260
##	2.369	3176	1	0.36246	0.005048	0.352699	0.37249
##	2.369	3175	1	0.36234	0.005047	0.352585	0.37237
##	2.369	3174	3	0.36200	0.005047	0.352245	0.37203
##	2.370	3171	1	0.36189	0.005046	0.352131	0.37191
##	2.370	3170	1	0.36177	0.005046	0.352017	0.37180
##	2.370	3169	1	0.36166	0.005046	0.351904	0.37168
##	2.371	3168	1	0.36155	0.005045	0.351790	0.37157
##	2.371	3167	1	0.36143	0.005045	0.351677	0.37146
##	2.371	3166	1	0.36132	0.005045	0.351563	0.37134
##	2.372	3164	1	0.36120	0.005044	0.351450	0.37123
##	2.372	3163	1	0.36109	0.005044	0.351336	0.37111
##	2.373	3162	1	0.36097	0.005044	0.351223	0.37100
##	2.374	3159	1	0.36086	0.005043	0.351109	0.37088
##	2.385	3158	1	0.36075	0.005043	0.350995	0.37077
##	2.385	3157	1	0.36063	0.005043	0.350882	0.37065
##	2.385	3156	7	0.35983	0.005041	0.350086	0.36985
##	2.385	3149	4	0.35937	0.005040	0.349632	0.36939
##	2.385	3144	4	0.35892	0.005038	0.349177	0.36893
##	2.385	3140	2	0.35869	0.005038	0.348949	0.36870
##	2.386	3137	4	0.35823	0.005036	0.348495	0.36824
##	2.386	3133	3	0.35789	0.005036	0.348154	0.36789
##	2.386	3130	1	0.35777	0.005035	0.348040	0.36778
##	2.387	3128	1	0.35766	0.005035	0.347926	0.36767
##	2.388	3127	1	0.35755	0.005035	0.347812	0.36755
##	2.388	3126	1	0.35743	0.005034	0.347699	0.36744
##	2.388	3124	2	0.35720	0.005034	0.347471	0.36721
##	2.389	3122	1	0.35709	0.005033	0.347357	0.36709
##	2.389	3121	1	0.35697	0.005033	0.347243	0.36698
##	2.389	3120	1	0.35686	0.005033	0.347130	0.36686
##	2.390	3119	1	0.35674	0.005032	0.347016	0.36675
##	2.390	3118	1	0.35663	0.005032	0.346902	0.36663
##	2.391	3117	1	0.35652	0.005032	0.346788	0.36652
##	2.392	3116	1	0.35640	0.005031	0.346675	0.36640
##	2.395	3115	1	0.35629	0.005031	0.346561	0.36629
##	2.396	3114	1	0.35617	0.005031	0.346447	0.36617

##	2.402	3113	2	0.35594	0.005030	0.346220	0.36594
##	2.402	3110	2	0.35571	0.005030	0.345992	0.36571
##	2.402	3108	4	0.35526	0.005028	0.345537	0.36525
##	2.402	3103	4	0.35480	0.005027	0.345081	0.36479
##	2.402	3099	4	0.35434	0.005026	0.344626	0.36433
##	2.402	3095	2	0.35411	0.005025	0.344398	0.36410
##	2.403	3093	1	0.35400	0.005025	0.344285	0.36398
##	2.403	3092	1	0.35388	0.005024	0.344171	0.36387
##	2.404	3091	1	0.35377	0.005024	0.344057	0.36375
##	2.404	3090	1	0.35365	0.005024	0.343943	0.36364
##	2.404	3089	1	0.35354	0.005024	0.343829	0.36352
##	2.405	3088	1	0.35342	0.005023	0.343715	0.36341
##	2.407	3085	1	0.35331	0.005023	0.343601	0.36329
##	2.407	3084	1	0.35320	0.005023	0.343488	0.36318
##	2.407	3083	1	0.35308	0.005022	0.343374	0.36306
##	2.408	3082	2	0.35285	0.005022	0.343146	0.36283
##	2.408	3080	1	0.35274	0.005021	0.343032	0.36272
##	2.408	3079	1	0.35262	0.005021	0.342918	0.36260
##	2.409	3078	1	0.35251	0.005021	0.342804	0.36249
##	2.410	3077	1	0.35239	0.005020	0.342690	0.36237
##	2.411	3075	1	0.35228	0.005020	0.342576	0.36226
##	2.411	3074	1	0.35216	0.005020	0.342462	0.36214
##	2.412	3073	1	0.35205	0.005019	0.342348	0.36203
##	2.412	3072	1	0.35194	0.005019	0.342234	0.36191
##	2.413	3071	1	0.35182	0.005019	0.342121	0.36180
##	2.413	3070	1	0.35171	0.005018	0.342007	0.36168
##	2.418	3069	2	0.35148	0.005018	0.341779	0.36145
##	2.418	3067	4	0.35102	0.005016	0.341323	0.36099
##	2.419	3062	3	0.35067	0.005015	0.340981	0.36064
##	2.419	3058	2	0.35045	0.005015	0.340753	0.36041
##	2.419	3055	7	0.34964	0.005012	0.339955	0.35961
##	2.419	3047	5	0.34907	0.005011	0.339385	0.35903
##	2.419	3041	2	0.34884	0.005010	0.339156	0.35880
##	2.419	3039	1	0.34872	0.005010	0.339042	0.35868
##	2.419	3037	1	0.34861	0.005009	0.338928	0.35857
##	2.420	3036	1	0.34849	0.005009	0.338814	0.35845
##	2.420	3034	1	0.34838	0.005009	0.338700	0.35834
##	2.420	3033	1	0.34826	0.005008	0.338586	0.35822
##	2.420	3032	2	0.34804	0.005008	0.338357	0.35799
##	2.421	3030	1	0.34792	0.005007	0.338243	0.35787
##	2.422	3029	2	0.34769	0.005007	0.338015	0.35764
##	2.425	3026	1	0.34758	0.005006	0.337900	0.35753
##	2.426	3025	1	0.34746	0.005006	0.337786	0.35741
##	2.427	3024	2	0.34723	0.005005	0.337558	0.35718
##	2.428	3022	1	0.34712	0.005005	0.337444	0.35707
##	2.435	3021	3	0.34677	0.005004	0.337101	0.35672
##	2.435	3018	4	0.34631	0.005003	0.336644	0.35626
##	2.435	3014	6	0.34562	0.005001	0.335959	0.35556
##	2.435	3007	6	0.34493	0.004999	0.335273	0.35487
##	2.436	3001	3	0.34459	0.004998	0.334931	0.35452
##	2.436	2998	5	0.34401	0.004996	0.334360	0.35395
##	2.436	2992	1	0.34390	0.004995	0.334245	0.35383
##	2.436	2991	2	0.34367	0.004995	0.334017	0.35360
##	2.436	2989	2	0.34344	0.004994	0.333788	0.35337

##	2.436	2987	1	0.34332	0.004994	0.333674	0.35325
##	2.436	2984	2	0.34309	0.004993	0.333445	0.35302
##	2.436	2982	1	0.34298	0.004993	0.333331	0.35290
##	2.437	2981	1	0.34286	0.004992	0.333217	0.35279
##	2.437	2980	1	0.34275	0.004992	0.333102	0.35267
##	2.437	2979	2	0.34252	0.004991	0.332874	0.35244
##	2.438	2977	1	0.34240	0.004991	0.332759	0.35233
##	2.438	2975	1	0.34229	0.004991	0.332645	0.35221
##	2.438	2974	1	0.34217	0.004990	0.332530	0.35209
##	2.440	2972	1	0.34206	0.004990	0.332416	0.35198
##	2.446	2971	1	0.34194	0.004990	0.332302	0.35186
##	2.447	2969	1	0.34183	0.004989	0.332187	0.35175
##	2.452	2968	1	0.34171	0.004989	0.332073	0.35163
##	2.452	2967	1	0.34160	0.004988	0.331958	0.35152
##	2.452	2965	3	0.34125	0.004987	0.331615	0.35117
##	2.452	2962	4	0.34079	0.004986	0.331157	0.35070
##	2.452	2958	2	0.34056	0.004985	0.330928	0.35047
##	2.452	2955	2	0.34033	0.004985	0.330699	0.35024
##	2.452	2952	2	0.34010	0.004984	0.330470	0.35001
##	2.453	2950	2	0.33987	0.004983	0.330241	0.34978
##	2.453	2948	1	0.33975	0.004983	0.330126	0.34966
##	2.453	2947	1	0.33964	0.004982	0.330011	0.34954
##	2.453	2946	2	0.33941	0.004982	0.329782	0.34931
##	2.454	2943	1	0.33929	0.004981	0.329668	0.34920
##	2.454	2942	1	0.33918	0.004981	0.329553	0.34908
##	2.454	2941	3	0.33883	0.004980	0.329209	0.34873
##	2.454	2938	2	0.33860	0.004979	0.328980	0.34850
##	2.454	2936	1	0.33848	0.004979	0.328866	0.34838
##	2.455	2935	1	0.33837	0.004978	0.328751	0.34827
##	2.455	2934	1	0.33825	0.004978	0.328636	0.34815
##	2.455	2933	2	0.33802	0.004977	0.328407	0.34792
##	2.456	2931	1	0.33791	0.004977	0.328293	0.34780
##	2.457	2930	1	0.33779	0.004977	0.328178	0.34769
##	2.457	2929	1	0.33768	0.004976	0.328063	0.34757
##	2.458	2928	1	0.33756	0.004976	0.327949	0.34746
##	2.458	2927	1	0.33745	0.004976	0.327834	0.34734
##	2.469	2925	1	0.33733	0.004975	0.327720	0.34722
##	2.469	2924	1	0.33722	0.004975	0.327605	0.34711
##	2.469	2922	4	0.33675	0.004973	0.327146	0.34664
##	2.469	2918	1	0.33664	0.004973	0.327032	0.34653
##	2.469	2917	3	0.33629	0.004972	0.326688	0.34618
##	2.469	2913	1	0.33618	0.004972	0.326573	0.34606
##	2.469	2912	1	0.33606	0.004971	0.326458	0.34595
##	2.469	2911	2	0.33583	0.004970	0.326229	0.34572
##	2.470	2909	2	0.33560	0.004970	0.325999	0.34548
##	2.471	2907	1	0.33548	0.004969	0.325885	0.34537
##	2.472	2906	2	0.33525	0.004969	0.325655	0.34513
##	2.473	2903	1	0.33514	0.004968	0.325541	0.34502
##	2.474	2900	1	0.33502	0.004968	0.325426	0.34490
##	2.474	2899	1	0.33491	0.004967	0.325311	0.34479
##	2.474	2898	1	0.33479	0.004967	0.325196	0.34467
##	2.474	2897	1	0.33468	0.004967	0.325081	0.34455
##	2.474	2896	1	0.33456	0.004966	0.324967	0.34444
##	2.475	2895	1	0.33444	0.004966	0.324852	0.34432

##	2.475	2894	1	0.33433	0.004966	0.324737	0.34420
##	2.475	2893	1	0.33421	0.004965	0.324622	0.34409
##	2.475	2892	1	0.33410	0.004965	0.324507	0.34397
##	2.476	2891	1	0.33398	0.004965	0.324393	0.34386
##	2.476	2890	1	0.33387	0.004964	0.324278	0.34374
##	2.477	2889	1	0.33375	0.004964	0.324163	0.34362
##	2.479	2887	1	0.33364	0.004963	0.324048	0.34351
##	2.479	2886	1	0.33352	0.004963	0.323933	0.34339
##	2.485	2885	1	0.33340	0.004963	0.323818	0.34327
##	2.485	2884	1	0.33329	0.004962	0.323704	0.34316
##	2.485	2883	3	0.33294	0.004961	0.323359	0.34281
##	2.486	2880	2	0.33271	0.004960	0.323129	0.34258
##	2.486	2878	6	0.33202	0.004958	0.322440	0.34188
##	2.486	2872	1	0.33190	0.004958	0.322325	0.34176
##	2.486	2871	1	0.33179	0.004957	0.322211	0.34165
##	2.486	2869	1	0.33167	0.004957	0.322096	0.34153
##	2.487	2868	1	0.33155	0.004957	0.321981	0.34141
##	2.489	2867	1	0.33144	0.004956	0.321866	0.34130
##	2.491	2866	1	0.33132	0.004956	0.321751	0.34118
##	2.492	2865	1	0.33121	0.004955	0.321636	0.34106
##	2.492	2864	1	0.33109	0.004955	0.321521	0.34095
##	2.492	2863	1	0.33098	0.004955	0.321407	0.34083
##	2.492	2862	1	0.33086	0.004954	0.321292	0.34072
##	2.493	2860	1	0.33075	0.004954	0.321177	0.34060
##	2.495	2859	1	0.33063	0.004954	0.321062	0.34048
##	2.495	2858	1	0.33051	0.004953	0.320947	0.34037
##	2.496	2857	1	0.33040	0.004953	0.320832	0.34025
##	2.502	2856	1	0.33028	0.004952	0.320717	0.34013
##	2.502	2855	3	0.32994	0.004951	0.320372	0.33978
##	2.502	2852	2	0.32970	0.004951	0.320143	0.33955
##	2.502	2850	1	0.32959	0.004950	0.320028	0.33943
##	2.502	2849	4	0.32913	0.004949	0.319568	0.33897
##	2.502	2845	7	0.32832	0.004946	0.318764	0.33815
##	2.502	2837	4	0.32785	0.004944	0.318304	0.33769
##	2.502	2832	1	0.32774	0.004944	0.318189	0.33757
##	2.502	2831	1	0.32762	0.004944	0.318074	0.33746
##	2.503	2829	1	0.32751	0.004943	0.317959	0.33734
##	2.503	2828	1	0.32739	0.004943	0.317844	0.33722
##	2.503	2827	1	0.32727	0.004942	0.317729	0.33711
##	2.503	2826	1	0.32716	0.004942	0.317614	0.33699
##	2.505	2825	1	0.32704	0.004942	0.317499	0.33687
##	2.506	2824	1	0.32693	0.004941	0.317384	0.33676
##	2.507	2823	1	0.32681	0.004941	0.317269	0.33664
##	2.508	2822	1	0.32669	0.004940	0.317154	0.33652
##	2.509	2821	1	0.32658	0.004940	0.317039	0.33641
##	2.509	2820	1	0.32646	0.004940	0.316924	0.33629
##	2.510	2819	1	0.32635	0.004939	0.316809	0.33617
##	2.513	2817	1	0.32623	0.004939	0.316694	0.33606
##	2.513	2816	1	0.32612	0.004938	0.316579	0.33594
##	2.518	2815	1	0.32600	0.004938	0.316464	0.33582
##	2.518	2814	1	0.32588	0.004938	0.316349	0.33571
##	2.519	2813	3	0.32554	0.004936	0.316004	0.33536
##	2.519	2809	4	0.32507	0.004935	0.315543	0.33489
##	2.519	2805	3	0.32473	0.004934	0.315198	0.33454

##	2.519	2801	2	0.32449	0.004933	0.314968	0.33431
##	2.519	2799	3	0.32415	0.004932	0.314623	0.33396
##	2.519	2796	2	0.32391	0.004931	0.314392	0.33372
##	2.519	2794	2	0.32368	0.004930	0.314162	0.33349
##	2.519	2792	1	0.32357	0.004930	0.314047	0.33337
##	2.519	2791	1	0.32345	0.004929	0.313932	0.33326
##	2.520	2789	1	0.32333	0.004929	0.313817	0.33314
##	2.521	2788	1	0.32322	0.004928	0.313702	0.33302
##	2.522	2787	1	0.32310	0.004928	0.313586	0.33291
##	2.523	2786	1	0.32299	0.004928	0.313471	0.33279
##	2.524	2785	1	0.32287	0.004927	0.313356	0.33267
##	2.524	2784	1	0.32275	0.004927	0.313241	0.33256
##	2.524	2783	1	0.32264	0.004926	0.313126	0.33244
##	2.525	2782	1	0.32252	0.004926	0.313011	0.33232
##	2.530	2781	1	0.32241	0.004926	0.312895	0.33221
##	2.532	2780	1	0.32229	0.004925	0.312780	0.33209
##	2.535	2779	1	0.32217	0.004925	0.312665	0.33197
##	2.535	2778	2	0.32194	0.004924	0.312435	0.33174
##	2.535	2776	3	0.32159	0.004923	0.312089	0.33139
##	2.535	2773	6	0.32090	0.004920	0.311399	0.33069
##	2.536	2767	3	0.32055	0.004919	0.311053	0.33034
##	2.536	2763	4	0.32009	0.004917	0.310592	0.32987
##	2.536	2758	2	0.31985	0.004917	0.310362	0.32964
##	2.536	2756	3	0.31951	0.004915	0.310016	0.32929
##	2.536	2753	1	0.31939	0.004915	0.309901	0.32917
##	2.536	2751	3	0.31904	0.004914	0.309555	0.32882
##	2.536	2748	1	0.31893	0.004913	0.309440	0.32870
##	2.538	2746	1	0.31881	0.004913	0.309325	0.32859
##	2.538	2745	1	0.31869	0.004912	0.309210	0.32847
##	2.539	2743	1	0.31858	0.004912	0.309094	0.32835
##	2.541	2742	1	0.31846	0.004912	0.308979	0.32823
##	2.542	2741	1	0.31835	0.004911	0.308863	0.32812
##	2.542	2740	1	0.31823	0.004911	0.308748	0.32800
##	2.543	2739	1	0.31811	0.004910	0.308633	0.32788
##	2.552	2738	1	0.31800	0.004910	0.308517	0.32777
##	2.552	2737	3	0.31765	0.004909	0.308171	0.32742
##	2.552	2734	1	0.31753	0.004908	0.308056	0.32730
##	2.552	2733	3	0.31718	0.004907	0.307710	0.32695
##	2.552	2729	4	0.31672	0.004905	0.307249	0.32648
##	2.552	2725	3	0.31637	0.004904	0.306903	0.32613
##	2.552	2721	1	0.31625	0.004904	0.306787	0.32601
##	2.553	2720	2	0.31602	0.004903	0.306556	0.32578
##	2.553	2718	1	0.31590	0.004902	0.306441	0.32566
##	2.553	2716	1	0.31579	0.004902	0.306325	0.32554
##	2.553	2715	1	0.31567	0.004901	0.306210	0.32543
##	2.554	2714	1	0.31556	0.004901	0.306095	0.32531
##	2.556	2713	1	0.31544	0.004901	0.305979	0.32519
##	2.557	2712	1	0.31532	0.004900	0.305864	0.32507
##	2.558	2711	1	0.31521	0.004900	0.305748	0.32496
##	2.560	2710	1	0.31509	0.004899	0.305633	0.32484
##	2.560	2709	1	0.31497	0.004899	0.305517	0.32472
##	2.561	2708	1	0.31486	0.004898	0.305402	0.32461
##	2.568	2707	1	0.31474	0.004898	0.305286	0.32449
##	2.569	2706	2	0.31451	0.004897	0.305056	0.32425

##	2.569	2704	2	0.31428	0.004896	0.304825	0.32402
##	2.569	2701	3	0.31393	0.004895	0.304478	0.32367
##	2.569	2698	3	0.31358	0.004894	0.304132	0.32332
##	2.569	2695	5	0.31300	0.004892	0.303554	0.32273
##	2.569	2689	2	0.31276	0.004891	0.303323	0.32250
##	2.569	2687	1	0.31265	0.004890	0.303208	0.32238
##	2.569	2684	2	0.31241	0.004889	0.302977	0.32215
##	2.569	2681	1	0.31230	0.004889	0.302861	0.32203
##	2.570	2680	1	0.31218	0.004888	0.302745	0.32191
##	2.570	2679	1	0.31206	0.004888	0.302630	0.32179
##	2.570	2678	1	0.31195	0.004888	0.302514	0.32168
##	2.570	2677	1	0.31183	0.004887	0.302398	0.32156
##	2.570	2676	1	0.31171	0.004887	0.302283	0.32144
##	2.571	2675	1	0.31160	0.004886	0.302167	0.32132
##	2.571	2674	1	0.31148	0.004886	0.302051	0.32121
##	2.571	2673	1	0.31137	0.004885	0.301936	0.32109
##	2.571	2672	1	0.31125	0.004885	0.301820	0.32097
##	2.572	2671	1	0.31113	0.004885	0.301705	0.32085
##	2.573	2669	1	0.31102	0.004884	0.301589	0.32074
##	2.574	2668	1	0.31090	0.004884	0.301473	0.32062
##	2.575	2667	1	0.31078	0.004883	0.301357	0.32050
##	2.580	2666	1	0.31067	0.004883	0.301242	0.32038
##	2.581	2665	1	0.31055	0.004882	0.301126	0.32027
##	2.585	2664	1	0.31043	0.004882	0.301010	0.32015
##	2.585	2663	1	0.31032	0.004881	0.300895	0.32003
##	2.586	2662	3	0.30997	0.004880	0.300548	0.31968
##	2.586	2659	3	0.30962	0.004879	0.300201	0.31933
##	2.586	2656	3	0.30927	0.004877	0.299854	0.31898
##	2.586	2652	2	0.30903	0.004877	0.299622	0.31874
##	2.586	2650	5	0.30845	0.004874	0.299044	0.31815
##	2.586	2644	1	0.30833	0.004874	0.298928	0.31804
##	2.586	2642	1	0.30822	0.004873	0.298812	0.31792
##	2.587	2641	3	0.30787	0.004872	0.298465	0.31757
##	2.588	2637	1	0.30775	0.004872	0.298349	0.31745
##	2.588	2636	1	0.30763	0.004871	0.298233	0.31733
##	2.593	2634	1	0.30752	0.004871	0.298117	0.31721
##	2.594	2633	1	0.30740	0.004870	0.298001	0.31710
##	2.602	2632	3	0.30705	0.004869	0.297654	0.31674
##	2.602	2628	5	0.30647	0.004867	0.297074	0.31615
##	2.602	2623	3	0.30612	0.004865	0.296726	0.31580
##	2.602	2620	2	0.30588	0.004864	0.296494	0.31557
##	2.602	2618	3	0.30553	0.004863	0.296147	0.31521
##	2.603	2615	2	0.30530	0.004862	0.295915	0.31498
##	2.603	2613	1	0.30518	0.004862	0.295799	0.31486
##	2.603	2610	2	0.30495	0.004861	0.295567	0.31462
##	2.604	2608	1	0.30483	0.004860	0.295451	0.31451
##	2.605	2607	1	0.30471	0.004860	0.295335	0.31439
##	2.605	2606	1	0.30460	0.004859	0.295219	0.31427
##	2.606	2605	1	0.30448	0.004859	0.295103	0.31415
##	2.606	2604	1	0.30436	0.004858	0.294987	0.31403
##	2.607	2603	1	0.30425	0.004858	0.294871	0.31392
##	2.610	2602	1	0.30413	0.004858	0.294755	0.31380
##	2.611	2601	1	0.30401	0.004857	0.294639	0.31368
##	2.612	2600	1	0.30389	0.004857	0.294523	0.31356

##	2.613	2599	1	0.30378	0.004856	0.294407	0.31345
##	2.619	2598	2	0.30354	0.004855	0.294175	0.31321
##	2.619	2596	2	0.30331	0.004854	0.293943	0.31297
##	2.619	2594	2	0.30308	0.004853	0.293711	0.31274
##	2.619	2591	2	0.30284	0.004852	0.293479	0.31250
##	2.619	2587	1	0.30272	0.004852	0.293363	0.31239
##	2.620	2584	1	0.30261	0.004852	0.293247	0.31227
##	2.620	2583	1	0.30249	0.004851	0.293130	0.31215
##	2.621	2581	1	0.30237	0.004851	0.293014	0.31203
##	2.622	2580	1	0.30226	0.004850	0.292898	0.31191
##	2.623	2579	1	0.30214	0.004850	0.292782	0.31180
##	2.625	2578	1	0.30202	0.004849	0.292665	0.31168
##	2.627	2576	1	0.30190	0.004849	0.292549	0.31156
##	2.627	2575	1	0.30179	0.004848	0.292433	0.31144
##	2.630	2573	1	0.30167	0.004848	0.292316	0.31132
##	2.635	2570	2	0.30144	0.004847	0.292084	0.31109
##	2.635	2568	3	0.30108	0.004845	0.291734	0.31073
##	2.636	2565	3	0.30073	0.004844	0.291385	0.31038
##	2.636	2562	4	0.30026	0.004842	0.290919	0.30990
##	2.636	2557	3	0.29991	0.004841	0.290570	0.30955
##	2.636	2554	2	0.29967	0.004840	0.290337	0.30931
##	2.636	2552	3	0.29932	0.004838	0.289987	0.30896
##	2.642	2548	1	0.29920	0.004838	0.289871	0.30884
##	2.643	2547	1	0.29909	0.004837	0.289754	0.30872
##	2.643	2546	1	0.29897	0.004837	0.289638	0.30860
##	2.644	2545	1	0.29885	0.004837	0.289521	0.30848
##	2.646	2543	1	0.29873	0.004836	0.289405	0.30836
##	2.647	2542	1	0.29862	0.004836	0.289288	0.30825
##	2.652	2540	2	0.29838	0.004835	0.289055	0.30801
##	2.652	2538	7	0.29756	0.004831	0.288239	0.30718
##	2.652	2531	5	0.29697	0.004829	0.287656	0.30659
##	2.652	2526	5	0.29638	0.004826	0.287073	0.30600
##	2.652	2520	1	0.29627	0.004826	0.286956	0.30588
##	2.653	2518	1	0.29615	0.004826	0.286839	0.30576
##	2.653	2517	1	0.29603	0.004825	0.286723	0.30564
##	2.653	2515	1	0.29591	0.004825	0.286606	0.30552
##	2.654	2514	1	0.29579	0.004824	0.286489	0.30540
##	2.654	2513	1	0.29568	0.004824	0.286373	0.30528
##	2.656	2510	1	0.29556	0.004823	0.286256	0.30517
##	2.657	2509	1	0.29544	0.004823	0.286139	0.30505
##	2.659	2508	1	0.29532	0.004822	0.286022	0.30493
##	2.659	2507	1	0.29521	0.004822	0.285905	0.30481
##	2.668	2506	1	0.29509	0.004821	0.285788	0.30469
##	2.669	2505	2	0.29485	0.004820	0.285555	0.30445
##	2.669	2503	3	0.29450	0.004819	0.285204	0.30410
##	2.669	2500	1	0.29438	0.004818	0.285088	0.30398
##	2.669	2499	6	0.29367	0.004815	0.284387	0.30327
##	2.669	2493	3	0.29332	0.004814	0.284036	0.30291
##	2.669	2490	1	0.29320	0.004813	0.283920	0.30279
##	2.669	2489	1	0.29309	0.004813	0.283803	0.30267
##	2.670	2487	1	0.29297	0.004812	0.283686	0.30255
##	2.670	2486	1	0.29285	0.004812	0.283569	0.30243
##	2.671	2485	1	0.29273	0.004811	0.283452	0.30232
##	2.671	2484	1	0.29261	0.004811	0.283335	0.30220

##	2.671	2482	1	0.29250	0.004810	0.283218	0.30208
##	2.671	2481	1	0.29238	0.004810	0.283102	0.30196
##	2.672	2480	1	0.29226	0.004809	0.282985	0.30184
##	2.672	2479	1	0.29214	0.004809	0.282868	0.30172
##	2.673	2478	1	0.29202	0.004808	0.282751	0.30160
##	2.673	2477	1	0.29191	0.004808	0.282634	0.30148
##	2.674	2476	1	0.29179	0.004807	0.282517	0.30137
##	2.674	2475	1	0.29167	0.004807	0.282400	0.30125
##	2.675	2474	1	0.29155	0.004806	0.282283	0.30113
##	2.675	2473	1	0.29144	0.004806	0.282166	0.30101
##	2.677	2472	1	0.29132	0.004805	0.282049	0.30089
##	2.685	2471	1	0.29120	0.004805	0.281933	0.30077
##	2.686	2470	3	0.29085	0.004803	0.281582	0.30041
##	2.686	2467	2	0.29061	0.004802	0.281348	0.30018
##	2.686	2463	6	0.28990	0.004799	0.280646	0.29946
##	2.686	2455	3	0.28955	0.004798	0.280295	0.29911
##	2.686	2451	1	0.28943	0.004797	0.280178	0.29899
##	2.686	2450	2	0.28919	0.004796	0.279944	0.29875
##	2.686	2447	1	0.28908	0.004796	0.279827	0.29863
##	2.687	2446	1	0.28896	0.004795	0.279709	0.29851
##	2.687	2445	1	0.28884	0.004795	0.279592	0.29839
##	2.687	2444	1	0.28872	0.004794	0.279475	0.29827
##	2.688	2443	1	0.28860	0.004794	0.279358	0.29815
##	2.691	2442	1	0.28848	0.004793	0.279241	0.29803
##	2.694	2441	1	0.28837	0.004793	0.279124	0.29791
##	2.696	2440	1	0.28825	0.004792	0.279006	0.29780
##	2.702	2437	2	0.28801	0.004791	0.278772	0.29756
##	2.702	2435	2	0.28777	0.004790	0.278537	0.29732
##	2.702	2433	1	0.28766	0.004790	0.278420	0.29720
##	2.703	2432	6	0.28695	0.004787	0.277717	0.29648
##	2.703	2423	1	0.28683	0.004786	0.277599	0.29636
##	2.703	2422	1	0.28671	0.004786	0.277482	0.29624
##	2.703	2421	1	0.28659	0.004785	0.277364	0.29613
##	2.703	2420	1	0.28647	0.004785	0.277247	0.29601
##	2.705	2419	1	0.28635	0.004784	0.277130	0.29589
##	2.705	2417	1	0.28624	0.004784	0.277012	0.29577
##	2.705	2416	1	0.28612	0.004783	0.276895	0.29565
##	2.706	2415	1	0.28600	0.004783	0.276777	0.29553
##	2.712	2413	1	0.28588	0.004782	0.276660	0.29541
##	2.719	2412	1	0.28576	0.004782	0.276542	0.29529
##	2.719	2411	2	0.28553	0.004781	0.276307	0.29505
##	2.719	2409	1	0.28541	0.004780	0.276190	0.29493
##	2.719	2408	6	0.28470	0.004777	0.275485	0.29421
##	2.719	2402	7	0.28387	0.004773	0.274663	0.29338
##	2.719	2395	2	0.28363	0.004772	0.274428	0.29314
##	2.719	2393	1	0.28351	0.004772	0.274310	0.29302
##	2.720	2392	1	0.28339	0.004771	0.274193	0.29290
##	2.720	2391	1	0.28327	0.004771	0.274075	0.29278
##	2.720	2389	1	0.28315	0.004770	0.273958	0.29266
##	2.720	2388	2	0.28292	0.004769	0.273723	0.29242
##	2.721	2386	1	0.28280	0.004769	0.273605	0.29230
##	2.721	2385	1	0.28268	0.004768	0.273488	0.29218
##	2.722	2384	1	0.28256	0.004768	0.273370	0.29206
##	2.723	2383	1	0.28244	0.004767	0.273253	0.29194

##	2.724	2382	1	0.28232	0.004767	0.273135	0.29182
##	2.724	2381	1	0.28221	0.004766	0.273018	0.29170
##	2.725	2380	1	0.28209	0.004765	0.272900	0.29158
##	2.736	2378	1	0.28197	0.004765	0.272783	0.29146
##	2.736	2376	1	0.28185	0.004764	0.272665	0.29134
##	2.736	2373	2	0.28161	0.004763	0.272430	0.29111
##	2.736	2371	5	0.28102	0.004761	0.271841	0.29051
##	2.736	2366	1	0.28090	0.004760	0.271723	0.29039
##	2.736	2365	1	0.28078	0.004760	0.271606	0.29027
##	2.736	2364	1	0.28066	0.004759	0.271488	0.29015
##	2.736	2363	1	0.28054	0.004759	0.271370	0.29003
##	2.736	2362	1	0.28042	0.004758	0.271253	0.28991
##	2.737	2361	1	0.28031	0.004758	0.271135	0.28979
##	2.737	2360	1	0.28019	0.004757	0.271017	0.28967
##	2.737	2359	1	0.28007	0.004756	0.270900	0.28955
##	2.738	2358	1	0.27995	0.004756	0.270782	0.28943
##	2.743	2357	1	0.27983	0.004755	0.270664	0.28931
##	2.746	2355	1	0.27971	0.004755	0.270546	0.28919
##	2.752	2354	1	0.27959	0.004754	0.270429	0.28907
##	2.752	2353	5	0.27900	0.004752	0.269840	0.28847
##	2.752	2348	1	0.27888	0.004751	0.269722	0.28835
##	2.752	2346	3	0.27852	0.004749	0.269369	0.28799
##	2.752	2342	6	0.27781	0.004746	0.268662	0.28727
##	2.753	2336	4	0.27733	0.004744	0.268190	0.28679
##	2.753	2331	1	0.27722	0.004744	0.268073	0.28667
##	2.753	2330	2	0.27698	0.004742	0.267837	0.28643
##	2.753	2328	1	0.27686	0.004742	0.267719	0.28631
##	2.753	2327	1	0.27674	0.004741	0.267601	0.28619
##	2.753	2326	1	0.27662	0.004741	0.267483	0.28607
##	2.753	2325	1	0.27650	0.004740	0.267365	0.28595
##	2.754	2324	1	0.27638	0.004740	0.267247	0.28583
##	2.755	2322	1	0.27626	0.004739	0.267130	0.28571
##	2.756	2321	1	0.27614	0.004739	0.267012	0.28559
##	2.757	2320	1	0.27603	0.004738	0.266894	0.28547
##	2.757	2319	1	0.27591	0.004738	0.266776	0.28535
##	2.769	2318	1	0.27579	0.004737	0.266658	0.28523
##	2.769	2317	2	0.27555	0.004736	0.266422	0.28499
##	2.769	2314	3	0.27519	0.004734	0.266068	0.28463
##	2.769	2311	3	0.27484	0.004733	0.265714	0.28427
##	2.769	2307	2	0.27460	0.004731	0.265478	0.28403
##	2.770	2303	1	0.27448	0.004731	0.265360	0.28391
##	2.770	2302	1	0.27436	0.004730	0.265242	0.28379
##	2.770	2301	1	0.27424	0.004730	0.265124	0.28367
##	2.774	2300	1	0.27412	0.004729	0.265006	0.28355
##	2.775	2299	1	0.27400	0.004729	0.264888	0.28343
##	2.777	2298	1	0.27388	0.004728	0.264769	0.28331
##	2.785	2296	1	0.27376	0.004728	0.264651	0.28319
##	2.786	2294	5	0.27317	0.004725	0.264060	0.28258
##	2.786	2289	6	0.27245	0.004721	0.263351	0.28186
##	2.786	2281	5	0.27185	0.004719	0.262759	0.28126
##	2.786	2276	2	0.27161	0.004718	0.262523	0.28102
##	2.786	2274	1	0.27149	0.004717	0.262404	0.28090
##	2.788	2271	1	0.27137	0.004716	0.262286	0.28078
##	2.789	2270	1	0.27125	0.004716	0.262168	0.28066

##	2.790	2269	1	0.27114	0.004715	0.262049	0.28054
##	2.791	2268	1	0.27102	0.004715	0.261931	0.28042
##	2.791	2267	1	0.27090	0.004714	0.261812	0.28030
##	2.802	2265	4	0.27042	0.004712	0.261338	0.27981
##	2.802	2261	3	0.27006	0.004710	0.260983	0.27945
##	2.802	2257	2	0.26982	0.004709	0.260746	0.27921
##	2.803	2255	5	0.26922	0.004706	0.260154	0.27861
##	2.803	2249	4	0.26874	0.004704	0.259679	0.27812
##	2.803	2243	1	0.26862	0.004703	0.259561	0.27800
##	2.803	2242	1	0.26850	0.004703	0.259442	0.27788
##	2.803	2241	2	0.26826	0.004702	0.259205	0.27764
##	2.804	2239	2	0.26802	0.004700	0.258967	0.27740
##	2.804	2237	1	0.26790	0.004700	0.258849	0.27728
##	2.809	2236	1	0.26778	0.004699	0.258730	0.27715
##	2.813	2235	1	0.26766	0.004699	0.258611	0.27703
##	2.819	2234	2	0.26742	0.004698	0.258374	0.27679
##	2.819	2232	2	0.26718	0.004696	0.258137	0.27655
##	2.819	2230	3	0.26683	0.004695	0.257781	0.27619
##	2.819	2226	2	0.26659	0.004694	0.257543	0.27595
##	2.819	2223	2	0.26635	0.004692	0.257306	0.27570
##	2.820	2220	1	0.26623	0.004692	0.257187	0.27558
##	2.820	2219	1	0.26611	0.004691	0.257068	0.27546
##	2.820	2218	1	0.26599	0.004691	0.256950	0.27534
##	2.820	2217	2	0.26575	0.004689	0.256712	0.27510
##	2.821	2215	1	0.26563	0.004689	0.256593	0.27498
##	2.822	2214	1	0.26551	0.004688	0.256474	0.27486
##	2.822	2213	1	0.26539	0.004688	0.256355	0.27473
##	2.823	2212	1	0.26527	0.004687	0.256237	0.27461
##	2.823	2211	1	0.26515	0.004687	0.256118	0.27449
##	2.824	2210	1	0.26503	0.004686	0.255999	0.27437
##	2.826	2208	1	0.26491	0.004685	0.255880	0.27425
##	2.836	2206	3	0.26455	0.004684	0.255524	0.27389
##	2.836	2203	4	0.26407	0.004681	0.255048	0.27340
##	2.836	2199	3	0.26371	0.004680	0.254691	0.27304
##	2.836	2195	7	0.26286	0.004675	0.253859	0.27219
##	2.836	2188	1	0.26274	0.004675	0.253740	0.27207
##	2.836	2187	3	0.26238	0.004673	0.253383	0.27170
##	2.837	2184	3	0.26202	0.004671	0.253026	0.27134
##	2.837	2181	1	0.26190	0.004671	0.252907	0.27122
##	2.840	2178	1	0.26178	0.004670	0.252788	0.27110
##	2.841	2177	1	0.26166	0.004669	0.252669	0.27098
##	2.842	2176	1	0.26154	0.004669	0.252550	0.27086
##	2.844	2175	1	0.26142	0.004668	0.252431	0.27073
##	2.844	2174	1	0.26130	0.004668	0.252312	0.27061
##	2.852	2172	3	0.26094	0.004666	0.251955	0.27025
##	2.852	2167	1	0.26082	0.004665	0.251835	0.27013
##	2.852	2166	5	0.26022	0.004662	0.251239	0.26952
##	2.853	2161	2	0.25998	0.004661	0.251001	0.26928
##	2.853	2157	2	0.25974	0.004660	0.250762	0.26903
##	2.853	2155	2	0.25950	0.004659	0.250524	0.26879
##	2.853	2153	1	0.25938	0.004658	0.250404	0.26867
##	2.853	2151	1	0.25925	0.004657	0.250285	0.26855
##	2.854	2148	1	0.25913	0.004657	0.250165	0.26842
##	2.854	2147	1	0.25901	0.004656	0.250046	0.26830

##	2.856	2146	1	0.25889	0.004656	0.249927	0.26818
##	2.856	2145	1	0.25877	0.004655	0.249807	0.26806
##	2.860	2144	2	0.25853	0.004654	0.249568	0.26781
##	2.869	2142	1	0.25841	0.004653	0.249449	0.26769
##	2.869	2141	1	0.25829	0.004653	0.249329	0.26757
##	2.869	2140	1	0.25817	0.004652	0.249210	0.26745
##	2.869	2139	4	0.25769	0.004649	0.248732	0.26696
##	2.869	2135	1	0.25756	0.004649	0.248612	0.26684
##	2.869	2133	7	0.25672	0.004645	0.247776	0.26599
##	2.869	2126	1	0.25660	0.004644	0.247656	0.26586
##	2.870	2124	1	0.25648	0.004643	0.247537	0.26574
##	2.870	2123	1	0.25636	0.004643	0.247417	0.26562
##	2.871	2122	1	0.25624	0.004642	0.247298	0.26550
##	2.872	2121	2	0.25599	0.004641	0.247058	0.26525
##	2.874	2119	1	0.25587	0.004640	0.246939	0.26513
##	2.878	2118	1	0.25575	0.004640	0.246819	0.26501
##	2.886	2117	2	0.25551	0.004638	0.246580	0.26477
##	2.886	2113	5	0.25491	0.004635	0.245982	0.26416
##	2.886	2107	8	0.25394	0.004630	0.245024	0.26318
##	2.886	2096	1	0.25382	0.004630	0.244904	0.26306
##	2.886	2095	2	0.25358	0.004628	0.244664	0.26281
##	2.886	2093	1	0.25345	0.004628	0.244544	0.26269
##	2.887	2092	1	0.25333	0.004627	0.244424	0.26257
##	2.888	2090	1	0.25321	0.004627	0.244305	0.26244
##	2.897	2089	1	0.25309	0.004626	0.244185	0.26232
##	2.902	2088	3	0.25273	0.004624	0.243825	0.26195
##	2.902	2083	1	0.25261	0.004623	0.243705	0.26183
##	2.903	2082	7	0.25176	0.004619	0.242864	0.26097
##	2.903	2074	6	0.25103	0.004615	0.242144	0.26024
##	2.903	2067	3	0.25066	0.004613	0.241783	0.25987
##	2.903	2064	1	0.25054	0.004613	0.241663	0.25975
##	2.903	2063	1	0.25042	0.004612	0.241543	0.25963
##	2.903	2062	1	0.25030	0.004611	0.241423	0.25950
##	2.904	2061	2	0.25006	0.004610	0.241182	0.25926
##	2.908	2058	1	0.24994	0.004609	0.241062	0.25913
##	2.908	2057	1	0.24981	0.004609	0.240942	0.25901
##	2.919	2056	1	0.24969	0.004608	0.240822	0.25889
##	2.919	2055	1	0.24957	0.004608	0.240701	0.25877
##	2.919	2054	2	0.24933	0.004606	0.240461	0.25852
##	2.919	2052	1	0.24921	0.004606	0.240341	0.25840
##	2.919	2049	4	0.24872	0.004603	0.239859	0.25791
##	2.919	2045	2	0.24848	0.004602	0.239619	0.25766
##	2.919	2040	4	0.24799	0.004599	0.239137	0.25717
##	2.920	2035	2	0.24775	0.004598	0.238896	0.25692
##	2.920	2033	1	0.24762	0.004597	0.238775	0.25680
##	2.920	2032	1	0.24750	0.004597	0.238654	0.25668
##	2.921	2028	1	0.24738	0.004596	0.238534	0.25655
##	2.924	2026	1	0.24726	0.004595	0.238413	0.25643
##	2.936	2025	1	0.24714	0.004595	0.238292	0.25631
##	2.936	2024	1	0.24701	0.004594	0.238171	0.25618
##	2.936	2023	4	0.24652	0.004591	0.237688	0.25569
##	2.936	2017	2	0.24628	0.004590	0.237446	0.25544
##	2.936	2014	6	0.24555	0.004586	0.236721	0.25470
##	2.936	2008	5	0.24494	0.004583	0.236116	0.25408

##	2.936	2001	1	0.24481	0.004582	0.235995	0.25396
##	2.937	1998	1	0.24469	0.004582	0.235873	0.25384
##	2.937	1997	3	0.24432	0.004580	0.235510	0.25347
##	2.937	1994	1	0.24420	0.004579	0.235389	0.25334
##	2.938	1993	1	0.24408	0.004578	0.235267	0.25322
##	2.939	1991	1	0.24396	0.004578	0.235146	0.25309
##	2.940	1990	1	0.24383	0.004577	0.235025	0.25297
##	2.941	1989	1	0.24371	0.004576	0.234904	0.25285
##	2.944	1988	1	0.24359	0.004576	0.234782	0.25272
##	2.952	1987	1	0.24346	0.004575	0.234661	0.25260
##	2.953	1986	6	0.24273	0.004571	0.233933	0.25186
##	2.953	1980	2	0.24248	0.004570	0.233691	0.25161
##	2.953	1978	6	0.24175	0.004566	0.232963	0.25086
##	2.953	1971	2	0.24150	0.004564	0.232721	0.25062
##	2.953	1969	1	0.24138	0.004564	0.232600	0.25049
##	2.953	1968	1	0.24126	0.004563	0.232478	0.25037
##	2.953	1967	1	0.24114	0.004562	0.232357	0.25025
##	2.954	1966	1	0.24101	0.004562	0.232236	0.25012
##	2.956	1965	1	0.24089	0.004561	0.232114	0.25000
##	2.957	1964	1	0.24077	0.004560	0.231993	0.24987
##	2.961	1959	1	0.24064	0.004560	0.231872	0.24975
##	2.961	1958	1	0.24052	0.004559	0.231750	0.24963
##	2.962	1957	1	0.24040	0.004558	0.231628	0.24950
##	2.969	1956	1	0.24028	0.004558	0.231507	0.24938
##	2.969	1955	1	0.24015	0.004557	0.231385	0.24925
##	2.969	1953	6	0.23942	0.004553	0.230656	0.24851
##	2.969	1947	3	0.23905	0.004551	0.230291	0.24813
##	2.969	1944	3	0.23868	0.004549	0.229926	0.24776
##	2.969	1940	2	0.23843	0.004547	0.229683	0.24751
##	2.970	1936	3	0.23806	0.004545	0.229317	0.24714
##	2.970	1931	1	0.23794	0.004545	0.229196	0.24701
##	2.970	1930	1	0.23782	0.004544	0.229074	0.24689
##	2.970	1929	1	0.23769	0.004543	0.228952	0.24677
##	2.972	1927	1	0.23757	0.004543	0.228830	0.24664
##	2.973	1926	1	0.23745	0.004542	0.228708	0.24652
##	2.973	1925	1	0.23732	0.004541	0.228586	0.24639
##	2.974	1924	1	0.23720	0.004541	0.228464	0.24627
##	2.974	1923	1	0.23708	0.004540	0.228342	0.24614
##	2.974	1922	1	0.23695	0.004539	0.228220	0.24602
##	2.975	1921	1	0.23683	0.004539	0.228098	0.24589
##	2.975	1920	1	0.23671	0.004538	0.227976	0.24577
##	2.986	1919	3	0.23634	0.004536	0.227610	0.24539
##	2.986	1916	1	0.23621	0.004535	0.227488	0.24527
##	2.986	1915	8	0.23522	0.004530	0.226512	0.24427
##	2.986	1906	3	0.23485	0.004528	0.226146	0.24390
##	2.986	1903	2	0.23461	0.004526	0.225902	0.24365
##	2.986	1901	3	0.23424	0.004524	0.225536	0.24327
##	2.986	1898	1	0.23411	0.004523	0.225414	0.24315
##	2.987	1897	1	0.23399	0.004523	0.225292	0.24302
##	2.988	1896	1	0.23387	0.004522	0.225170	0.24290
##	2.989	1895	1	0.23374	0.004521	0.225048	0.24278
##	2.994	1894	1	0.23362	0.004521	0.224926	0.24265
##	2.995	1893	1	0.23350	0.004520	0.224804	0.24253
##	3.002	1892	3	0.23313	0.004518	0.224438	0.24215

##	3.002	1889	3	0.23276	0.004516	0.224072	0.24178
##	3.002	1884	3	0.23239	0.004513	0.223706	0.24140
##	3.003	1881	3	0.23202	0.004511	0.223340	0.24103
##	3.003	1878	5	0.23140	0.004508	0.222729	0.24040
##	3.003	1872	4	0.23090	0.004505	0.222240	0.23990
##	3.003	1868	1	0.23078	0.004504	0.222118	0.23978
##	3.003	1866	2	0.23053	0.004503	0.221874	0.23953
##	3.003	1864	2	0.23028	0.004501	0.221629	0.23928
##	3.004	1862	1	0.23016	0.004501	0.221507	0.23915
##	3.004	1861	1	0.23004	0.004500	0.221385	0.23903
##	3.006	1860	1	0.22991	0.004499	0.221263	0.23890
##	3.019	1859	2	0.22967	0.004498	0.221018	0.23865
##	3.019	1855	2	0.22942	0.004496	0.220773	0.23840
##	3.019	1853	4	0.22892	0.004493	0.220284	0.23790
##	3.019	1847	2	0.22868	0.004492	0.220039	0.23765
##	3.019	1845	1	0.22855	0.004491	0.219917	0.23753
##	3.020	1844	1	0.22843	0.004490	0.219794	0.23740
##	3.020	1843	1	0.22830	0.004490	0.219672	0.23728
##	3.020	1842	1	0.22818	0.004489	0.219549	0.23715
##	3.021	1841	1	0.22806	0.004488	0.219427	0.23702
##	3.022	1839	1	0.22793	0.004488	0.219304	0.23690
##	3.022	1838	1	0.22781	0.004487	0.219182	0.23677
##	3.023	1837	1	0.22768	0.004486	0.219059	0.23665
##	3.023	1836	1	0.22756	0.004485	0.218936	0.23652
##	3.026	1834	1	0.22744	0.004485	0.218814	0.23640
##	3.036	1832	1	0.22731	0.004484	0.218691	0.23627
##	3.036	1831	1	0.22719	0.004483	0.218568	0.23615
##	3.036	1830	2	0.22694	0.004482	0.218323	0.23590
##	3.036	1827	3	0.22657	0.004480	0.217955	0.23552
##	3.036	1824	4	0.22607	0.004477	0.217464	0.23502
##	3.036	1820	1	0.22595	0.004476	0.217341	0.23489
##	3.036	1818	1	0.22582	0.004475	0.217218	0.23476
##	3.037	1816	1	0.22570	0.004474	0.217096	0.23464
##	3.038	1815	1	0.22557	0.004474	0.216973	0.23451
##	3.038	1814	1	0.22545	0.004473	0.216850	0.23439
##	3.039	1813	1	0.22532	0.004472	0.216727	0.23426
##	3.040	1812	1	0.22520	0.004471	0.216604	0.23414
##	3.041	1811	1	0.22508	0.004471	0.216481	0.23401
##	3.053	1807	1	0.22495	0.004470	0.216358	0.23388
##	3.053	1806	4	0.22445	0.004467	0.215866	0.23338
##	3.053	1801	2	0.22420	0.004466	0.215620	0.23313
##	3.053	1798	4	0.22370	0.004463	0.215127	0.23262
##	3.053	1792	2	0.22345	0.004461	0.214880	0.23237
##	3.053	1790	3	0.22308	0.004459	0.214510	0.23199
##	3.053	1787	2	0.22283	0.004457	0.214263	0.23174
##	3.053	1785	2	0.22258	0.004456	0.214017	0.23149
##	3.054	1783	1	0.22246	0.004455	0.213893	0.23136
##	3.055	1782	1	0.22233	0.004454	0.213770	0.23124
##	3.057	1781	1	0.22221	0.004454	0.213647	0.23111
##	3.069	1779	1	0.22208	0.004453	0.213523	0.23098
##	3.069	1778	2	0.22183	0.004451	0.213277	0.23073
##	3.070	1775	2	0.22158	0.004450	0.213030	0.23048
##	3.070	1773	1	0.22146	0.004449	0.212906	0.23035
##	3.070	1772	2	0.22121	0.004448	0.212659	0.23010

##	3.070	1770	1	0.22108	0.004447	0.212536	0.22997
##	3.070	1769	1	0.22096	0.004446	0.212412	0.22984
##	3.070	1768	1	0.22083	0.004445	0.212289	0.22972
##	3.070	1766	1	0.22071	0.004444	0.212165	0.22959
##	3.071	1765	1	0.22058	0.004444	0.212042	0.22947
##	3.071	1763	1	0.22046	0.004443	0.211918	0.22934
##	3.073	1762	1	0.22033	0.004442	0.211795	0.22921
##	3.073	1761	2	0.22008	0.004441	0.211548	0.22896
##	3.086	1759	1	0.21996	0.004440	0.211424	0.22883
##	3.086	1758	2	0.21971	0.004438	0.211177	0.22858
##	3.086	1756	1	0.21958	0.004438	0.211053	0.22845
##	3.086	1755	1	0.21946	0.004437	0.210930	0.22833
##	3.086	1754	3	0.21908	0.004435	0.210559	0.22795
##	3.086	1749	3	0.21870	0.004432	0.210188	0.22757
##	3.086	1746	2	0.21845	0.004431	0.209940	0.22731
##	3.086	1744	4	0.21795	0.004428	0.209446	0.22681
##	3.087	1740	1	0.21783	0.004427	0.209322	0.22668
##	3.088	1739	1	0.21770	0.004426	0.209198	0.22655
##	3.088	1737	1	0.21758	0.004425	0.209074	0.22643
##	3.091	1734	1	0.21745	0.004425	0.208950	0.22630
##	3.102	1733	2	0.21720	0.004423	0.208703	0.22604
##	3.103	1731	1	0.21708	0.004422	0.208579	0.22592
##	3.103	1730	1	0.21695	0.004421	0.208455	0.22579
##	3.103	1729	4	0.21645	0.004418	0.207959	0.22528
##	3.103	1725	4	0.21595	0.004415	0.207463	0.22478
##	3.103	1720	1	0.21582	0.004414	0.207339	0.22465
##	3.103	1719	1	0.21569	0.004414	0.207215	0.22452
##	3.103	1718	1	0.21557	0.004413	0.207092	0.22439
##	3.106	1715	1	0.21544	0.004412	0.206967	0.22427
##	3.107	1714	2	0.21519	0.004411	0.206719	0.22401
##	3.107	1712	1	0.21507	0.004410	0.206595	0.22389
##	3.108	1711	1	0.21494	0.004409	0.206471	0.22376
##	3.108	1710	1	0.21482	0.004408	0.206347	0.22363
##	3.108	1709	1	0.21469	0.004407	0.206223	0.22350
##	3.111	1708	1	0.21456	0.004407	0.206099	0.22338
##	3.111	1707	1	0.21444	0.004406	0.205974	0.22325
##	3.112	1706	1	0.21431	0.004405	0.205850	0.22312
##	3.113	1705	1	0.21419	0.004404	0.205726	0.22300
##	3.119	1704	1	0.21406	0.004403	0.205602	0.22287
##	3.119	1703	3	0.21368	0.004401	0.205230	0.22249
##	3.119	1700	2	0.21343	0.004399	0.204982	0.22223
##	3.120	1695	3	0.21305	0.004397	0.204609	0.22185
##	3.120	1692	1	0.21293	0.004396	0.204484	0.22172
##	3.120	1690	2	0.21268	0.004395	0.204236	0.22147
##	3.121	1687	1	0.21255	0.004394	0.204111	0.22134
##	3.123	1686	1	0.21242	0.004393	0.203987	0.22121
##	3.123	1685	1	0.21230	0.004392	0.203862	0.22108
##	3.125	1684	1	0.21217	0.004391	0.203738	0.22096
##	3.126	1683	1	0.21205	0.004391	0.203613	0.22083
##	3.127	1682	1	0.21192	0.004390	0.203489	0.22070
##	3.127	1681	1	0.21179	0.004389	0.203364	0.22057
##	3.136	1680	1	0.21167	0.004388	0.203240	0.22045
##	3.136	1679	4	0.21116	0.004385	0.202742	0.21994
##	3.136	1674	2	0.21091	0.004383	0.202493	0.21968

##	3.136	1671	2	0.21066	0.004382	0.202244	0.21942
##	3.136	1669	5	0.21003	0.004378	0.201621	0.21879
##	3.136	1662	2	0.20978	0.004376	0.201371	0.21853
##	3.137	1657	1	0.20965	0.004375	0.201246	0.21840
##	3.137	1656	2	0.20940	0.004374	0.200996	0.21815
##	3.137	1653	1	0.20927	0.004373	0.200871	0.21802
##	3.138	1651	1	0.20914	0.004372	0.200746	0.21789
##	3.138	1650	1	0.20902	0.004371	0.200621	0.21776
##	3.139	1649	1	0.20889	0.004370	0.200496	0.21763
##	3.140	1648	1	0.20876	0.004370	0.200371	0.21750
##	3.152	1647	1	0.20864	0.004369	0.200246	0.21738
##	3.152	1646	3	0.20825	0.004366	0.199870	0.21699
##	3.152	1643	1	0.20813	0.004366	0.199745	0.21686
##	3.153	1641	1	0.20800	0.004365	0.199620	0.21673
##	3.153	1640	1	0.20787	0.004364	0.199495	0.21661
##	3.153	1639	2	0.20762	0.004362	0.199245	0.21635
##	3.153	1635	3	0.20724	0.004360	0.198869	0.21596
##	3.154	1632	1	0.20711	0.004359	0.198743	0.21584
##	3.154	1631	1	0.20699	0.004358	0.198618	0.21571
##	3.154	1630	1	0.20686	0.004357	0.198493	0.21558
##	3.154	1629	1	0.20673	0.004357	0.198367	0.21545
##	3.155	1628	1	0.20660	0.004356	0.198242	0.21532
##	3.155	1627	2	0.20635	0.004354	0.197991	0.21506
##	3.156	1625	1	0.20622	0.004353	0.197866	0.21494
##	3.160	1622	1	0.20610	0.004352	0.197740	0.21481
##	3.169	1621	1	0.20597	0.004352	0.197615	0.21468
##	3.169	1618	2	0.20572	0.004350	0.197364	0.21442
##	3.170	1616	2	0.20546	0.004348	0.197112	0.21416
##	3.170	1613	2	0.20521	0.004347	0.196861	0.21390
##	3.170	1611	1	0.20508	0.004346	0.196735	0.21378
##	3.170	1610	1	0.20495	0.004345	0.196610	0.21365
##	3.170	1609	2	0.20470	0.004343	0.196358	0.21339
##	3.171	1606	1	0.20457	0.004342	0.196232	0.21326
##	3.176	1604	1	0.20444	0.004342	0.196107	0.21313
##	3.178	1603	1	0.20431	0.004341	0.195981	0.21300
##	3.186	1602	2	0.20406	0.004339	0.195729	0.21274
##	3.186	1599	2	0.20380	0.004337	0.195477	0.21248
##	3.186	1597	1	0.20368	0.004337	0.195351	0.21236
##	3.186	1596	1	0.20355	0.004336	0.195225	0.21223
##	3.186	1594	1	0.20342	0.004335	0.195099	0.21210
##	3.187	1593	1	0.20329	0.004334	0.194973	0.21197
##	3.187	1592	1	0.20317	0.004333	0.194847	0.21184
##	3.187	1590	1	0.20304	0.004332	0.194721	0.21171
##	3.188	1589	1	0.20291	0.004332	0.194595	0.21158
##	3.189	1588	2	0.20265	0.004330	0.194343	0.21132
##	3.191	1585	1	0.20253	0.004329	0.194217	0.21119
##	3.192	1583	1	0.20240	0.004328	0.194091	0.21106
##	3.203	1581	1	0.20227	0.004327	0.193964	0.21093
##	3.203	1580	1	0.20214	0.004326	0.193838	0.21080
##	3.203	1578	4	0.20163	0.004323	0.193332	0.21028
##	3.203	1574	3	0.20125	0.004321	0.192953	0.20989
##	3.203	1570	1	0.20112	0.004320	0.192827	0.20976
##	3.203	1569	1	0.20099	0.004319	0.192700	0.20963
##	3.203	1568	2	0.20073	0.004317	0.192447	0.20938

##	3.204	1565	1	0.20060	0.004316	0.192321	0.20925
##	3.204	1564	1	0.20048	0.004315	0.192194	0.20912
##	3.205	1563	1	0.20035	0.004315	0.192068	0.20899
##	3.205	1562	1	0.20022	0.004314	0.191941	0.20886
##	3.206	1561	1	0.20009	0.004313	0.191815	0.20873
##	3.207	1560	1	0.19996	0.004312	0.191688	0.20860
##	3.210	1559	1	0.19983	0.004311	0.191561	0.20847
##	3.210	1558	1	0.19971	0.004310	0.191435	0.20834
##	3.219	1557	1	0.19958	0.004309	0.191308	0.20821
##	3.219	1555	1	0.19945	0.004309	0.191182	0.20808
##	3.219	1554	1	0.19932	0.004308	0.191055	0.20795
##	3.220	1553	1	0.19919	0.004307	0.190929	0.20782
##	3.220	1552	1	0.19907	0.004306	0.190802	0.20769
##	3.220	1551	1	0.19894	0.004305	0.190675	0.20756
##	3.220	1550	1	0.19881	0.004304	0.190549	0.20743
##	3.220	1548	2	0.19855	0.004302	0.190295	0.20717
##	3.221	1546	1	0.19842	0.004302	0.190169	0.20704
##	3.222	1545	1	0.19829	0.004301	0.190042	0.20691
##	3.223	1544	1	0.19817	0.004300	0.189915	0.20678
##	3.224	1541	1	0.19804	0.004299	0.189788	0.20665
##	3.226	1540	1	0.19791	0.004298	0.189662	0.20652
##	3.236	1538	2	0.19765	0.004296	0.189408	0.20625
##	3.236	1536	3	0.19727	0.004294	0.189027	0.20586
##	3.236	1533	2	0.19701	0.004292	0.188773	0.20560
##	3.236	1530	1	0.19688	0.004291	0.188646	0.20547
##	3.236	1528	2	0.19662	0.004289	0.188392	0.20521
##	3.236	1526	1	0.19649	0.004289	0.188265	0.20508
##	3.236	1525	1	0.19636	0.004288	0.188138	0.20495
##	3.237	1523	2	0.19611	0.004286	0.187883	0.20469
##	3.239	1521	1	0.19598	0.004285	0.187756	0.20456
##	3.241	1520	1	0.19585	0.004284	0.187629	0.20443
##	3.243	1519	1	0.19572	0.004283	0.187502	0.20430
##	3.243	1518	1	0.19559	0.004282	0.187375	0.20417
##	3.252	1517	1	0.19546	0.004282	0.187247	0.20404
##	3.253	1516	1	0.19533	0.004281	0.187120	0.20391
##	3.253	1515	1	0.19520	0.004280	0.186993	0.20377
##	3.253	1514	1	0.19507	0.004279	0.186866	0.20364
##	3.253	1513	1	0.19495	0.004278	0.186739	0.20351
##	3.253	1512	1	0.19482	0.004277	0.186612	0.20338
##	3.253	1510	2	0.19456	0.004275	0.186357	0.20312
##	3.253	1508	1	0.19443	0.004274	0.186230	0.20299
##	3.256	1505	1	0.19430	0.004274	0.186103	0.20286
##	3.256	1504	1	0.19417	0.004273	0.185975	0.20273
##	3.257	1503	1	0.19404	0.004272	0.185848	0.20260
##	3.260	1502	1	0.19391	0.004271	0.185720	0.20247
##	3.269	1500	1	0.19378	0.004270	0.185593	0.20234
##	3.269	1499	1	0.19365	0.004269	0.185465	0.20221
##	3.269	1498	2	0.19340	0.004267	0.185210	0.20194
##	3.270	1494	1	0.19327	0.004266	0.185083	0.20181
##	3.270	1493	1	0.19314	0.004266	0.184955	0.20168
##	3.274	1491	1	0.19301	0.004265	0.184827	0.20155
##	3.286	1490	1	0.19288	0.004264	0.184700	0.20142
##	3.286	1488	3	0.19249	0.004261	0.184316	0.20102
##	3.286	1484	1	0.19236	0.004260	0.184188	0.20089

##	3.287	1483	3	0.19197	0.004257	0.183805	0.20050
##	3.287	1478	1	0.19184	0.004257	0.183677	0.20037
##	3.289	1476	1	0.19171	0.004256	0.183548	0.20024
##	3.289	1475	1	0.19158	0.004255	0.183420	0.20010
##	3.290	1473	1	0.19145	0.004254	0.183292	0.19997
##	3.290	1472	1	0.19132	0.004253	0.183164	0.19984
##	3.302	1471	1	0.19119	0.004252	0.183035	0.19971
##	3.303	1469	1	0.19106	0.004251	0.182907	0.19958
##	3.303	1468	3	0.19067	0.004248	0.182522	0.19918
##	3.303	1465	1	0.19054	0.004248	0.182394	0.19905
##	3.303	1464	1	0.19041	0.004247	0.182265	0.19892
##	3.304	1463	1	0.19028	0.004246	0.182137	0.19879
##	3.306	1462	1	0.19015	0.004245	0.182009	0.19865
##	3.306	1461	1	0.19002	0.004244	0.181881	0.19852
##	3.306	1460	1	0.18989	0.004243	0.181752	0.19839
##	3.308	1459	1	0.18976	0.004242	0.181624	0.19826
##	3.308	1458	1	0.18963	0.004241	0.181496	0.19813
##	3.310	1456	1	0.18950	0.004240	0.181367	0.19799
##	3.311	1455	1	0.18937	0.004239	0.181239	0.19786
##	3.319	1454	1	0.18924	0.004238	0.181110	0.19773
##	3.319	1453	2	0.18898	0.004237	0.180854	0.19747
##	3.320	1450	2	0.18872	0.004235	0.180597	0.19720
##	3.320	1447	1	0.18859	0.004234	0.180468	0.19707
##	3.320	1446	1	0.18846	0.004233	0.180339	0.19694
##	3.320	1445	1	0.18833	0.004232	0.180211	0.19681
##	3.320	1444	1	0.18819	0.004231	0.180082	0.19667
##	3.320	1443	1	0.18806	0.004230	0.179954	0.19654
##	3.320	1441	1	0.18793	0.004229	0.179825	0.19641
##	3.321	1440	1	0.18780	0.004228	0.179696	0.19628
##	3.324	1439	1	0.18767	0.004227	0.179568	0.19614
##	3.326	1438	1	0.18754	0.004226	0.179439	0.19601
##	3.336	1437	1	0.18741	0.004225	0.179310	0.19588
##	3.336	1435	2	0.18715	0.004224	0.179053	0.19561
##	3.336	1432	1	0.18702	0.004223	0.178924	0.19548
##	3.336	1430	1	0.18689	0.004222	0.178795	0.19535
##	3.344	1427	1	0.18676	0.004221	0.178666	0.19522
##	3.353	1426	1	0.18663	0.004220	0.178537	0.19508
##	3.353	1425	1	0.18650	0.004219	0.178408	0.19495
##	3.353	1422	1	0.18637	0.004218	0.178279	0.19482
##	3.353	1421	3	0.18597	0.004215	0.177891	0.19442
##	3.353	1418	2	0.18571	0.004213	0.177632	0.19415
##	3.353	1416	3	0.18532	0.004211	0.177244	0.19376
##	3.353	1413	2	0.18505	0.004209	0.176986	0.19349
##	3.354	1411	1	0.18492	0.004208	0.176857	0.19336
##	3.354	1410	1	0.18479	0.004207	0.176727	0.19322
##	3.355	1409	1	0.18466	0.004206	0.176598	0.19309
##	3.356	1408	1	0.18453	0.004205	0.176469	0.19296
##	3.356	1407	1	0.18440	0.004204	0.176340	0.19282
##	3.357	1406	1	0.18427	0.004203	0.176210	0.19269
##	3.357	1405	1	0.18414	0.004202	0.176081	0.19256
##	3.358	1404	1	0.18400	0.004201	0.175952	0.19243
##	3.369	1402	1	0.18387	0.004200	0.175823	0.19229
##	3.369	1401	3	0.18348	0.004197	0.175435	0.19189
##	3.370	1398	3	0.18309	0.004195	0.175047	0.19149

##	3.370	1394	3	0.18269	0.004192	0.174658	0.19109
##	3.370	1391	1	0.18256	0.004191	0.174529	0.19096
##	3.371	1390	1	0.18243	0.004190	0.174399	0.19083
##	3.374	1389	1	0.18230	0.004189	0.174270	0.19070
##	3.374	1388	1	0.18217	0.004188	0.174141	0.19056
##	3.375	1387	1	0.18204	0.004187	0.174011	0.19043
##	3.376	1386	1	0.18190	0.004186	0.173882	0.19030
##	3.380	1384	1	0.18177	0.004185	0.173752	0.19016
##	3.386	1383	1	0.18164	0.004184	0.173623	0.19003
##	3.386	1382	1	0.18151	0.004183	0.173493	0.18990
##	3.386	1381	3	0.18112	0.004180	0.173105	0.18950
##	3.386	1378	1	0.18098	0.004179	0.172975	0.18936
##	3.387	1376	1	0.18085	0.004178	0.172846	0.18923
##	3.387	1375	1	0.18072	0.004177	0.172716	0.18910
##	3.387	1374	1	0.18059	0.004176	0.172587	0.18896
##	3.388	1373	1	0.18046	0.004175	0.172457	0.18883
##	3.388	1372	1	0.18033	0.004174	0.172327	0.18870
##	3.391	1371	1	0.18019	0.004173	0.172198	0.18856
##	3.391	1369	1	0.18006	0.004172	0.172068	0.18843
##	3.392	1368	1	0.17993	0.004171	0.171939	0.18830
##	3.394	1366	1	0.17980	0.004170	0.171809	0.18816
##	3.403	1365	2	0.17954	0.004168	0.171549	0.18789
##	3.403	1363	3	0.17914	0.004166	0.171160	0.18749
##	3.403	1360	2	0.17888	0.004164	0.170900	0.18723
##	3.404	1358	1	0.17875	0.004163	0.170771	0.18709
##	3.404	1357	1	0.17861	0.004162	0.170641	0.18696
##	3.407	1354	1	0.17848	0.004161	0.170511	0.18683
##	3.408	1353	1	0.17835	0.004160	0.170381	0.18669
##	3.410	1352	1	0.17822	0.004159	0.170251	0.18656
##	3.414	1350	1	0.17809	0.004158	0.170121	0.18642
##	3.419	1349	4	0.17756	0.004154	0.169601	0.18589
##	3.419	1345	4	0.17703	0.004150	0.169081	0.18535
##	3.420	1340	2	0.17677	0.004148	0.168821	0.18509
##	3.420	1337	1	0.17663	0.004147	0.168690	0.18495
##	3.420	1336	1	0.17650	0.004146	0.168560	0.18482
##	3.420	1335	1	0.17637	0.004145	0.168430	0.18468
##	3.421	1334	1	0.17624	0.004144	0.168300	0.18455
##	3.421	1333	1	0.17610	0.004143	0.168170	0.18441
##	3.425	1331	1	0.17597	0.004142	0.168039	0.18428
##	3.426	1329	1	0.17584	0.004141	0.167909	0.18415
##	3.427	1328	1	0.17571	0.004140	0.167779	0.18401
##	3.436	1327	1	0.17558	0.004139	0.167648	0.18388
##	3.436	1324	1	0.17544	0.004138	0.167518	0.18374
##	3.436	1322	2	0.17518	0.004136	0.167256	0.18347
##	3.437	1320	1	0.17504	0.004135	0.167125	0.18334
##	3.437	1318	1	0.17491	0.004134	0.166995	0.18320
##	3.437	1317	1	0.17478	0.004133	0.166864	0.18307
##	3.438	1316	1	0.17465	0.004132	0.166733	0.18293
##	3.438	1315	1	0.17451	0.004131	0.166602	0.18280
##	3.441	1314	1	0.17438	0.004130	0.166472	0.18267
##	3.446	1313	1	0.17425	0.004129	0.166341	0.18253
##	3.453	1312	2	0.17398	0.004127	0.166079	0.18226
##	3.453	1308	3	0.17358	0.004124	0.165686	0.18186
##	3.453	1305	2	0.17332	0.004122	0.165424	0.18159

##	3.454	1303	2	0.17305	0.004120	0.165162	0.18132
##	3.458	1301	1	0.17292	0.004119	0.165031	0.18118
##	3.462	1300	1	0.17279	0.004118	0.164900	0.18105
##	3.463	1299	1	0.17265	0.004117	0.164769	0.18091
##	3.469	1298	1	0.17252	0.004115	0.164639	0.18078
##	3.470	1297	1	0.17239	0.004114	0.164508	0.18064
##	3.470	1296	2	0.17212	0.004112	0.164246	0.18037
##	3.470	1294	1	0.17199	0.004111	0.164115	0.18024
##	3.470	1292	2	0.17172	0.004109	0.163853	0.17997
##	3.472	1290	1	0.17159	0.004108	0.163722	0.17983
##	3.473	1288	1	0.17145	0.004107	0.163590	0.17970
##	3.474	1287	1	0.17132	0.004106	0.163459	0.17956
##	3.475	1286	1	0.17119	0.004105	0.163328	0.17943
##	3.475	1285	1	0.17105	0.004104	0.163197	0.17929
##	3.476	1284	1	0.17092	0.004103	0.163066	0.17916
##	3.476	1283	1	0.17079	0.004102	0.162935	0.17902
##	3.486	1282	1	0.17066	0.004101	0.162804	0.17889
##	3.486	1281	1	0.17052	0.004100	0.162672	0.17875
##	3.486	1280	2	0.17026	0.004098	0.162410	0.17848
##	3.486	1278	2	0.16999	0.004096	0.162148	0.17821
##	3.486	1276	1	0.16986	0.004095	0.162017	0.17807
##	3.487	1274	1	0.16972	0.004094	0.161886	0.17794
##	3.487	1272	1	0.16959	0.004093	0.161754	0.17780
##	3.490	1271	1	0.16946	0.004092	0.161623	0.17767
##	3.490	1270	1	0.16932	0.004091	0.161492	0.17753
##	3.490	1269	1	0.16919	0.004090	0.161360	0.17740
##	3.491	1268	1	0.16906	0.004089	0.161229	0.17726
##	3.491	1267	1	0.16892	0.004087	0.161098	0.17713
##	3.493	1265	1	0.16879	0.004086	0.160966	0.17699
##	3.503	1264	2	0.16852	0.004084	0.160703	0.17672
##	3.503	1262	2	0.16825	0.004082	0.160440	0.17645
##	3.503	1259	4	0.16772	0.004078	0.159914	0.17591
##	3.503	1253	1	0.16759	0.004077	0.159783	0.17577
##	3.504	1252	1	0.16745	0.004076	0.159651	0.17563
##	3.507	1250	1	0.16732	0.004075	0.159519	0.17550
##	3.520	1248	1	0.16718	0.004074	0.159387	0.17536
##	3.520	1247	1	0.16705	0.004073	0.159255	0.17523
##	3.520	1245	3	0.16665	0.004069	0.158859	0.17482
##	3.520	1242	1	0.16651	0.004068	0.158727	0.17468
##	3.520	1241	1	0.16638	0.004067	0.158595	0.17454
##	3.520	1240	2	0.16611	0.004065	0.158331	0.17427
##	3.520	1238	1	0.16598	0.004064	0.158199	0.17414
##	3.521	1237	1	0.16584	0.004063	0.158067	0.17400
##	3.523	1236	1	0.16571	0.004062	0.157935	0.17386
##	3.523	1235	1	0.16557	0.004061	0.157803	0.17373
##	3.529	1234	1	0.16544	0.004060	0.157671	0.17359
##	3.529	1233	1	0.16531	0.004059	0.157539	0.17346
##	3.529	1232	1	0.16517	0.004058	0.157407	0.17332
##	3.536	1230	1	0.16504	0.004057	0.157275	0.17318
##	3.536	1229	1	0.16490	0.004056	0.157143	0.17305
##	3.536	1228	1	0.16477	0.004054	0.157010	0.17291
##	3.536	1227	1	0.16463	0.004053	0.156878	0.17277
##	3.537	1226	2	0.16437	0.004051	0.156614	0.17250
##	3.537	1224	3	0.16396	0.004048	0.156218	0.17209

##	3.537	1221	1	0.16383	0.004047	0.156086	0.17196
##	3.537	1220	1	0.16369	0.004046	0.155954	0.17182
##	3.538	1219	1	0.16356	0.004045	0.155821	0.17168
##	3.546	1218	1	0.16343	0.004044	0.155689	0.17155
##	3.553	1217	4	0.16289	0.004039	0.155161	0.17100
##	3.553	1213	1	0.16275	0.004038	0.155029	0.17086
##	3.553	1212	1	0.16262	0.004037	0.154897	0.17073
##	3.553	1209	6	0.16181	0.004030	0.154103	0.16991
##	3.553	1203	2	0.16154	0.004028	0.153839	0.16964
##	3.554	1201	1	0.16141	0.004027	0.153706	0.16950
##	3.555	1200	1	0.16127	0.004026	0.153574	0.16936
##	3.555	1199	1	0.16114	0.004025	0.153442	0.16923
##	3.564	1198	1	0.16101	0.004024	0.153309	0.16909
##	3.570	1197	1	0.16087	0.004023	0.153177	0.16895
##	3.570	1196	1	0.16074	0.004022	0.153045	0.16882
##	3.570	1195	2	0.16047	0.004019	0.152780	0.16854
##	3.570	1193	1	0.16033	0.004018	0.152648	0.16841
##	3.570	1191	1	0.16020	0.004017	0.152516	0.16827
##	3.570	1190	1	0.16006	0.004016	0.152383	0.16813
##	3.570	1188	1	0.15993	0.004015	0.152251	0.16800
##	3.573	1185	1	0.15979	0.004014	0.152118	0.16786
##	3.579	1184	1	0.15966	0.004013	0.151985	0.16772
##	3.580	1183	1	0.15952	0.004011	0.151853	0.16758
##	3.586	1182	2	0.15925	0.004009	0.151587	0.16731
##	3.586	1180	1	0.15912	0.004008	0.151455	0.16717
##	3.587	1178	3	0.15871	0.004005	0.151056	0.16676
##	3.587	1175	1	0.15858	0.004004	0.150923	0.16662
##	3.587	1174	1	0.15844	0.004002	0.150791	0.16649
##	3.589	1173	1	0.15831	0.004001	0.150658	0.16635
##	3.590	1172	1	0.15817	0.004000	0.150525	0.16621
##	3.590	1171	1	0.15804	0.003999	0.150392	0.16607
##	3.593	1169	2	0.15777	0.003997	0.150126	0.16580
##	3.595	1167	1	0.15763	0.003996	0.149993	0.16566
##	3.596	1166	1	0.15750	0.003994	0.149861	0.16553
##	3.597	1165	1	0.15736	0.003993	0.149728	0.16539
##	3.603	1164	3	0.15696	0.003990	0.149329	0.16498
##	3.603	1161	2	0.15669	0.003988	0.149063	0.16470
##	3.603	1158	2	0.15642	0.003985	0.148797	0.16443
##	3.603	1156	1	0.15628	0.003984	0.148664	0.16429
##	3.603	1155	1	0.15615	0.003983	0.148531	0.16415
##	3.604	1154	1	0.15601	0.003982	0.148398	0.16401
##	3.604	1153	1	0.15588	0.003981	0.148265	0.16388
##	3.605	1152	1	0.15574	0.003980	0.148132	0.16374
##	3.606	1151	1	0.15560	0.003978	0.147999	0.16360
##	3.606	1150	1	0.15547	0.003977	0.147866	0.16346
##	3.610	1148	1	0.15533	0.003976	0.147733	0.16333
##	3.610	1147	1	0.15520	0.003975	0.147600	0.16319
##	3.611	1146	1	0.15506	0.003974	0.147467	0.16305
##	3.614	1145	1	0.15493	0.003973	0.147334	0.16291
##	3.620	1144	2	0.15466	0.003970	0.147068	0.16264
##	3.620	1142	1	0.15452	0.003969	0.146935	0.16250
##	3.620	1141	1	0.15439	0.003968	0.146802	0.16236
##	3.620	1138	1	0.15425	0.003967	0.146668	0.16222
##	3.620	1137	1	0.15411	0.003966	0.146535	0.16209

##	3.621	1136	2	0.15384	0.003963	0.146268	0.16181
##	3.622	1134	1	0.15371	0.003962	0.146135	0.16167
##	3.623	1133	1	0.15357	0.003961	0.146002	0.16153
##	3.625	1132	1	0.15344	0.003960	0.145868	0.16140
##	3.625	1131	1	0.15330	0.003959	0.145735	0.16126
##	3.629	1130	1	0.15316	0.003957	0.145602	0.16112
##	3.636	1129	1	0.15303	0.003956	0.145468	0.16098
##	3.636	1128	2	0.15276	0.003954	0.145202	0.16071
##	3.636	1124	2	0.15249	0.003951	0.144935	0.16043
##	3.637	1122	1	0.15235	0.003950	0.144801	0.16029
##	3.637	1121	1	0.15221	0.003949	0.144668	0.16015
##	3.653	1120	2	0.15194	0.003947	0.144401	0.15988
##	3.653	1118	1	0.15181	0.003945	0.144267	0.15974
##	3.653	1117	1	0.15167	0.003944	0.144134	0.15960
##	3.654	1113	1	0.15153	0.003943	0.144000	0.15946
##	3.654	1110	1	0.15140	0.003942	0.143866	0.15932
##	3.657	1109	1	0.15126	0.003941	0.143732	0.15919
##	3.663	1108	1	0.15112	0.003940	0.143597	0.15905
##	3.670	1107	1	0.15099	0.003938	0.143463	0.15891
##	3.670	1106	3	0.15058	0.003935	0.143061	0.15849
##	3.670	1103	4	0.15003	0.003930	0.142524	0.15794
##	3.671	1096	1	0.14990	0.003929	0.142390	0.15780
##	3.676	1095	1	0.14976	0.003928	0.142256	0.15766
##	3.686	1093	1	0.14962	0.003926	0.142121	0.15752
##	3.686	1092	1	0.14948	0.003925	0.141986	0.15738
##	3.686	1090	1	0.14935	0.003924	0.141852	0.15724
##	3.687	1089	1	0.14921	0.003923	0.141717	0.15710
##	3.687	1087	4	0.14866	0.003918	0.141178	0.15654
##	3.687	1081	1	0.14852	0.003917	0.141042	0.15640
##	3.687	1080	1	0.14839	0.003915	0.140907	0.15626
##	3.687	1079	1	0.14825	0.003914	0.140772	0.15612
##	3.694	1078	1	0.14811	0.003913	0.140637	0.15598
##	3.703	1077	3	0.14770	0.003909	0.140232	0.15556
##	3.703	1074	2	0.14742	0.003907	0.139962	0.15528
##	3.703	1072	3	0.14701	0.003903	0.139557	0.15486
##	3.703	1068	2	0.14674	0.003901	0.139286	0.15458
##	3.704	1065	2	0.14646	0.003898	0.139016	0.15430
##	3.704	1063	1	0.14632	0.003897	0.138880	0.15416
##	3.706	1062	1	0.14618	0.003896	0.138745	0.15402
##	3.709	1061	1	0.14605	0.003895	0.138610	0.15388
##	3.720	1059	1	0.14591	0.003893	0.138474	0.15374
##	3.720	1058	1	0.14577	0.003892	0.138339	0.15360
##	3.720	1057	1	0.14563	0.003891	0.138203	0.15346
##	3.723	1054	1	0.14550	0.003890	0.138068	0.15332
##	3.724	1053	1	0.14536	0.003888	0.137932	0.15318
##	3.724	1052	1	0.14522	0.003887	0.137796	0.15304
##	3.736	1051	1	0.14508	0.003886	0.137661	0.15290
##	3.737	1050	3	0.14467	0.003882	0.137254	0.15248
##	3.737	1045	1	0.14453	0.003881	0.137118	0.15234
##	3.737	1041	1	0.14439	0.003880	0.136982	0.15220
##	3.738	1040	1	0.14425	0.003878	0.136845	0.15206
##	3.753	1039	1	0.14411	0.003877	0.136709	0.15191
##	3.753	1038	2	0.14383	0.003875	0.136436	0.15163
##	3.753	1036	2	0.14356	0.003872	0.136164	0.15135

##	3.753	1033	1	0.14342	0.003871	0.136027	0.15121
##	3.753	1030	1	0.14328	0.003870	0.135890	0.15107
##	3.755	1028	1	0.14314	0.003868	0.135754	0.15092
##	3.757	1027	1	0.14300	0.003867	0.135617	0.15078
##	3.770	1026	1	0.14286	0.003866	0.135480	0.15064
##	3.770	1025	1	0.14272	0.003865	0.135343	0.15050
##	3.770	1024	5	0.14202	0.003858	0.134659	0.14979
##	3.770	1018	1	0.14188	0.003857	0.134522	0.14965
##	3.770	1017	1	0.14174	0.003856	0.134385	0.14951
##	3.771	1015	1	0.14160	0.003855	0.134248	0.14936
##	3.771	1014	1	0.14146	0.003853	0.134111	0.14922
##	3.786	1013	2	0.14119	0.003851	0.133837	0.14894
##	3.787	1011	2	0.14091	0.003848	0.133562	0.14865
##	3.787	1007	2	0.14063	0.003846	0.133288	0.14837
##	3.788	1003	1	0.14049	0.003844	0.133150	0.14823
##	3.792	1002	1	0.14035	0.003843	0.133012	0.14808
##	3.803	1001	1	0.14021	0.003842	0.132875	0.14794
##	3.803	1000	1	0.14007	0.003840	0.132737	0.14780
##	3.803	998	1	0.13993	0.003839	0.132599	0.14766
##	3.804	995	2	0.13964	0.003837	0.132323	0.14737
##	3.804	993	2	0.13936	0.003834	0.132047	0.14708
##	3.804	991	1	0.13922	0.003833	0.131909	0.14694
##	3.808	987	1	0.13908	0.003831	0.131771	0.14680
##	3.820	986	1	0.13894	0.003830	0.131632	0.14665
##	3.820	983	1	0.13880	0.003829	0.131493	0.14651
##	3.820	982	1	0.13866	0.003828	0.131355	0.14637
##	3.820	981	2	0.13837	0.003825	0.131077	0.14608
##	3.821	978	1	0.13823	0.003824	0.130938	0.14593
##	3.821	977	1	0.13809	0.003822	0.130800	0.14579
##	3.836	975	1	0.13795	0.003821	0.130660	0.14565
##	3.837	970	1	0.13781	0.003820	0.130521	0.14550
##	3.837	969	2	0.13752	0.003817	0.130242	0.14521
##	3.837	966	4	0.13695	0.003812	0.129683	0.14463
##	3.837	962	3	0.13653	0.003808	0.129263	0.14420
##	3.838	958	1	0.13638	0.003807	0.129124	0.14405
##	3.844	957	1	0.13624	0.003805	0.128984	0.14391
##	3.853	956	1	0.13610	0.003804	0.128844	0.14376
##	3.853	954	2	0.13581	0.003802	0.128564	0.14347
##	3.853	952	2	0.13553	0.003799	0.128284	0.14318
##	3.854	950	1	0.13539	0.003798	0.128144	0.14304
##	3.854	949	1	0.13524	0.003796	0.128004	0.14289
##	3.854	947	1	0.13510	0.003795	0.127864	0.14275
##	3.854	944	1	0.13496	0.003794	0.127723	0.14260
##	3.855	943	1	0.13481	0.003792	0.127583	0.14246
##	3.870	939	1	0.13467	0.003791	0.127442	0.14231
##	3.870	938	1	0.13453	0.003790	0.127301	0.14216
##	3.870	937	2	0.13424	0.003787	0.127019	0.14187
##	3.870	935	2	0.13395	0.003784	0.126737	0.14158
##	3.872	933	1	0.13381	0.003783	0.126596	0.14143
##	3.876	932	1	0.13367	0.003782	0.126456	0.14129
##	3.877	931	1	0.13352	0.003780	0.126315	0.14114
##	3.886	929	1	0.13338	0.003779	0.126174	0.14099
##	3.887	928	1	0.13323	0.003778	0.126033	0.14085
##	3.887	927	2	0.13295	0.003775	0.125751	0.14056

##	3.887	924	2	0.13266	0.003772	0.125468	0.14026
##	3.887	921	1	0.13252	0.003771	0.125327	0.14012
##	3.887	920	1	0.13237	0.003770	0.125186	0.13997
##	3.888	918	1	0.13223	0.003768	0.125044	0.13982
##	3.893	917	1	0.13208	0.003767	0.124903	0.13968
##	3.903	916	1	0.13194	0.003766	0.124761	0.13953
##	3.903	915	3	0.13151	0.003761	0.124337	0.13909
##	3.903	912	1	0.13136	0.003760	0.124195	0.13894
##	3.904	911	1	0.13122	0.003759	0.124054	0.13880
##	3.905	910	1	0.13107	0.003757	0.123912	0.13865
##	3.909	909	1	0.13093	0.003756	0.123771	0.13850
##	3.920	907	1	0.13079	0.003755	0.123629	0.13835
##	3.920	905	4	0.13021	0.003749	0.123062	0.13777
##	3.920	901	3	0.12977	0.003745	0.122637	0.13733
##	3.920	898	1	0.12963	0.003744	0.122495	0.13718
##	3.923	896	1	0.12948	0.003742	0.122354	0.13703
##	3.925	895	1	0.12934	0.003741	0.122212	0.13688
##	3.926	894	2	0.12905	0.003738	0.121928	0.13659
##	3.937	892	5	0.12833	0.003731	0.121219	0.13585
##	3.937	886	1	0.12818	0.003730	0.121077	0.13570
##	3.937	884	3	0.12775	0.003725	0.120650	0.13526
##	3.937	881	1	0.12760	0.003724	0.120508	0.13511
##	3.938	880	1	0.12746	0.003723	0.120366	0.13497
##	3.939	879	1	0.12731	0.003721	0.120224	0.13482
##	3.953	878	2	0.12702	0.003718	0.119939	0.13452
##	3.954	876	2	0.12673	0.003716	0.119655	0.13423
##	3.954	873	1	0.12659	0.003714	0.119513	0.13408
##	3.954	872	1	0.12644	0.003713	0.119370	0.13393
##	3.954	871	1	0.12630	0.003711	0.119228	0.13378
##	3.954	870	1	0.12615	0.003710	0.119086	0.13364
##	3.955	868	1	0.12601	0.003708	0.118943	0.13349
##	3.959	867	1	0.12586	0.003707	0.118801	0.13334
##	3.961	865	1	0.12572	0.003706	0.118658	0.13319
##	3.961	864	1	0.12557	0.003704	0.118516	0.13304
##	3.970	862	1	0.12542	0.003703	0.118373	0.13290
##	3.970	861	1	0.12528	0.003701	0.118230	0.13275
##	3.970	860	2	0.12499	0.003698	0.117944	0.13245
##	3.976	856	1	0.12484	0.003697	0.117801	0.13230
##	3.986	854	1	0.12469	0.003696	0.117658	0.13215
##	3.986	853	1	0.12455	0.003694	0.117515	0.13200
##	3.987	851	1	0.12440	0.003693	0.117371	0.13185
##	3.987	850	2	0.12411	0.003690	0.117084	0.13156
##	3.987	848	1	0.12396	0.003688	0.116941	0.13141
##	4.003	843	1	0.12382	0.003687	0.116797	0.13126
##	4.004	842	3	0.12337	0.003682	0.116365	0.13081
##	4.004	839	1	0.12323	0.003681	0.116220	0.13066
##	4.004	838	1	0.12308	0.003680	0.116076	0.13051
##	4.004	837	1	0.12293	0.003678	0.115932	0.13036
##	4.004	836	1	0.12279	0.003677	0.115788	0.13021
##	4.005	835	1	0.12264	0.003675	0.115644	0.13006
##	4.005	834	1	0.12249	0.003674	0.115500	0.12991
##	4.008	831	1	0.12235	0.003672	0.115355	0.12976
##	4.009	830	1	0.12220	0.003671	0.115211	0.12961
##	4.020	829	2	0.12190	0.003668	0.114922	0.12931

##	4.020	826	1	0.12176	0.003666	0.114777	0.12916
##	4.021	824	1	0.12161	0.003665	0.114633	0.12901
##	4.021	823	1	0.12146	0.003663	0.114488	0.12886
##	4.023	822	1	0.12131	0.003662	0.114343	0.12871
##	4.026	820	1	0.12116	0.003660	0.114198	0.12856
##	4.026	819	1	0.12102	0.003659	0.114053	0.12840
##	4.037	816	2	0.12072	0.003656	0.113763	0.12810
##	4.053	813	1	0.12057	0.003655	0.113617	0.12795
##	4.053	811	2	0.12027	0.003652	0.113326	0.12765
##	4.054	806	3	0.11983	0.003647	0.112887	0.12719
##	4.054	802	1	0.11968	0.003646	0.112741	0.12704
##	4.055	800	1	0.11953	0.003644	0.112594	0.12689
##	4.056	799	1	0.11938	0.003643	0.112447	0.12673
##	4.060	798	2	0.11908	0.003640	0.112154	0.12643
##	4.060	796	1	0.11893	0.003638	0.112008	0.12628
##	4.070	795	1	0.11878	0.003637	0.111861	0.12613
##	4.070	794	1	0.11863	0.003635	0.111715	0.12597
##	4.070	790	2	0.11833	0.003632	0.111420	0.12567
##	4.071	788	1	0.11818	0.003631	0.111273	0.12551
##	4.072	787	1	0.11803	0.003629	0.111126	0.12536
##	4.074	786	1	0.11788	0.003628	0.110979	0.12521
##	4.078	785	1	0.11773	0.003626	0.110832	0.12505
##	4.087	784	1	0.11758	0.003625	0.110685	0.12490
##	4.087	783	1	0.11743	0.003623	0.110538	0.12475
##	4.087	782	1	0.11728	0.003622	0.110391	0.12460
##	4.087	781	2	0.11698	0.003618	0.110096	0.12429
##	4.087	779	1	0.11683	0.003617	0.109949	0.12414
##	4.089	778	1	0.11668	0.003615	0.109802	0.12398
##	4.090	776	1	0.11653	0.003614	0.109655	0.12383
##	4.091	775	1	0.11638	0.003612	0.109508	0.12368
##	4.092	774	1	0.11623	0.003611	0.109360	0.12352
##	4.093	773	1	0.11608	0.003609	0.109213	0.12337
##	4.094	772	1	0.11593	0.003608	0.109066	0.12322
##	4.103	771	1	0.11578	0.003606	0.108919	0.12306
##	4.103	770	1	0.11562	0.003605	0.108772	0.12291
##	4.104	768	2	0.11532	0.003602	0.108477	0.12260
##	4.104	766	1	0.11517	0.003600	0.108329	0.12245
##	4.108	764	1	0.11502	0.003598	0.108182	0.12230
##	4.110	763	1	0.11487	0.003597	0.108034	0.12214
##	4.120	762	1	0.11472	0.003595	0.107886	0.12199
##	4.120	760	1	0.11457	0.003594	0.107739	0.12183
##	4.120	759	2	0.11427	0.003591	0.107443	0.12153
##	4.120	755	2	0.11397	0.003587	0.107147	0.12122
##	4.120	753	1	0.11381	0.003586	0.106999	0.12106
##	4.121	752	1	0.11366	0.003584	0.106850	0.12091
##	4.121	751	1	0.11351	0.003583	0.106702	0.12076
##	4.121	750	1	0.11336	0.003581	0.106554	0.12060
##	4.121	749	1	0.11321	0.003580	0.106406	0.12045
##	4.125	748	1	0.11306	0.003578	0.106258	0.12029
##	4.126	747	1	0.11291	0.003576	0.106110	0.12014
##	4.128	746	1	0.11275	0.003575	0.105962	0.11998
##	4.136	745	1	0.11260	0.003573	0.105813	0.11983
##	4.137	743	1	0.11245	0.003572	0.105665	0.11967
##	4.137	740	1	0.11230	0.003570	0.105516	0.11952

##	4.137	738	2	0.11200	0.003567	0.105218	0.11921
##	4.138	736	1	0.11184	0.003565	0.105070	0.11905
##	4.142	735	1	0.11169	0.003564	0.104921	0.11890
##	4.143	734	1	0.11154	0.003562	0.104772	0.11874
##	4.145	733	1	0.11139	0.003560	0.104623	0.11859
##	4.153	732	1	0.11123	0.003559	0.104474	0.11843
##	4.153	731	1	0.11108	0.003557	0.104325	0.11828
##	4.154	727	1	0.11093	0.003556	0.104175	0.11812
##	4.154	726	1	0.11078	0.003554	0.104026	0.11797
##	4.155	725	1	0.11062	0.003552	0.103876	0.11781
##	4.156	724	1	0.11047	0.003551	0.103727	0.11765
##	4.157	723	1	0.11032	0.003549	0.103577	0.11750
##	4.158	722	1	0.11017	0.003547	0.103428	0.11734
##	4.162	721	1	0.11001	0.003546	0.103278	0.11719
##	4.163	720	1	0.10986	0.003544	0.103129	0.11703
##	4.170	719	1	0.10971	0.003543	0.102979	0.11688
##	4.170	718	2	0.10940	0.003539	0.102680	0.11656
##	4.171	715	1	0.10925	0.003538	0.102531	0.11641
##	4.171	714	1	0.10910	0.003536	0.102381	0.11625
##	4.171	713	1	0.10894	0.003534	0.102231	0.11609
##	4.173	712	1	0.10879	0.003533	0.102082	0.11594
##	4.174	711	1	0.10864	0.003531	0.101932	0.11578
##	4.187	710	1	0.10848	0.003529	0.101782	0.11563
##	4.187	709	2	0.10818	0.003526	0.101483	0.11531
##	4.187	706	2	0.10787	0.003523	0.101183	0.11500
##	4.189	704	1	0.10772	0.003521	0.101033	0.11484
##	4.195	703	1	0.10756	0.003519	0.100884	0.11469
##	4.204	702	1	0.10741	0.003518	0.100734	0.11453
##	4.204	701	1	0.10726	0.003516	0.100584	0.11438
##	4.204	700	1	0.10711	0.003514	0.100434	0.11422
##	4.209	697	1	0.10695	0.003513	0.100284	0.11406
##	4.215	696	1	0.10680	0.003511	0.100134	0.11391
##	4.221	695	1	0.10664	0.003509	0.099983	0.11375
##	4.221	694	1	0.10649	0.003508	0.099833	0.11359
##	4.222	693	1	0.10634	0.003506	0.099683	0.11343
##	4.237	688	1	0.10618	0.003504	0.099532	0.11328
##	4.239	687	1	0.10603	0.003502	0.099381	0.11312
##	4.247	685	1	0.10587	0.003501	0.099229	0.11296
##	4.253	684	2	0.10556	0.003497	0.098926	0.11265
##	4.254	681	2	0.10525	0.003494	0.098623	0.11233
##	4.255	678	1	0.10510	0.003492	0.098472	0.11217
##	4.262	677	1	0.10494	0.003491	0.098320	0.11201
##	4.263	676	1	0.10479	0.003489	0.098168	0.11185
##	4.270	675	1	0.10463	0.003487	0.098016	0.11170
##	4.270	671	2	0.10432	0.003484	0.097711	0.11138
##	4.271	669	1	0.10416	0.003482	0.097559	0.11122
##	4.277	666	1	0.10401	0.003480	0.097406	0.11106
##	4.278	665	1	0.10385	0.003479	0.097253	0.11090
##	4.287	664	1	0.10370	0.003477	0.097100	0.11074
##	4.287	663	1	0.10354	0.003475	0.096947	0.11058
##	4.287	662	2	0.10323	0.003472	0.096641	0.11026
##	4.287	660	1	0.10307	0.003470	0.096488	0.11010
##	4.288	659	1	0.10291	0.003468	0.096336	0.10994
##	4.289	658	1	0.10276	0.003466	0.096183	0.10978

##	4.290	657	1	0.10260	0.003465	0.096030	0.10962
##	4.291	656	1	0.10244	0.003463	0.095877	0.10946
##	4.292	655	1	0.10229	0.003461	0.095724	0.10930
##	4.293	654	1	0.10213	0.003459	0.095571	0.10914
##	4.304	652	1	0.10197	0.003458	0.095418	0.10898
##	4.304	651	1	0.10182	0.003456	0.095265	0.10882
##	4.304	648	1	0.10166	0.003454	0.095112	0.10866
##	4.304	646	1	0.10150	0.003452	0.094958	0.10850
##	4.306	645	1	0.10135	0.003451	0.094804	0.10834
##	4.308	644	1	0.10119	0.003449	0.094650	0.10818
##	4.320	642	2	0.10087	0.003445	0.094342	0.10786
##	4.320	640	1	0.10072	0.003443	0.094188	0.10770
##	4.321	639	2	0.10040	0.003440	0.093880	0.10737
##	4.322	637	1	0.10024	0.003438	0.093726	0.10721
##	4.326	636	1	0.10009	0.003436	0.093572	0.10705
##	4.337	635	1	0.09993	0.003434	0.093418	0.10689
##	4.338	631	1	0.09977	0.003433	0.093263	0.10673
##	4.354	630	2	0.09945	0.003429	0.092954	0.10641
##	4.354	628	2	0.09914	0.003425	0.092645	0.10608
##	4.354	625	1	0.09898	0.003424	0.092490	0.10592
##	4.356	624	1	0.09882	0.003422	0.092335	0.10576
##	4.357	623	1	0.09866	0.003420	0.092180	0.10560
##	4.370	622	1	0.09850	0.003418	0.092025	0.10543
##	4.370	621	1	0.09834	0.003416	0.091870	0.10527
##	4.370	620	3	0.09787	0.003411	0.091405	0.10479
##	4.372	617	1	0.09771	0.003409	0.091250	0.10462
##	4.376	616	1	0.09755	0.003407	0.091095	0.10446
##	4.378	615	1	0.09739	0.003405	0.090940	0.10430
##	4.387	614	1	0.09723	0.003403	0.090786	0.10414
##	4.387	613	1	0.09707	0.003402	0.090631	0.10398
##	4.388	610	2	0.09676	0.003398	0.090320	0.10365
##	4.393	607	1	0.09660	0.003396	0.090164	0.10349
##	4.396	606	1	0.09644	0.003394	0.090009	0.10332
##	4.396	605	1	0.09628	0.003392	0.089853	0.10316
##	4.404	604	1	0.09612	0.003390	0.089697	0.10300
##	4.404	602	4	0.09548	0.003383	0.089074	0.10235
##	4.404	597	1	0.09532	0.003381	0.088918	0.10218
##	4.408	595	1	0.09516	0.003379	0.088762	0.10202
##	4.420	593	1	0.09500	0.003377	0.088605	0.10185
##	4.420	592	1	0.09484	0.003375	0.088448	0.10169
##	4.421	591	1	0.09468	0.003373	0.088292	0.10153
##	4.421	590	1	0.09452	0.003372	0.088135	0.10136
##	4.421	589	1	0.09436	0.003370	0.087978	0.10120
##	4.424	587	1	0.09420	0.003368	0.087822	0.10103
##	4.437	586	1	0.09404	0.003366	0.087665	0.10087
##	4.439	583	1	0.09387	0.003364	0.087507	0.10070
##	4.442	582	1	0.09371	0.003362	0.087350	0.10054
##	4.443	581	1	0.09355	0.003360	0.087192	0.10037
##	4.454	580	1	0.09339	0.003358	0.087035	0.10021
##	4.454	579	1	0.09323	0.003356	0.086878	0.10004
##	4.454	578	1	0.09307	0.003354	0.086720	0.09988
##	4.454	577	2	0.09275	0.003350	0.086406	0.09955
##	4.454	575	1	0.09258	0.003348	0.086248	0.09938
##	4.455	574	1	0.09242	0.003347	0.086091	0.09922

##	4.456	573	1	0.09226	0.003345	0.085933	0.09905
##	4.470	572	1	0.09210	0.003343	0.085776	0.09889
##	4.471	571	2	0.09178	0.003339	0.085462	0.09856
##	4.471	569	1	0.09162	0.003337	0.085304	0.09839
##	4.471	568	1	0.09145	0.003335	0.085147	0.09823
##	4.471	567	1	0.09129	0.003333	0.084990	0.09806
##	4.472	566	1	0.09113	0.003331	0.084832	0.09790
##	4.487	565	1	0.09097	0.003329	0.084675	0.09773
##	4.487	564	1	0.09081	0.003327	0.084518	0.09757
##	4.487	563	1	0.09065	0.003325	0.084361	0.09740
##	4.504	561	1	0.09049	0.003323	0.084203	0.09724
##	4.505	559	1	0.09032	0.003321	0.084045	0.09707
##	4.506	557	1	0.09016	0.003319	0.083887	0.09691
##	4.509	556	1	0.09000	0.003317	0.083729	0.09674
##	4.520	554	1	0.08984	0.003315	0.083571	0.09658
##	4.521	552	1	0.08968	0.003313	0.083412	0.09641
##	4.521	551	1	0.08951	0.003311	0.083253	0.09624
##	4.521	550	1	0.08935	0.003309	0.083095	0.09608
##	4.526	549	1	0.08919	0.003307	0.082936	0.09591
##	4.527	548	1	0.08902	0.003305	0.082777	0.09574
##	4.537	547	1	0.08886	0.003303	0.082619	0.09558
##	4.537	545	1	0.08870	0.003301	0.082460	0.09541
##	4.537	543	1	0.08854	0.003299	0.082301	0.09524
##	4.538	542	1	0.08837	0.003296	0.082141	0.09507
##	4.538	540	1	0.08821	0.003294	0.081982	0.09491
##	4.543	539	1	0.08804	0.003292	0.081822	0.09474
##	4.554	538	1	0.08788	0.003290	0.081663	0.09457
##	4.554	537	1	0.08772	0.003288	0.081503	0.09440
##	4.554	536	1	0.08755	0.003286	0.081344	0.09424
##	4.561	535	1	0.08739	0.003284	0.081184	0.09407
##	4.561	534	1	0.08723	0.003282	0.081025	0.09390
##	4.570	533	1	0.08706	0.003280	0.080866	0.09373
##	4.571	532	2	0.08674	0.003276	0.080547	0.09340
##	4.571	530	1	0.08657	0.003274	0.080387	0.09323
##	4.572	528	1	0.08641	0.003272	0.080228	0.09306
##	4.572	527	1	0.08624	0.003269	0.080068	0.09290
##	4.572	526	1	0.08608	0.003267	0.079908	0.09273
##	4.575	525	1	0.08592	0.003265	0.079749	0.09256
##	4.587	524	1	0.08575	0.003263	0.079589	0.09239
##	4.587	522	1	0.08559	0.003261	0.079429	0.09222
##	4.587	521	1	0.08542	0.003259	0.079269	0.09206
##	4.588	520	1	0.08526	0.003257	0.079109	0.09189
##	4.588	519	1	0.08509	0.003255	0.078949	0.09172
##	4.604	515	2	0.08476	0.003250	0.078627	0.09138
##	4.604	513	2	0.08443	0.003246	0.078305	0.09104
##	4.604	511	2	0.08410	0.003242	0.077984	0.09070
##	4.604	508	1	0.08394	0.003240	0.077822	0.09053
##	4.605	504	1	0.08377	0.003237	0.077660	0.09036
##	4.621	502	2	0.08344	0.003233	0.077335	0.09002
##	4.621	499	1	0.08327	0.003231	0.077172	0.08985
##	4.637	496	1	0.08310	0.003229	0.077009	0.08968
##	4.637	494	2	0.08277	0.003225	0.076681	0.08933
##	4.638	492	1	0.08260	0.003222	0.076517	0.08916
##	4.638	491	1	0.08243	0.003220	0.076354	0.08899

##	4.643	490	1	0.08226	0.003218	0.076190	0.08882
##	4.654	489	1	0.08209	0.003216	0.076026	0.08864
##	4.654	488	2	0.08176	0.003211	0.075698	0.08830
##	4.662	483	1	0.08159	0.003209	0.075534	0.08813
##	4.671	481	1	0.08142	0.003207	0.075368	0.08795
##	4.671	480	1	0.08125	0.003205	0.075203	0.08778
##	4.671	479	1	0.08108	0.003203	0.075038	0.08760
##	4.671	476	1	0.08091	0.003200	0.074872	0.08743
##	4.671	475	1	0.08074	0.003198	0.074707	0.08726
##	4.672	474	1	0.08057	0.003196	0.074541	0.08708
##	4.676	473	1	0.08040	0.003194	0.074375	0.08691
##	4.687	472	2	0.08006	0.003189	0.074043	0.08656
##	4.687	470	2	0.07972	0.003185	0.073712	0.08621
##	4.687	468	1	0.07955	0.003183	0.073546	0.08603
##	4.688	465	1	0.07937	0.003180	0.073379	0.08586
##	4.704	464	1	0.07920	0.003178	0.073213	0.08568
##	4.704	463	1	0.07903	0.003176	0.073047	0.08551
##	4.704	462	1	0.07886	0.003174	0.072880	0.08533
##	4.721	461	1	0.07869	0.003171	0.072714	0.08516
##	4.721	460	1	0.07852	0.003169	0.072547	0.08498
##	4.726	458	1	0.07835	0.003167	0.072380	0.08481
##	4.728	457	1	0.07818	0.003164	0.072214	0.08463
##	4.737	456	1	0.07800	0.003162	0.072047	0.08446
##	4.737	454	1	0.07783	0.003160	0.071880	0.08428
##	4.738	453	1	0.07766	0.003158	0.071713	0.08410
##	4.740	451	1	0.07749	0.003155	0.071545	0.08393
##	4.740	450	1	0.07732	0.003153	0.071378	0.08375
##	4.740	449	1	0.07714	0.003151	0.071210	0.08357
##	4.744	448	1	0.07697	0.003148	0.071043	0.08340
##	4.754	447	1	0.07680	0.003146	0.070875	0.08322
##	4.754	446	1	0.07663	0.003144	0.070708	0.08304
##	4.754	443	1	0.07645	0.003141	0.070540	0.08287
##	4.755	442	1	0.07628	0.003139	0.070371	0.08269
##	4.756	441	1	0.07611	0.003137	0.070203	0.08251
##	4.761	439	1	0.07594	0.003134	0.070035	0.08233
##	4.771	438	2	0.07559	0.003129	0.069698	0.08198
##	4.771	435	1	0.07542	0.003127	0.069529	0.08180
##	4.772	434	1	0.07524	0.003125	0.069360	0.08162
##	4.787	433	1	0.07507	0.003122	0.069191	0.08144
##	4.787	432	1	0.07489	0.003120	0.069022	0.08127
##	4.787	431	1	0.07472	0.003117	0.068853	0.08109
##	4.788	430	2	0.07437	0.003113	0.068515	0.08073
##	4.789	426	1	0.07420	0.003110	0.068346	0.08055
##	4.791	425	1	0.07402	0.003108	0.068176	0.08037
##	4.804	421	1	0.07385	0.003105	0.068005	0.08019
##	4.804	420	1	0.07367	0.003103	0.067834	0.08001
##	4.804	419	1	0.07350	0.003101	0.067663	0.07983
##	4.806	417	1	0.07332	0.003098	0.067492	0.07965
##	4.821	416	3	0.07279	0.003091	0.066978	0.07911
##	4.821	413	2	0.07244	0.003086	0.066636	0.07875
##	4.821	411	1	0.07226	0.003083	0.066465	0.07857
##	4.821	410	1	0.07209	0.003081	0.066293	0.07838
##	4.837	408	1	0.07191	0.003078	0.066122	0.07820
##	4.838	407	1	0.07173	0.003076	0.065950	0.07802

##	4.842	404	1	0.07155	0.003073	0.065778	0.07784
##	4.854	403	1	0.07138	0.003071	0.065605	0.07766
##	4.854	401	1	0.07120	0.003068	0.065432	0.07747
##	4.854	400	1	0.07102	0.003066	0.065260	0.07729
##	4.856	399	1	0.07084	0.003063	0.065087	0.07711
##	4.871	398	1	0.07067	0.003061	0.064914	0.07693
##	4.887	396	1	0.07049	0.003058	0.064741	0.07674
##	4.888	395	1	0.07031	0.003056	0.064567	0.07656
##	4.904	394	1	0.07013	0.003053	0.064394	0.07638
##	4.904	393	1	0.06995	0.003051	0.064221	0.07619
##	4.904	392	1	0.06977	0.003048	0.064048	0.07601
##	4.904	391	1	0.06959	0.003046	0.063874	0.07583
##	4.908	390	1	0.06942	0.003043	0.063701	0.07564
##	4.921	387	1	0.06924	0.003040	0.063527	0.07546
##	4.923	385	1	0.06906	0.003038	0.063353	0.07528
##	4.938	383	1	0.06888	0.003035	0.063178	0.07509
##	4.938	382	1	0.06870	0.003033	0.063003	0.07490
##	4.938	381	1	0.06852	0.003030	0.062828	0.07472
##	4.942	380	1	0.06834	0.003027	0.062653	0.07453
##	4.944	379	1	0.06816	0.003025	0.062478	0.07435
##	4.955	376	1	0.06797	0.003022	0.062302	0.07416
##	4.963	374	1	0.06779	0.003020	0.062125	0.07398
##	4.971	373	1	0.06761	0.003017	0.061949	0.07379
##	4.971	372	1	0.06743	0.003014	0.061773	0.07360
##	4.971	371	1	0.06725	0.003012	0.061596	0.07342
##	4.972	370	1	0.06707	0.003009	0.061420	0.07323
##	4.988	368	2	0.06670	0.003004	0.061066	0.07286
##	4.992	364	1	0.06652	0.003001	0.060889	0.07267
##	5.004	362	1	0.06633	0.002998	0.060710	0.07248
##	5.004	361	1	0.06615	0.002996	0.060532	0.07229
##	5.005	360	1	0.06597	0.002993	0.060354	0.07210
##	5.006	359	1	0.06578	0.002990	0.060176	0.07191
##	5.009	358	1	0.06560	0.002987	0.059997	0.07172
##	5.021	355	1	0.06541	0.002985	0.059818	0.07153
##	5.045	352	1	0.06523	0.002982	0.059638	0.07134
##	5.054	351	2	0.06486	0.002977	0.059277	0.07096
##	5.054	348	1	0.06467	0.002974	0.059097	0.07077
##	5.054	347	1	0.06448	0.002971	0.058916	0.07058
##	5.054	346	1	0.06430	0.002968	0.058735	0.07039
##	5.059	343	1	0.06411	0.002966	0.058553	0.07019
##	5.062	342	1	0.06392	0.002963	0.058371	0.07000
##	5.071	341	1	0.06374	0.002960	0.058190	0.06981
##	5.071	340	1	0.06355	0.002957	0.058008	0.06962
##	5.076	338	1	0.06336	0.002955	0.057826	0.06942
##	5.078	337	1	0.06317	0.002952	0.057643	0.06923
##	5.087	336	1	0.06298	0.002949	0.057461	0.06904
##	5.088	335	2	0.06261	0.002943	0.057097	0.06865
##	5.088	333	1	0.06242	0.002941	0.056914	0.06846
##	5.104	332	1	0.06223	0.002938	0.056732	0.06826
##	5.105	330	1	0.06204	0.002935	0.056550	0.06807
##	5.105	327	1	0.06185	0.002932	0.056366	0.06788
##	5.106	326	1	0.06166	0.002929	0.056182	0.06768
##	5.110	325	1	0.06147	0.002926	0.055998	0.06749
##	5.121	324	1	0.06128	0.002923	0.055814	0.06729

##	5.138	323	1	0.06109	0.002920	0.055630	0.06710
##	5.138	321	1	0.06090	0.002918	0.055446	0.06690
##	5.138	319	2	0.06052	0.002912	0.055076	0.06651
##	5.138	317	1	0.06033	0.002909	0.054891	0.06631
##	5.139	316	1	0.06014	0.002906	0.054706	0.06611
##	5.144	315	1	0.05995	0.002903	0.054522	0.06592
##	5.154	314	1	0.05976	0.002900	0.054337	0.06572
##	5.154	313	2	0.05938	0.002894	0.053967	0.06533
##	5.155	311	1	0.05919	0.002891	0.053783	0.06513
##	5.155	310	1	0.05899	0.002888	0.053598	0.06494
##	5.171	308	1	0.05880	0.002885	0.053413	0.06474
##	5.171	307	1	0.05861	0.002882	0.053227	0.06454
##	5.172	305	1	0.05842	0.002879	0.053041	0.06434
##	5.177	304	1	0.05823	0.002876	0.052855	0.06415
##	5.188	303	1	0.05804	0.002873	0.052670	0.06395
##	5.188	302	1	0.05784	0.002870	0.052484	0.06375
##	5.188	300	1	0.05765	0.002866	0.052297	0.06355
##	5.188	299	1	0.05746	0.002863	0.052111	0.06335
##	5.198	298	1	0.05726	0.002860	0.051925	0.06315
##	5.202	297	1	0.05707	0.002857	0.051738	0.06296
##	5.221	295	1	0.05688	0.002854	0.051551	0.06276
##	5.221	294	1	0.05669	0.002851	0.051364	0.06256
##	5.225	292	1	0.05649	0.002848	0.051177	0.06236
##	5.231	290	1	0.05630	0.002844	0.050988	0.06216
##	5.237	289	1	0.05610	0.002841	0.050800	0.06196
##	5.238	288	1	0.05591	0.002838	0.050612	0.06176
##	5.248	287	1	0.05571	0.002835	0.050424	0.06155
##	5.255	286	1	0.05552	0.002832	0.050235	0.06135
##	5.255	285	1	0.05532	0.002828	0.050047	0.06115
##	5.271	284	1	0.05513	0.002825	0.049859	0.06095
##	5.271	283	1	0.05493	0.002822	0.049671	0.06075
##	5.272	282	1	0.05474	0.002819	0.049483	0.06055
##	5.272	280	1	0.05454	0.002815	0.049294	0.06035
##	5.288	279	1	0.05435	0.002812	0.049106	0.06015
##	5.289	277	1	0.05415	0.002809	0.048916	0.05994
##	5.297	275	1	0.05395	0.002805	0.048726	0.05974
##	5.310	274	1	0.05376	0.002802	0.048536	0.05954
##	5.321	273	1	0.05356	0.002799	0.048346	0.05934
##	5.321	272	1	0.05336	0.002795	0.048156	0.05913
##	5.321	271	3	0.05277	0.002785	0.047586	0.05852
##	5.321	267	1	0.05257	0.002782	0.047396	0.05832
##	5.325	266	1	0.05238	0.002778	0.047205	0.05812
##	5.331	265	1	0.05218	0.002775	0.047015	0.05791
##	5.338	264	1	0.05198	0.002771	0.046824	0.05771
##	5.338	263	1	0.05178	0.002768	0.046634	0.05750
##	5.338	262	1	0.05159	0.002764	0.046443	0.05730
##	5.340	261	1	0.05139	0.002761	0.046253	0.05709
##	5.343	260	1	0.05119	0.002757	0.046063	0.05689
##	5.355	257	1	0.05099	0.002754	0.045871	0.05668
##	5.371	256	2	0.05059	0.002746	0.045487	0.05627
##	5.373	253	1	0.05039	0.002743	0.045294	0.05607
##	5.375	252	1	0.05019	0.002739	0.045102	0.05586
##	5.381	251	1	0.04999	0.002736	0.044909	0.05565
##	5.388	249	2	0.04959	0.002728	0.044523	0.05524

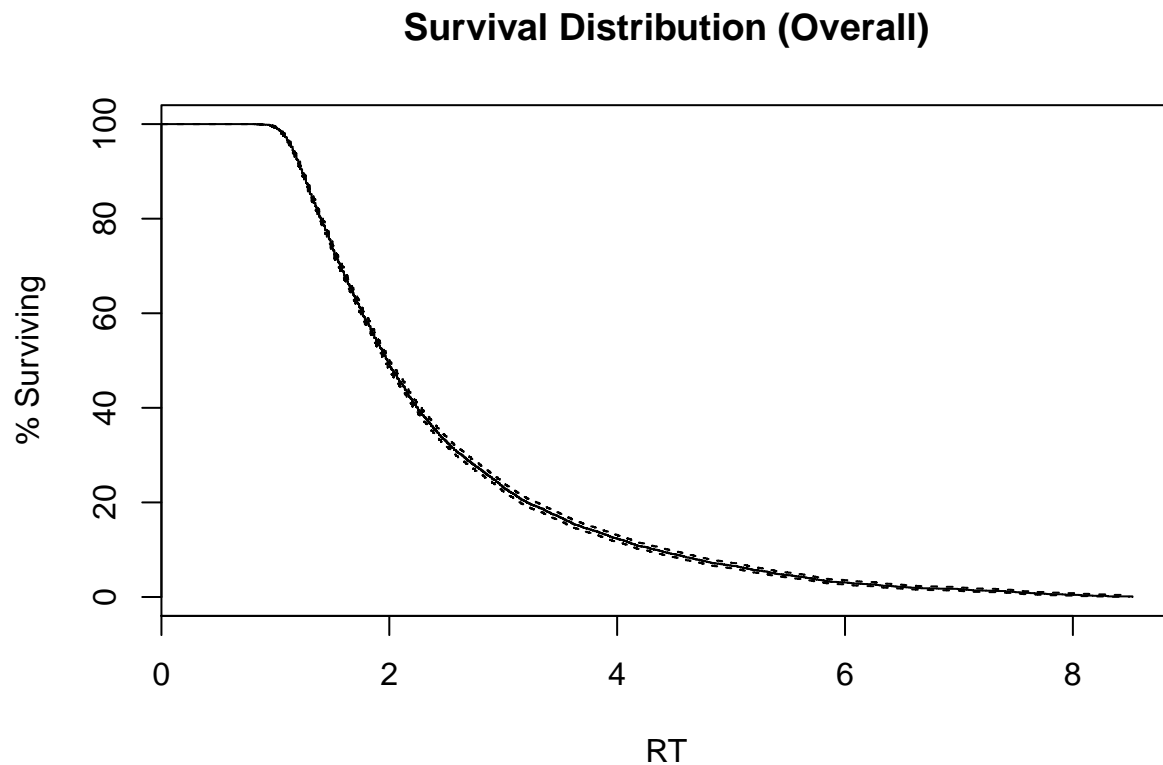
##	5.388	247	1	0.04939	0.002725	0.044329	0.05503
##	5.397	243	1	0.04919	0.002721	0.044134	0.05482
##	5.404	242	1	0.04898	0.002717	0.043938	0.05461
##	5.405	241	2	0.04858	0.002710	0.043547	0.05419
##	5.409	239	1	0.04837	0.002706	0.043351	0.05398
##	5.421	238	1	0.04817	0.002703	0.043156	0.05377
##	5.438	235	1	0.04797	0.002699	0.042958	0.05356
##	5.445	233	1	0.04776	0.002695	0.042760	0.05335
##	5.455	232	1	0.04755	0.002691	0.042562	0.05313
##	5.455	230	1	0.04735	0.002687	0.042363	0.05292
##	5.458	229	1	0.04714	0.002684	0.042164	0.05271
##	5.464	227	1	0.04693	0.002680	0.041964	0.05249
##	5.473	225	1	0.04673	0.002676	0.041764	0.05228
##	5.488	221	1	0.04651	0.002672	0.041560	0.05206
##	5.491	220	1	0.04630	0.002669	0.041357	0.05184
##	5.494	219	1	0.04609	0.002665	0.041153	0.05162
##	5.505	217	1	0.04588	0.002661	0.040949	0.05140
##	5.524	216	1	0.04567	0.002657	0.040744	0.05118
##	5.538	215	1	0.04545	0.002653	0.040540	0.05096
##	5.538	214	1	0.04524	0.002649	0.040336	0.05074
##	5.538	213	1	0.04503	0.002645	0.040132	0.05052
##	5.538	212	1	0.04482	0.002641	0.039927	0.05030
##	5.555	210	3	0.04418	0.002629	0.039312	0.04964
##	5.556	206	1	0.04396	0.002625	0.039106	0.04942
##	5.572	204	1	0.04375	0.002621	0.038899	0.04920
##	5.589	200	1	0.04353	0.002617	0.038689	0.04897
##	5.590	199	1	0.04331	0.002613	0.038478	0.04875
##	5.596	198	1	0.04309	0.002609	0.038268	0.04852
##	5.605	197	1	0.04287	0.002605	0.038058	0.04829
##	5.614	196	1	0.04265	0.002601	0.037848	0.04807
##	5.622	194	1	0.04243	0.002597	0.037636	0.04784
##	5.622	193	1	0.04221	0.002593	0.037425	0.04761
##	5.638	191	2	0.04177	0.002584	0.037001	0.04716
##	5.641	189	1	0.04155	0.002580	0.036789	0.04693
##	5.655	188	2	0.04111	0.002571	0.036365	0.04647
##	5.655	186	1	0.04089	0.002567	0.036153	0.04624
##	5.655	185	1	0.04067	0.002563	0.035941	0.04601
##	5.672	182	1	0.04044	0.002558	0.035726	0.04578
##	5.672	181	2	0.04000	0.002550	0.035298	0.04532
##	5.689	178	1	0.03977	0.002545	0.035083	0.04509
##	5.705	177	1	0.03955	0.002541	0.034867	0.04485
##	5.705	176	1	0.03932	0.002536	0.034652	0.04462
##	5.708	175	1	0.03910	0.002532	0.034437	0.04439
##	5.721	174	1	0.03887	0.002527	0.034222	0.04415
##	5.722	172	1	0.03865	0.002522	0.034005	0.04392
##	5.722	171	2	0.03819	0.002513	0.033573	0.04345
##	5.722	169	1	0.03797	0.002508	0.033357	0.04322
##	5.738	168	2	0.03752	0.002499	0.032925	0.04275
##	5.739	165	1	0.03729	0.002494	0.032708	0.04251
##	5.755	164	1	0.03706	0.002489	0.032490	0.04228
##	5.755	161	1	0.03683	0.002484	0.032270	0.04204
##	5.755	160	1	0.03660	0.002479	0.032050	0.04180
##	5.771	158	1	0.03637	0.002474	0.031829	0.04156
##	5.772	157	1	0.03614	0.002469	0.031608	0.04132

##	5.772	155	1	0.03590	0.002465	0.031385	0.04107
##	5.788	153	1	0.03567	0.002460	0.031161	0.04083
##	5.792	152	1	0.03544	0.002455	0.030937	0.04059
##	5.805	151	1	0.03520	0.002449	0.030713	0.04034
##	5.805	150	1	0.03497	0.002444	0.030489	0.04010
##	5.814	149	1	0.03473	0.002439	0.030265	0.03986
##	5.821	147	1	0.03449	0.002434	0.030039	0.03961
##	5.822	146	1	0.03426	0.002429	0.029814	0.03937
##	5.822	145	1	0.03402	0.002424	0.029589	0.03912
##	5.822	144	1	0.03379	0.002418	0.029364	0.03887
##	5.838	143	1	0.03355	0.002413	0.029139	0.03863
##	5.838	142	1	0.03331	0.002407	0.028914	0.03838
##	5.856	140	1	0.03308	0.002402	0.028688	0.03813
##	5.856	139	1	0.03284	0.002396	0.028461	0.03789
##	5.860	138	1	0.03260	0.002391	0.028235	0.03764
##	5.872	137	1	0.03236	0.002385	0.028009	0.03739
##	5.880	135	1	0.03212	0.002379	0.027781	0.03714
##	5.889	134	1	0.03188	0.002374	0.027553	0.03689
##	5.929	132	1	0.03164	0.002368	0.027324	0.03664
##	5.939	131	1	0.03140	0.002362	0.027094	0.03639
##	5.972	130	1	0.03116	0.002356	0.026865	0.03614
##	5.988	129	1	0.03092	0.002350	0.026636	0.03588
##	5.990	127	1	0.03067	0.002345	0.026405	0.03563
##	6.022	124	1	0.03043	0.002339	0.026170	0.03537
##	6.023	123	1	0.03018	0.002333	0.025936	0.03511
##	6.038	121	1	0.02993	0.002327	0.025699	0.03485
##	6.040	119	1	0.02968	0.002321	0.025460	0.03459
##	6.055	117	1	0.02942	0.002315	0.025219	0.03433
##	6.055	116	1	0.02917	0.002309	0.024979	0.03406
##	6.055	115	1	0.02892	0.002302	0.024738	0.03380
##	6.072	114	1	0.02866	0.002296	0.024498	0.03354
##	6.077	113	1	0.02841	0.002290	0.024258	0.03327
##	6.105	112	1	0.02816	0.002283	0.024017	0.03301
##	6.123	111	1	0.02790	0.002277	0.023778	0.03274
##	6.139	110	1	0.02765	0.002270	0.023538	0.03248
##	6.160	109	1	0.02739	0.002263	0.023298	0.03221
##	6.189	108	1	0.02714	0.002257	0.023059	0.03194
##	6.222	106	1	0.02688	0.002250	0.022817	0.03168
##	6.255	105	1	0.02663	0.002243	0.022576	0.03141
##	6.264	104	1	0.02637	0.002236	0.022335	0.03114
##	6.272	103	1	0.02612	0.002229	0.022094	0.03087
##	6.273	102	1	0.02586	0.002222	0.021853	0.03060
##	6.277	101	1	0.02560	0.002214	0.021612	0.03033
##	6.283	100	1	0.02535	0.002207	0.021372	0.03006
##	6.289	99	1	0.02509	0.002200	0.021131	0.02980
##	6.306	97	3	0.02432	0.002177	0.020403	0.02898
##	6.322	94	1	0.02406	0.002169	0.020161	0.02871
##	6.323	93	1	0.02380	0.002161	0.019919	0.02843
##	6.340	92	1	0.02354	0.002153	0.019677	0.02816
##	6.372	91	1	0.02328	0.002145	0.019436	0.02789
##	6.405	89	1	0.02302	0.002136	0.019191	0.02761
##	6.407	88	1	0.02276	0.002128	0.018947	0.02734
##	6.425	87	1	0.02250	0.002120	0.018703	0.02706
##	6.439	86	1	0.02224	0.002111	0.018460	0.02678

##	6.448	85	1	0.02197	0.002102	0.018216	0.02651
##	6.457	84	1	0.02171	0.002094	0.017973	0.02623
##	6.492	82	1	0.02145	0.002085	0.017727	0.02595
##	6.506	81	1	0.02118	0.002076	0.017481	0.02567
##	6.523	78	1	0.02091	0.002067	0.017228	0.02538
##	6.524	77	1	0.02064	0.002058	0.016976	0.02509
##	6.539	76	1	0.02037	0.002048	0.016724	0.02481
##	6.559	74	1	0.02009	0.002039	0.016468	0.02451
##	6.573	73	1	0.01982	0.002030	0.016213	0.02422
##	6.582	72	1	0.01954	0.002020	0.015958	0.02393
##	6.623	71	1	0.01927	0.002010	0.015703	0.02364
##	6.624	70	1	0.01899	0.002000	0.015449	0.02335
##	6.656	68	1	0.01871	0.001990	0.015191	0.02305
##	6.673	67	1	0.01843	0.001980	0.014933	0.02275
##	6.739	64	1	0.01814	0.001970	0.014667	0.02245
##	6.806	61	1	0.01785	0.001960	0.014391	0.02213
##	6.822	60	1	0.01755	0.001950	0.014116	0.02182
##	6.892	58	1	0.01725	0.001940	0.013836	0.02150
##	6.989	57	1	0.01694	0.001929	0.013556	0.02118
##	6.992	56	1	0.01664	0.001918	0.013277	0.02086
##	7.007	55	1	0.01634	0.001907	0.012999	0.02054
##	7.022	54	1	0.01604	0.001896	0.012721	0.02022
##	7.023	53	1	0.01573	0.001884	0.012444	0.01990
##	7.042	52	1	0.01543	0.001872	0.012167	0.01957
##	7.072	51	1	0.01513	0.001859	0.011891	0.01925
##	7.091	50	1	0.01483	0.001847	0.011615	0.01893
##	7.106	49	1	0.01452	0.001833	0.011341	0.01860
##	7.123	47	1	0.01422	0.001820	0.011060	0.01827
##	7.123	46	1	0.01391	0.001807	0.010780	0.01794
##	7.206	45	1	0.01360	0.001793	0.010500	0.01761
##	7.240	44	1	0.01329	0.001779	0.010222	0.01727
##	7.324	40	1	0.01296	0.001765	0.009920	0.01692
##	7.340	39	1	0.01262	0.001751	0.009619	0.01657
##	7.406	35	1	0.01226	0.001737	0.009290	0.01619
##	7.406	34	1	0.01190	0.001723	0.008962	0.01581
##	7.423	33	1	0.01154	0.001708	0.008635	0.01543
##	7.456	32	1	0.01118	0.001693	0.008310	0.01504
##	7.473	31	1	0.01082	0.001676	0.007987	0.01466
##	7.491	30	1	0.01046	0.001659	0.007666	0.01427
##	7.495	29	1	0.01010	0.001640	0.007346	0.01388
##	7.524	28	1	0.00974	0.001621	0.007028	0.01349
##	7.540	27	1	0.00938	0.001600	0.006712	0.01310
##	7.556	25	1	0.00900	0.001580	0.006383	0.01270
##	7.564	24	1	0.00863	0.001558	0.006056	0.01229
##	7.623	22	1	0.00824	0.001535	0.005714	0.01187
##	7.658	21	1	0.00784	0.001512	0.005376	0.01144
##	7.673	20	1	0.00745	0.001486	0.005040	0.01101
##	7.691	18	1	0.00704	0.001460	0.004686	0.01057
##	7.757	17	1	0.00662	0.001432	0.004336	0.01012
##	7.774	16	1	0.00621	0.001401	0.003990	0.00966
##	7.807	15	1	0.00580	0.001367	0.003650	0.00920
##	7.907	13	1	0.00535	0.001333	0.003283	0.00872
##	7.933	12	1	0.00490	0.001294	0.002923	0.00822
##	8.008	11	1	0.00446	0.001251	0.002572	0.00773

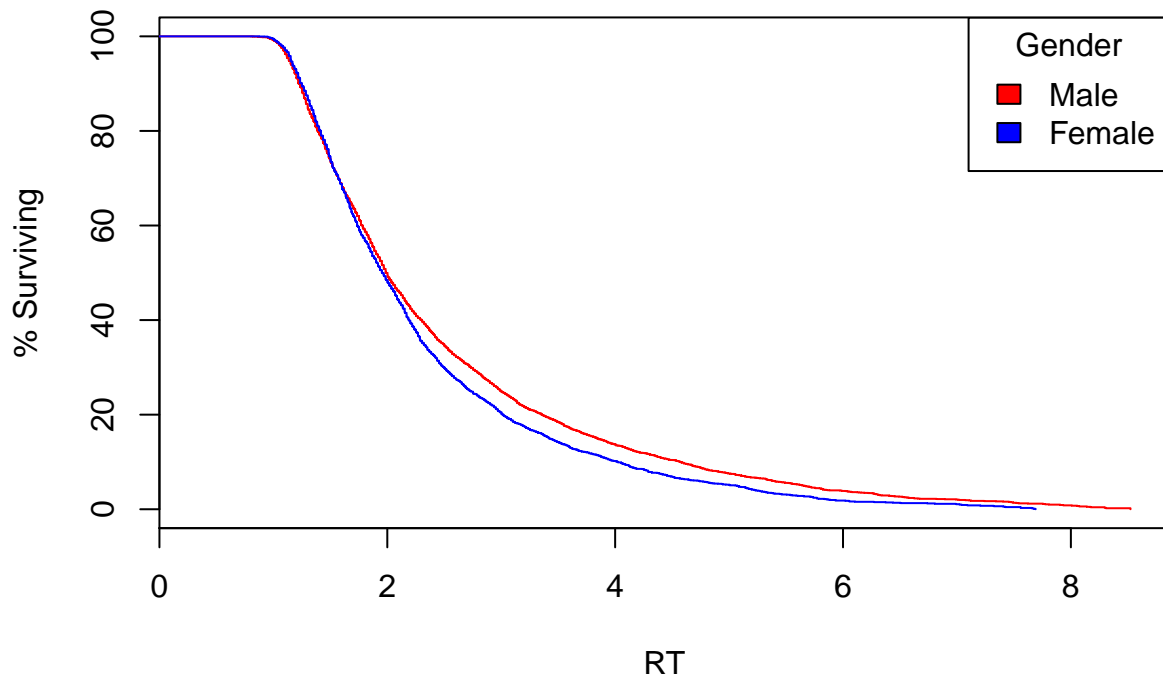
##	8.057	10	1	0.00401	0.001203	0.002230	0.00722
##	8.074	8	1	0.00351	0.001152	0.001845	0.00668
##	8.140	7	1	0.00301	0.001091	0.001478	0.00612
##	8.174	6	1	0.00251	0.001018	0.001131	0.00556
##	8.296	4	1	0.00188	0.000937	0.000708	0.00499
##	8.307	3	1	0.00125	0.000808	0.000355	0.00443
##	8.524	1	1	0.00000	NaN	NA	NA

```
plot(fit0, xlab="RT",
     ylab="% Surviving", yscale=100,
     main="Survival Distribution (Overall)")
```



```
# Compare the survival distributions of men and women
fit1 <- survfit(survobj~Sex, data=df2)
# plot the survival distributions by sex
plot(fit1, xlab="RT",
     ylab="% Surviving", yscale=100, col=c("red","blue"),
     main="Survival Distributions by Gender")
legend("topright", title="Gender", c("Male", "Female"),
     fill=c("red", "blue"))
```

Survival Distributions by Gender



```
# test for difference between male and female
# survival curves (logrank test)
survdif(survobj~Sex, data=df2)
```

```
## Call:
## survdif(formula = survobj ~ Sex, data = df2)
##
## n=9324, 276 observations deleted due to missingness.
##
##           N Observed Expected (O-E)^2/E (O-E)^2/V
## Sex=1 5900      5195      5421      9.42      26.7
## Sex=2 3424      3194      2968     17.21      26.7
##
##  Chisq= 26.7  on 1 degrees of freedom, p= 2.32e-07
```

```
# predict male survival from age and correct/incorrect responses
MaleRep <- coxph(survobj~Age+Coh+Speed+PatternType,
  data=df2, subset=Sex==2)
# display results
MaleRep
```

```
## Call:
## coxph(formula = survobj ~ Age + Coh + Speed + PatternType, data = df2,
##       subset = Sex == 2)
##
##               coef exp(coef) se(coef)      z      p
## Age.L          0.54210   1.71962  0.04256 12.74 < 2e-16
```

```
## Age.Q          -0.29288    0.74611    0.03838 -7.63 2.3e-14
## Age.C          -0.12023    0.88672    0.03601 -3.34 0.00084
## Coh            1.90131    6.69465    0.09234 20.59 < 2e-16
## Speed          0.04292    1.04385    0.00595  7.21 5.4e-13
## PatternTyperadial 0.47470    1.60753    0.03577 13.27 < 2e-16
##
## Likelihood ratio test=762 on 6 df, p=0
## n= 3424, number of events= 3194
## (96 observations deleted due to missingness)
```

```
# evaluate the proportional hazards assumption
cox.zph(MaleRep)
```

```
##              rho    chisq      p
## Age.L         -0.0360    4.26 3.90e-02
## Age.Q          0.2223 158.44 0.00e+00
## Age.C          0.1668  90.74 0.00e+00
## Coh           -0.1784  82.49 0.00e+00
## Speed         -0.1045  35.18 3.01e-09
## PatternTyperadial -0.0942 27.71 1.41e-07
## GLOBAL              NA 429.40 0.00e+00
```

```
# predict female survival from age and correct/incorrect responses
femaleRep <- coxph(survobj~Age+Coh+Speed+PatternType,
  data=df2, subset=Sex==1)
femaleRep
```

```
## Call:
## coxph(formula = survobj ~ Age + Coh + Speed + PatternType, data = df2,
##       subset = Sex == 1)
##
##              coef exp(coef) se(coef)      z      p
## Age.L          0.63324    1.88371  0.04365 14.5 <2e-16
## Age.Q         -0.37995    0.68389  0.03665 -10.4 <2e-16
## Age.C         -0.34988    0.70477  0.02841 -12.3 <2e-16
## Coh           2.44085   11.48284  0.07484 32.6 <2e-16
## Speed          0.06559    1.06779  0.00466 14.1 <2e-16
## PatternTyperadial 0.46108    1.58578  0.02802 16.5 <2e-16
##
## Likelihood ratio test=1900 on 6 df, p=0
## n= 5900, number of events= 5195
## (180 observations deleted due to missingness)
```

```
cox.zph(femaleRep)
```

```
##              rho    chisq      p
## Age.L         -0.10507   58.239 2.32e-14
## Age.Q         -0.00452    0.107 7.44e-01
## Age.C          0.10605   58.700 1.83e-14
## Coh           -0.16527 117.896 0.00e+00
## Speed         -0.06297  20.335 6.50e-06
## PatternTyperadial -0.11880  71.799 0.00e+00
## GLOBAL              NA 293.671 0.00e+00
```

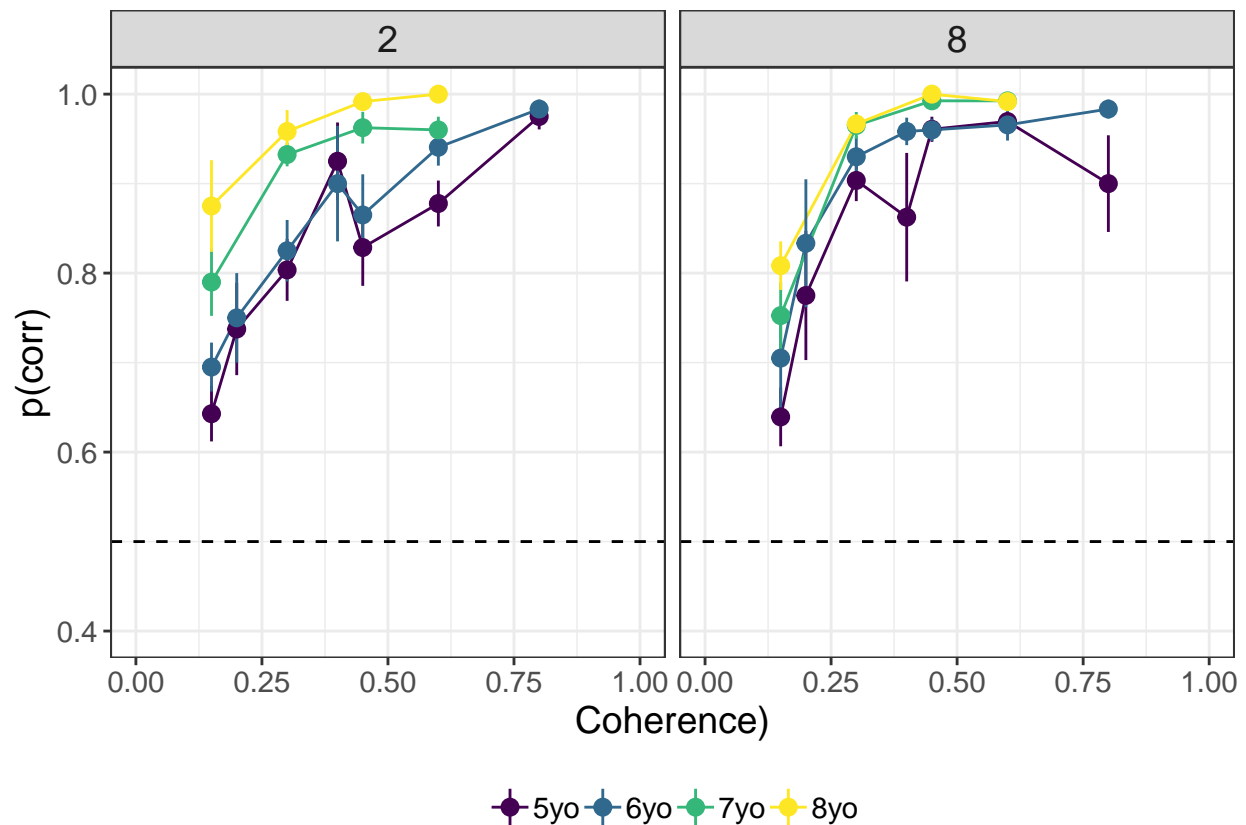

plotting

Plot of speed across patterns by age

```
# Evaluate Speed by Coherence interaction
spd.by.coh <- df.bysub.bycond %>%
  group_by(Speed, Coh, AgeYrs) %>%
  summarize(Pct.Corr.mean = mean(Pct.Corr, na.rm=TRUE),
            Pct.Corr.sem = sd(Pct.Corr, na.rm=TRUE)/sqrt( n() ))

limits = aes( ymax = Pct.Corr.mean + Pct.Corr.sem , ymin = Pct.Corr.mean - Pct.Corr.sem )

p6 <-
  ggplot( data=spd.by.coh, aes(x=Coh, y=Pct.Corr.mean, color = AgeYrs) ) +
  facet_grid( facets = . ~ Speed ) +
  geom_line() +
  geom_pointrange( limits ) +
  xlim(0,1) +
  ylim(.4, 1) +
  ylab("p(corr)") +
  xlab("Coherence") +
  theme_bw() +
  theme.custom +
  geom_hline(yintercept=0.5, linetype="dashed")
p6
```

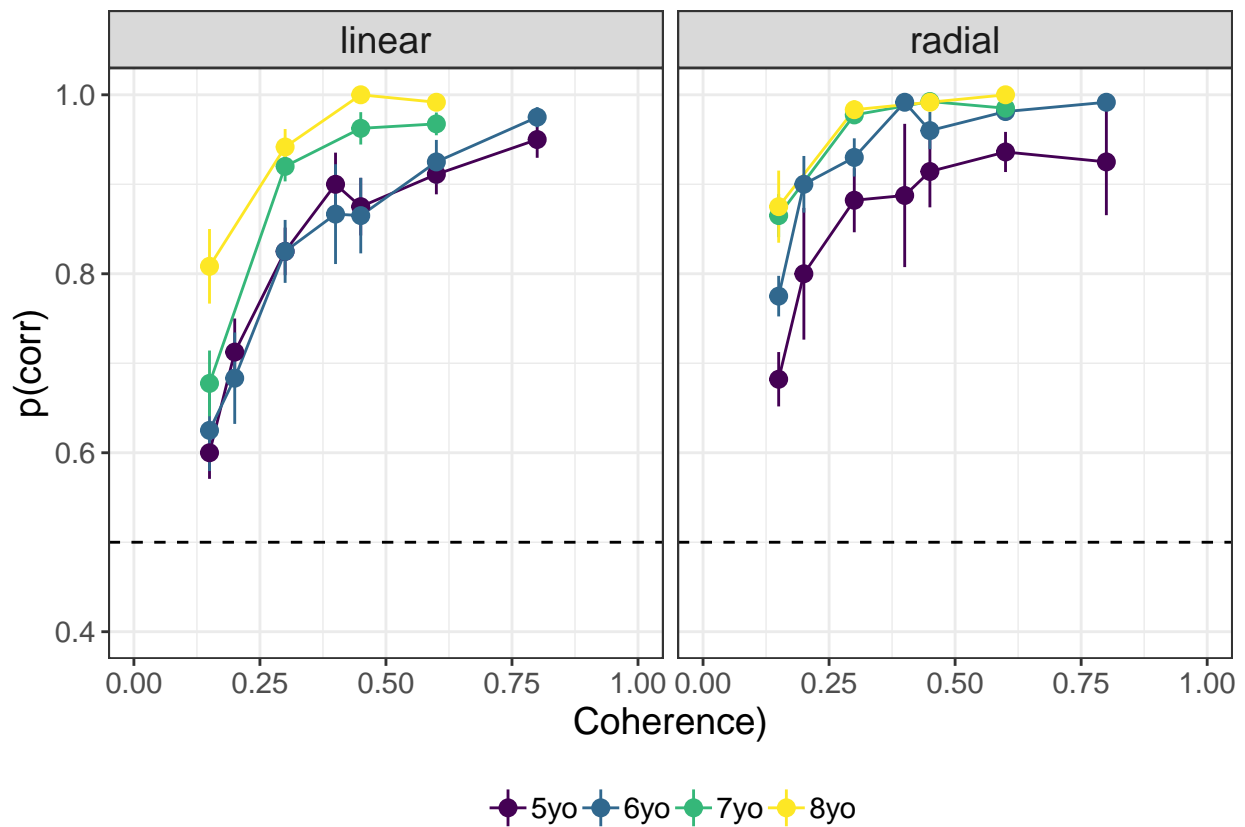


Plot of coherence by pattern across age

```
patt.by.coh <- df.bysub.bycond %>%
  group_by(PatternType, Coh, AgeYrs) %>%
  summarize(Pct.Corr.mean = mean(Pct.Corr, na.rm=TRUE),
            Pct.Corr.sem = sd(Pct.Corr, na.rm=TRUE)/sqrt( n() ))

limits = aes( ymax = Pct.Corr.mean + Pct.Corr.sem , ymin = Pct.Corr.mean - Pct.Corr.sem )

p7 <-
  ggplot( data=patt.by.coh, aes(x=Coh, y=Pct.Corr.mean, color = AgeYrs) ) +
  facet_grid( facets = ~ PatternType ) +
  geom_line() +
  geom_pointrange( limits ) +
  xlim(0, 1) +
  ylim(.4, 1) +
  ylab("p(corr)") +
  xlab("Coherence") +
  theme_bw() +
  theme.custom +
  geom_hline(yintercept=0.5, linetype="dashed")
p7
```

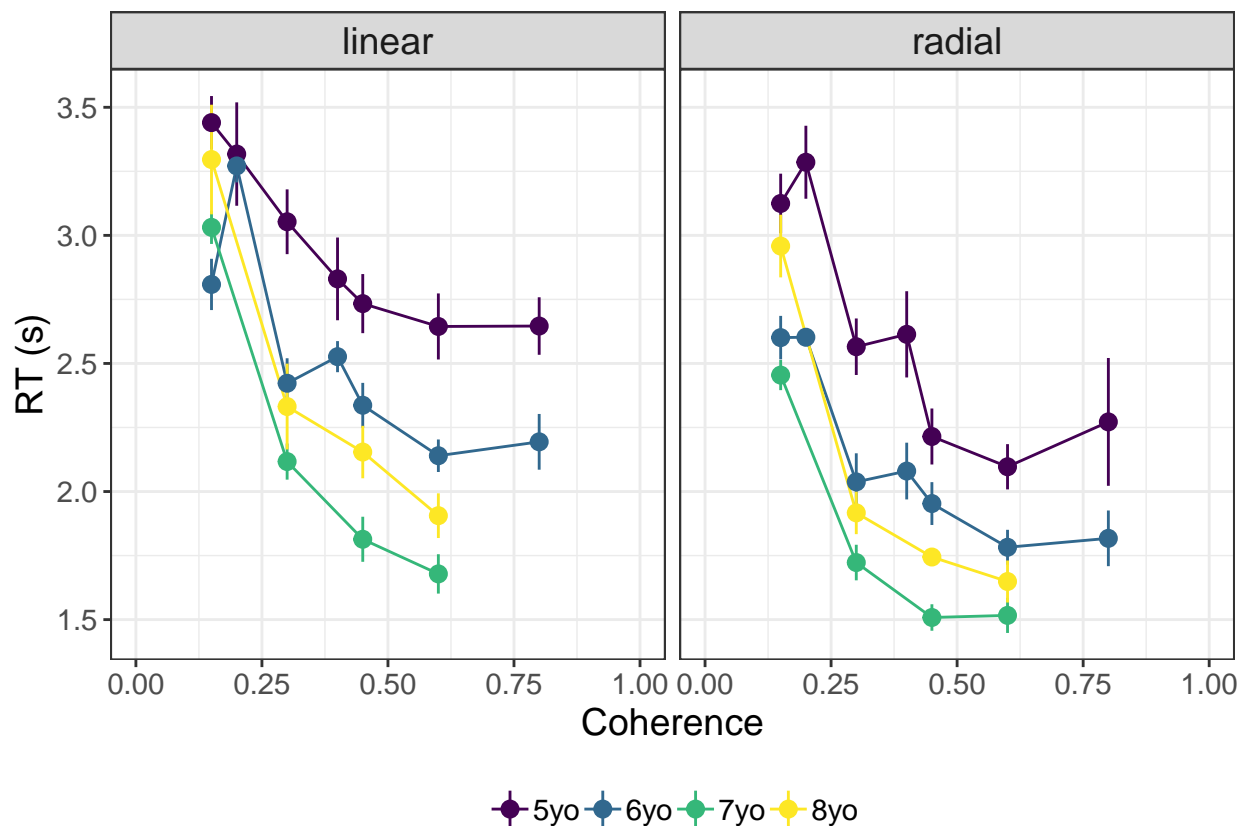


RT by pattern across age

```
patt.by.coh.rt <- df.bysub.bycond %>%
  group_by(PatternType, Coh, AgeYrs) %>%
  summarize(RT.Cond.mean = mean(RT.mean, na.rm=TRUE),
            RT.sem = sd(RT.sd, na.rm=TRUE)/sqrt( n() ))

limits = aes(ymax = RT.Cond.mean + RT.sem, ymin = RT.Cond.mean - RT.sem)

p7 <-
  ggplot( data=patt.by.coh.rt, aes(x=Coh, y=RT.Cond.mean, color = AgeYrs)) +
  facet_grid( facets = ~ PatternType ) +
  geom_line() +
  geom_pointrange( limits ) +
  xlim(0, 1) +
  ylab("RT (s)") +
  xlab("Coherence") +
  theme_bw() +
  theme.custom
p7
```



RT by speed across patterns

```
# Evaluate Speed by Coherence interaction
spd.by.coh.rt <- df.bysub.bycond %>%
  group_by(Speed, Coh, AgeYrs) %>%
  summarize(RT.Cond.mean = mean(RT.mean, na.rm=TRUE),
```

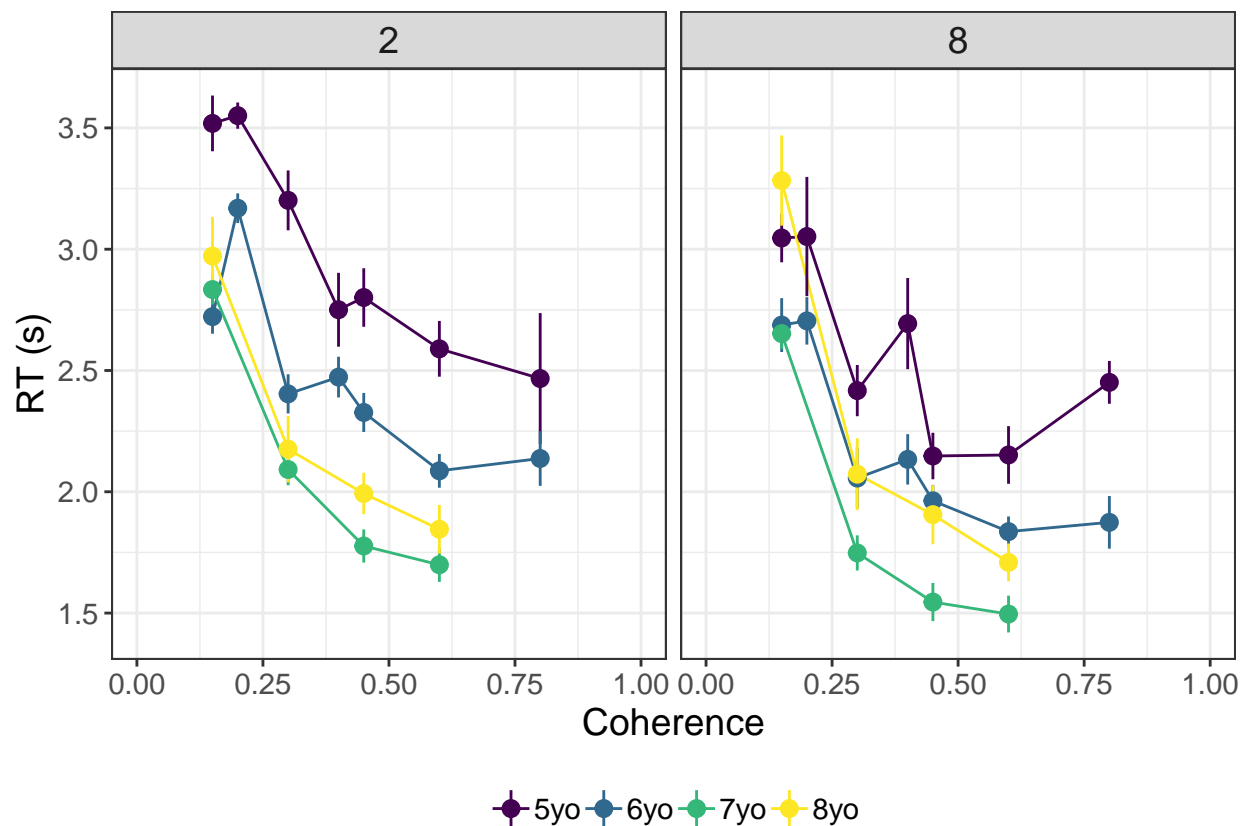
```

RT.sem = sd(RT.sd, na.rm=TRUE)/sqrt( n() ))

limits = aes(ymax = RT.Cond.mean + RT.sem, ymin = RT.Cond.mean - RT.sem)

p.rt <-
  ggplot( data=spd.by.coh.rt, aes(x=Coh, y=RT.Cond.mean, color = AgeYrs)) +
  facet_grid( facets = . ~ Speed ) +
  geom_line() +
  geom_pointrange( limits ) +
  xlim(0,1) +
  ylab("RT (s)") +
  xlab("Coherence") +
  theme_bw() +
  theme.custom
p.rt

```



threshold

child v.s. adult