

mini-project

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The first step is to read our data set.

```
fna.data <- "WisconsinCancer.csv"
wisc.df <- read.csv(fna.data, row.names=1)
head(wisc.df)
```

```
##      diagnosis radius_mean texture_mean perimeter_mean area_mean
## 842302         M      17.99       10.38        122.80      1001.0
## 842517         M      20.57       17.77        132.90      1326.0
## 84300903        M      19.69       21.25        130.00      1203.0
## 84348301         M      11.42       20.38         77.58       386.1
## 84358402         M      20.29       14.34        135.10      1297.0
## 843786          M      12.45       15.70         82.57       477.1
##      smoothness_mean compactness_mean concavity_mean concave.points_mean
## 842302          0.11840          0.27760          0.3001          0.14710
## 842517          0.08474          0.07864          0.0869          0.07017
## 84300903         0.10960          0.15990          0.1974          0.12790
## 84348301         0.14250          0.28390          0.2414          0.10520
## 84358402         0.10030          0.13280          0.1980          0.10430
## 843786          0.12780          0.17000          0.1578          0.08089
##      symmetry_mean fractal_dimension_mean radius_se texture_se perimeter_se
## 842302          0.2419          0.07871          1.0950          0.9053          8.589
## 842517          0.1812          0.05667          0.5435          0.7339          3.398
## 84300903         0.2069          0.05999          0.7456          0.7869          4.585
## 84348301         0.2597          0.09744          0.4956          1.1560          3.445
## 84358402         0.1809          0.05883          0.7572          0.7813          5.438
## 843786          0.2087          0.07613          0.3345          0.8902          2.217
##      area_se smoothness_se compactness_se concavity_se concave.points_se
## 842302      153.40      0.006399      0.04904      0.05373      0.01587
## 842517       74.08      0.005225      0.01308      0.01860      0.01340
## 84300903      94.03      0.006150      0.04006      0.03832      0.02058
## 84348301      27.23      0.009110      0.07458      0.05661      0.01867
## 84358402      94.44      0.011490      0.02461      0.05688      0.01885
## 843786      27.19      0.007510      0.03345      0.03672      0.01137
##      symmetry_se fractal_dimension_se radius_worst texture_worst
## 842302      0.03003      0.006193      25.38      17.33
## 842517      0.01389      0.003532      24.99      23.41
## 84300903      0.02250      0.004571      23.57      25.53
## 84348301      0.05963      0.009208      14.91      26.50
```

```
## 84358402      0.01756      0.005115      22.54      16.67
## 843786      0.02165      0.005082      15.47      23.75
##      perimeter_worst area_worst smoothness_worst compactness_worst
## 842302      184.60      2019.0      0.1622      0.6656
## 842517      158.80      1956.0      0.1238      0.1866
## 84300903     152.50      1709.0      0.1444      0.4245
## 84348301      98.87      567.7      0.2098      0.8663
## 84358402     152.20      1575.0      0.1374      0.2050
## 843786      103.40      741.6      0.1791      0.5249
##      concavity_worst concave.points_worst symmetry_worst
## 842302      0.7119      0.2654      0.4601
## 842517      0.2416      0.1860      0.2750
## 84300903     0.4504      0.2430      0.3613
## 84348301     0.6869      0.2575      0.6638
## 84358402     0.4000      0.1625      0.2364
## 843786      0.5355      0.1741      0.3985
##      fractal_dimension_worst
## 842302      0.11890
## 842517      0.08902
## 84300903     0.08758
## 84348301     0.17300
## 84358402     0.07678
## 843786      0.12440
```

Let's remove the first column.

```
wisc.data <- wisc.df[,-1]
```

Set up a separate new vector called diagnosis that contains the data from the diagnosis column of the original dataset. We will store this as a factor (useful for plotting) and use this later to check our results.

```
diagnosis <- as.factor(wisc.df$diagnosis)
diagnosis
```

```
##      [1] M M M M M M M M M M M M M M M M B B B M M M M M M M M M M M M M
##     [38] B M M M M M M M M M B M B B B B M M B M M B B B B M B M M B B B M B M M
##     [75] B M B M M B B B M M B M M M B B B M B B M M B B B M M B B B B M B B M B B
##    [112] B B B B B B M M M B M M B B B M M B M B M M B M M B B M B B M B B B M B
##    [149] B B B B B B B B M B B B B M M B M B B M M B B M M B B B B M B B M M M B M
##    [186] B M B B B M B B M M B M M M M B M M M B M B M B B M B M M M M B B M M B B
##    [223] B M B B B B B M M B B M B B M M B M B B B B M B B B B B M B M M M M M M
##    [260] M M M M M M M B B B B B M B M B B M B B M B M M B B B B B B B B B B B
##    [297] B M B B M B M B B B B B B B B B B B B B B M B B B M B M B B B B M M M B B
##    [334] B B M B M B M B B B M B B B B B B M M M B B B B B B B B B B B M M B M M
##    [371] M B M M B B B B B M B B B B B M B B B M B B M M B B B B B B M B B B B B
##    [408] B M B B B B B M B B M B B B B B B B B B B B M B M M B M B B B B B M B B
##    [445] M B M B B M B M B B B B B B B B M M B B B B B B M B B B B B B B B M B
##    [482] B B B B B B M B M B B M B B B B B M M B M B M B B B B B M B B M B M B M
##    [519] B B B M B B B B B B B B B B B M B M M B B B B B B B B B B B B B B B B
##    [556] B B B B B B B M M M M M M B
## Levels: B M
```

```
table(diagnosis)
```

```
## diagnosis
##   B   M
## 357 212
```

Q1. How many observations are in this dataset?

There are 357 observations in this dataset.

Q2. How many of the observations have a malignant diagnosis?

212 observations have a malignant diagnosis.

Q3. How many variables/features in the data are suffixed with `_mean`?

```
length (grep("_mean", colnames(wisc.df)) )
```

```
## [1] 10
```

Next, we will perform PCA on the `wisc.data`.

First, check column means and standard deviations

```
colMeans(wisc.data)
```

```
##           radius_mean      texture_mean      perimeter_mean
##      1.412729e+01      1.928965e+01      9.196903e+01
##           area_mean      smoothness_mean      compactness_mean
##      6.548891e+02      9.636028e-02      1.043410e-01
##      concavity_mean      concave.points_mean      symmetry_mean
##      8.879932e-02      4.891915e-02      1.811619e-01
##      fractal_dimension_mean      radius_se      texture_se
##      6.279761e-02      4.051721e-01      1.216853e+00
##      perimeter_se      area_se      smoothness_se
##      2.866059e+00      4.033708e+01      7.040979e-03
##      compactness_se      concavity_se      concave.points_se
##      2.547814e-02      3.189372e-02      1.179614e-02
##      symmetry_se      fractal_dimension_se      radius_worst
##      2.054230e-02      3.794904e-03      1.626919e+01
##      texture_worst      perimeter_worst      area_worst
##      2.567722e+01      1.072612e+02      8.805831e+02
##      smoothness_worst      compactness_worst      concavity_worst
##      1.323686e-01      2.542650e-01      2.721885e-01
##      concave.points_worst      symmetry_worst      fractal_dimension_worst
##      1.146062e-01      2.900756e-01      8.394582e-02
```

```
apply(wisc.data,2,sd)
```

```
##          radius_mean      texture_mean      perimeter_mean
##      3.524049e+00      4.301036e+00      2.429898e+01
##          area_mean      smoothness_mean      compactness_mean
##      3.519141e+02      1.406413e-02      5.281276e-02
##      concavity_mean      concave.points_mean      symmetry_mean
##      7.971981e-02      3.880284e-02      2.741428e-02
## fractal_dimension_mean      radius_se      texture_se
##      7.060363e-03      2.773127e-01      5.516484e-01
##      perimeter_se      area_se      smoothness_se
##      2.021855e+00      4.549101e+01      3.002518e-03
##      compactness_se      concavity_se      concave.points_se
##      1.790818e-02      3.018606e-02      6.170285e-03
##      symmetry_se      fractal_dimension_se      radius_worst
##      8.266372e-03      2.646071e-03      4.833242e+00
##      texture_worst      perimeter_worst      area_worst
##      6.146258e+00      3.360254e+01      5.693570e+02
##      smoothness_worst      compactness_worst      concavity_worst
##      2.283243e-02      1.573365e-01      2.086243e-01
##      concave.points_worst      symmetry_worst      fractal_dimension_worst
##      6.573234e-02      6.186747e-02      1.806127e-02
```

Execute PCA with the `prcomp()` function on the `wisc.data`, scaling if appropriate, and assign the output model to `wisc.pr`. Inspect a summary of the results.

```
wisc.pr <- prcomp(wisc.data, scale=TRUE)
summary(wisc.pr)
```

```
## Importance of components:
##          PC1      PC2      PC3      PC4      PC5      PC6      PC7
## Standard deviation  3.6444 2.3857 1.67867 1.40735 1.28403 1.09880 0.82172
## Proportion of Variance 0.4427 0.1897 0.09393 0.06602 0.05496 0.04025 0.02251
## Cumulative Proportion 0.4427 0.6324 0.72636 0.79239 0.84734 0.88759 0.91010
##          PC8      PC9      PC10      PC11      PC12      PC13      PC14
## Standard deviation  0.69037 0.6457 0.59219 0.5421 0.51104 0.49128 0.39624
## Proportion of Variance 0.01589 0.0139 0.01169 0.0098 0.00871 0.00805 0.00523
## Cumulative Proportion 0.92598 0.9399 0.95157 0.9614 0.97007 0.97812 0.98335
##          PC15      PC16      PC17      PC18      PC19      PC20      PC21
## Standard deviation  0.30681 0.28260 0.24372 0.22939 0.22244 0.17652 0.1731
## Proportion of Variance 0.00314 0.00266 0.00198 0.00175 0.00165 0.00104 0.0010
## Cumulative Proportion 0.98649 0.98915 0.99113 0.99288 0.99453 0.99557 0.9966
##          PC22      PC23      PC24      PC25      PC26      PC27      PC28
## Standard deviation  0.16565 0.15602 0.1344 0.12442 0.09043 0.08307 0.03987
## Proportion of Variance 0.00091 0.00081 0.0006 0.00052 0.00027 0.00023 0.00005
## Cumulative Proportion 0.99749 0.99830 0.9989 0.99942 0.99969 0.99992 0.99997
##          PC29      PC30
## Standard deviation  0.02736 0.01153
## Proportion of Variance 0.00002 0.00000
## Cumulative Proportion 1.00000 1.00000
```

Q4. From your results, what proportion of the original variance is captured by the first principal components (PC1)?

44.27% of the original variance is captured by PC1.

Q5. How many principal components (PCs) are required to describe at least 70% of the original variance in the data?

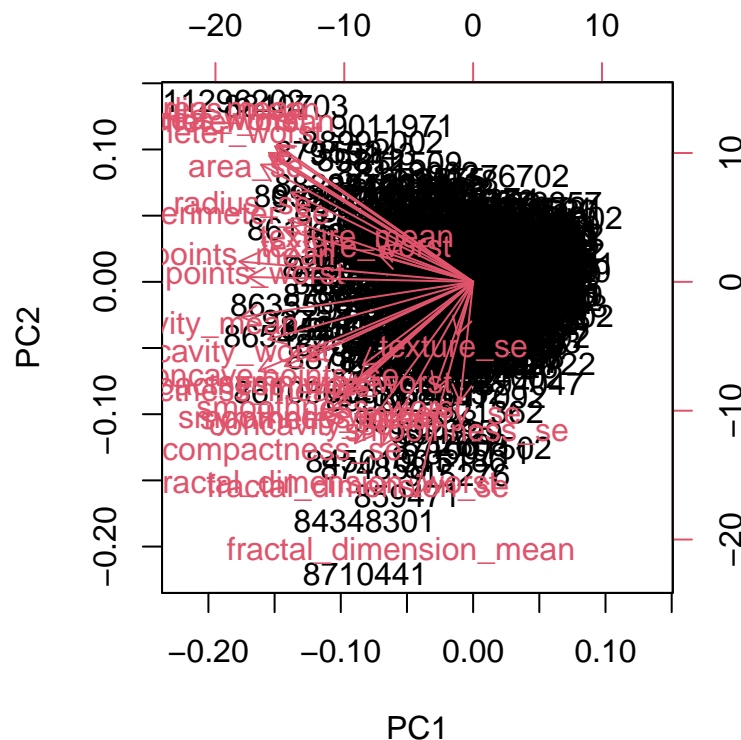
3 PCs are required to describe at least 70% of the original variance.

Q6. How many principal components (PCs) are required to describe at least 90% of the original variance in the data?

7 PCs are required to describe at least 70% of the original variance.

Now, we will work on interpreting our PCA results. Let's explore biplots.

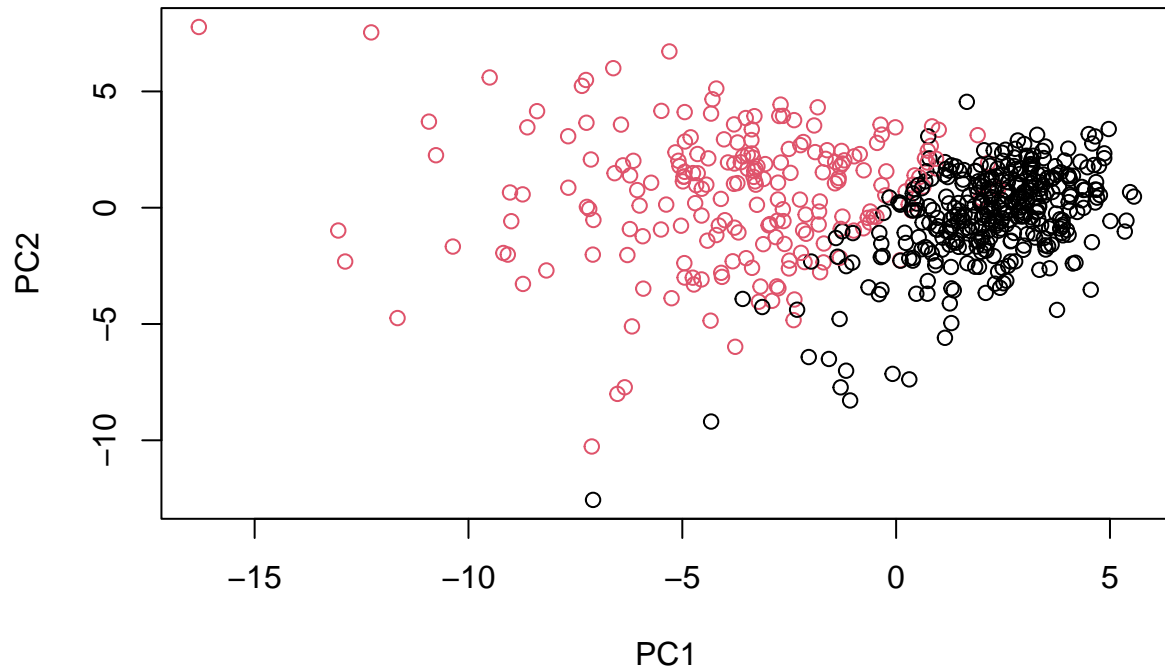
```
biplot(wisc.pr)
```



Q7. What stands out to you about this plot? Is it easy or difficult to understand? Why?

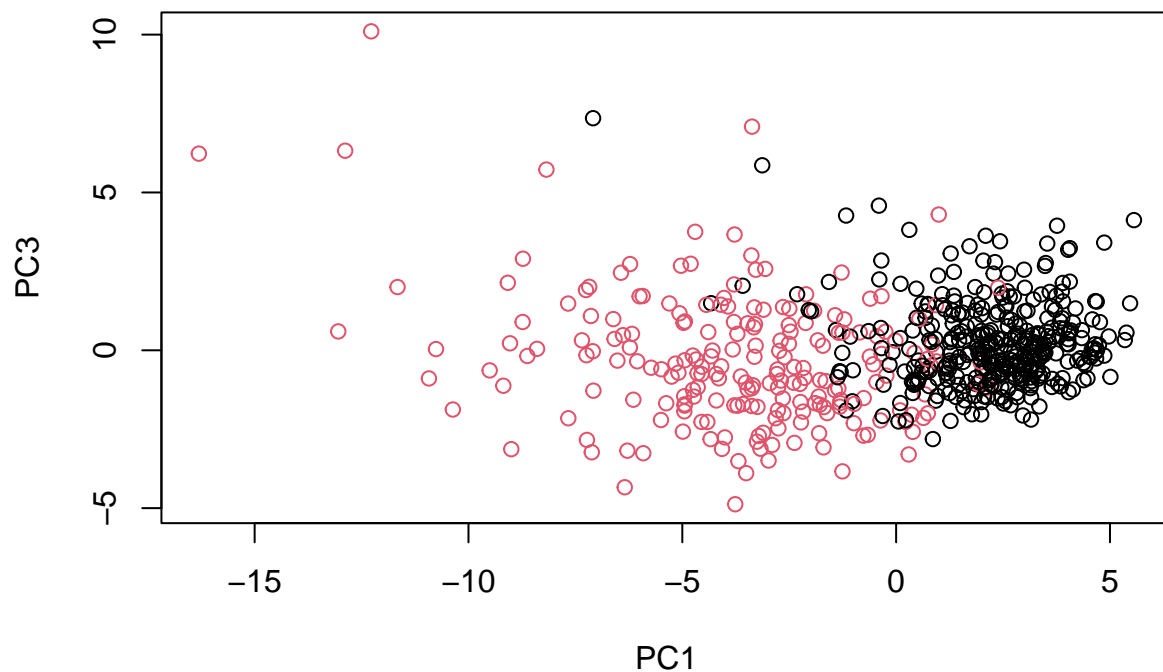
This plot has quite a bit going on and this makes it rather difficult to understand. There are so many components on a small scale and this makes it challenging to distinguish different points/trends on the plot. Let's make a scatterplot to visualize the data.

```
plot(wisc.pr$x, col = diagnosis ,
     xlab = "PC1", ylab = "PC2")
```



Q8. Generate a similar plot for principal components 1 and 3. What do you notice about these plots?

```
plot(wisc.pr$x [, 1], wisc.pr$x [, 3], col = diagnosis,
     xlab = "PC1", ylab = "PC3")
```



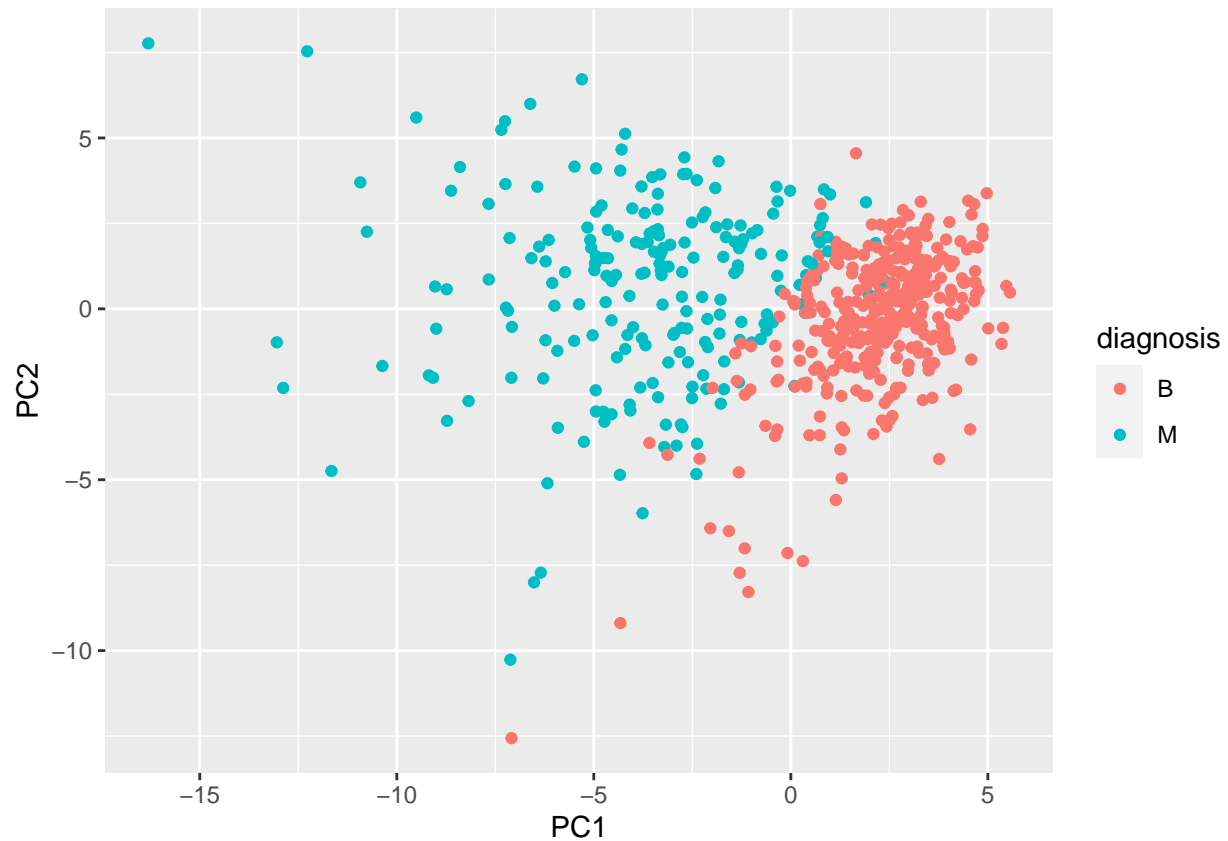
(From lab activity) Overall, the plots indicate that principal component 1 is capturing a separation of malignant (red) from benign (black) samples. This is an important and interesting result worthy of further exploration - as we will do in the next sections!

Now, let's use ggplot2 to make a fancier graph.

The first step is to create a `data.frame` for ggplot.

```
df <- as.data.frame(wisc.pr$x)
df$diagnosis <- diagnosis
```

```
library(ggplot2)
ggplot(df) +
  aes(PC1, PC2, col=diagnosis) +
  geom_point()
```



```
pr.var <- wisc.pr$sdev^2
head(pr.var)
```

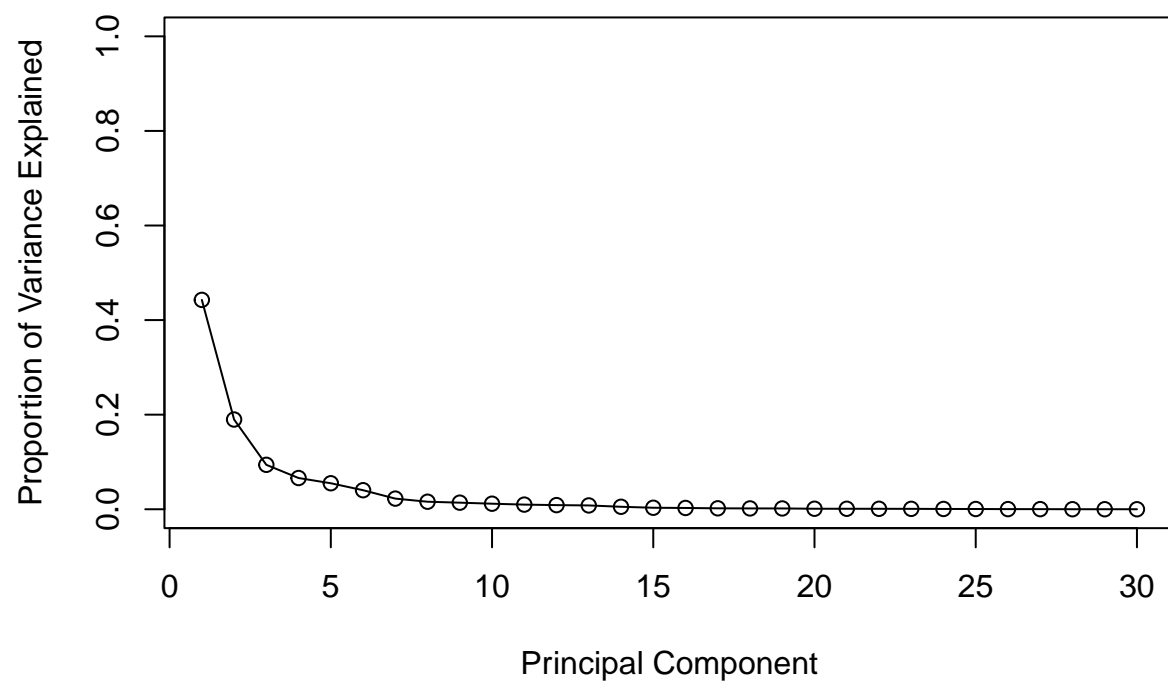
```
## [1] 13.281608  5.691355  2.817949  1.980640  1.648731  1.207357
```

Now, calculate the variance explained by each principal component by dividing by the total variance explained of all principal components. Assign this to a variable called `pve` and create a plot of variance explained for each principal component.

```
pve <- pr.var/sum(pr.var)
head(pve)
```

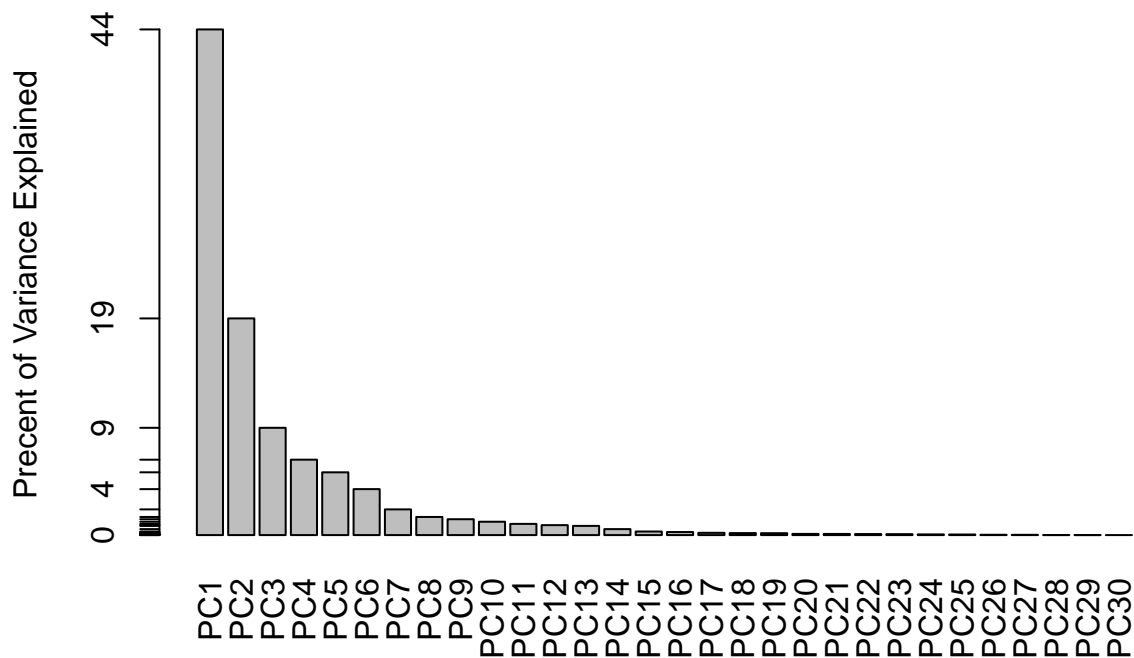
```
## [1] 13.281608  5.691355  2.817949  1.980640  1.648731  1.207357
```

```
plot(pve, xlab = "Principal Component",
      ylab = "Proportion of Variance Explained",
      ylim = c(0, 1), type = "o")
```

Let's make some alternative scree plots.

```
barplot(pve, ylab = "Precent of Variance Explained",
        names.arg=paste0("PC",1:length(pve)), las=2, axes = FALSE)
axis(2, at=pve, labels=round(pve,2)*100 )
```



OPTIONAL: There are quite a few CRAN packages that are helpful for PCA. This includes the `factoextra` package. Feel free to explore this package.

Now, we will work on communicating our PCA results.

Q9. For the first principal component, what is the component of the loading vector (i.e. `wisc.pr$rotation[,1]`) for the feature `concave.points_mean`?

Hierarchical Clustering

```
data.scaled <- scale(wisc.data)
data.scaled
```

```
##          radius_mean texture_mean perimeter_mean    area_mean
## 842302    1.096099529 -2.071512e+00    1.26881726  0.983509520
## 842517    1.828211974 -3.533215e-01    1.68447255  1.907030269
## 84300903  1.578499202  4.557859e-01    1.56512598  1.557513185
## 84348301 -0.768233323  2.535091e-01   -0.59216612 -0.763791736
```

## 84358402	1.748757910	-1.150804e+00	1.77501133	1.824623802
## 843786	-0.475955874	-8.346009e-01	-0.38680772	-0.505205927
## 844359	1.169878303	1.605082e-01	1.13712450	1.094332010
## 84458202	-0.118412587	3.581350e-01	-0.07280278	-0.218772414
## 844981	-0.319885392	5.883121e-01	-0.18391855	-0.383869508
## 84501001	-0.473118229	1.104467e+00	-0.32919213	-0.508615849
## 845636	0.537083438	9.184652e-01	0.44162208	0.406095932
## 84610002	0.468979955	-3.254213e-01	0.47866067	0.358357013
## 846226	1.430941655	1.281168e+00	1.66389556	1.330185001
## 846381	0.488843471	1.083542e+00	0.48277607	0.363187737
## 84667401	-0.112737297	7.719888e-01	0.06712078	-0.217635773
## 84799002	0.117111959	1.918224e+00	0.19593277	0.011113212
## 848406	0.156838990	1.953835e-01	0.11403633	0.084142391
## 84862001	0.568297535	3.232597e-01	0.66385362	0.408937534
## 849014	1.612550944	6.650378e-01	1.56512598	1.719484517
## 8510426	-0.166652555	-1.146154e+00	-0.18556471	-0.251735001
## 8510653	-0.297184231	-8.322759e-01	-0.26087651	-0.383301188
## 8510824	-1.311926130	-1.592558e+00	-1.30166089	-1.082619515
## 8511133	0.344123569	-1.169404e+00	0.43339128	0.140690277
## 851509	1.995633037	8.719647e-01	1.86143471	2.128675248
## 852552	0.715855082	4.860112e-01	0.74204620	0.709579058
## 852631	0.854899693	-6.718494e-01	0.98897014	0.732596037
## 852763	0.128462539	5.208865e-01	0.22391748	-0.028669220
## 852781	1.272033528	2.232838e-01	1.24000947	1.247778534
## 852973	0.332772989	1.390444e+00	0.42927589	0.220255141
## 853201	0.976918434	-9.857273e-01	0.94781615	0.853079974
## 853401	1.277708818	1.353244e+00	1.35112524	1.230728920
## 853612	-0.649052227	-1.370945e-01	-0.57776223	-0.608924411
## 85382601	0.820847952	1.090517e+00	0.85727737	0.694518566
## 854002	1.459318106	1.669447e+00	1.47870261	1.441007491
## 854039	0.568297535	-3.277463e-01	0.61858424	0.432806994
## 854253	0.741393888	5.348366e-01	0.74616160	0.609838817
## 854268	0.034820250	5.650619e-01	0.06835540	-0.062200127
## 854941	-0.311372457	-2.021951e-01	-0.38516156	-0.372503099
## 855133	0.244805990	1.374169e+00	0.14695952	0.124777304
## 855138	-0.183678426	3.558100e-01	-0.14687996	-0.271910377
## 855167	-0.195029006	5.325116e-01	-0.23824182	-0.261112289
## 855563	-0.901602644	4.790361e-01	-0.82592078	-0.806415771
## 855625	1.402565204	1.283494e+00	1.49516420	1.276194557
## 856106	-0.240431328	2.302588e-01	-0.19132627	-0.311692810
## 85638502	-0.271645425	5.859871e-01	-0.26951885	-0.350622761
## 857010	1.283384108	-3.928469e-01	1.30585585	1.196629693
## 85713702	-1.683090114	-5.695485e-01	-1.65681982	-1.287214880
## 85715	-0.271645425	-1.463946e-01	-0.24647261	-0.341813794
## 857155	-0.589461680	-1.083378e+00	-0.57323529	-0.584202471
## 857156	-0.180840780	6.999132e-01	-0.20819940	-0.266795493
## 857343	-0.671753388	5.371617e-01	-0.70986653	-0.645012760
## 857373	-0.138276103	-6.857996e-01	-0.19585321	-0.236106188
## 857374	-0.620675776	-2.440455e-01	-0.66912408	-0.617449218
## 857392	1.161365367	-1.370945e-01	1.16593229	1.074440794
## 857438	0.276020086	6.348126e-01	0.21774438	0.164559736
## 85759902	-0.739856872	-1.254694e-01	-0.76665904	-0.698719043
## 857637	1.442292236	-1.673198e-01	1.37993303	1.412591468
## 857793	0.165351926	5.348366e-01	0.14737106	0.005714168

## 857810	-0.305697166	4.731766e-03	-0.38516156	-0.362841651
## 858477	-1.563341489	-1.743684e+00	-1.54858483	-1.222994668
## 858970	-1.122938965	-1.025253e+00	-1.12840260	-0.974638627
## 858981	-1.569016779	3.930103e-01	-1.53541555	-1.230666995
## 858986	0.034820250	6.650378e-01	0.18317503	-0.026111778
## 859196	-1.405852184	-1.262405e+00	-1.34857644	-1.119560344
## 85922302	-0.410690036	1.057966e+00	-0.38186924	-0.442974836
## 859283	0.185215442	1.081217e+00	0.22350594	0.038108434
## 859464	-1.322992946	3.999854e-01	-1.31112631	-1.095406725
## 859465	-0.799447419	-5.804381e-02	-0.83003618	-0.741058918
## 859471	-1.446714274	-4.556225e-01	-1.36544958	-1.149113008
## 859487	-0.382313585	-6.509243e-01	-0.43619250	-0.433029228
## 859575	1.365675817	4.697360e-01	1.30174045	1.350076217
## 859711	-1.486725071	-1.081053e+00	-1.36544958	-1.167583423
## 859717	0.871925564	1.216068e+00	0.91489296	0.780050795
## 859983	-0.092873781	-8.136758e-01	-0.06333736	-0.201154480
## 8610175	-0.515682906	-6.439492e-01	-0.52590820	-0.522823861
## 8610404	0.551271664	8.378249e-02	0.49923767	0.462643818
## 8610629	-0.169490200	-1.941311e+00	-0.16704542	-0.271910377
## 8610637	1.113125400	-7.299750e-01	1.16181689	0.997717532
## 8610862	1.717543814	1.088192e+00	2.12893563	1.676860482
## 8610908	-0.359612424	-2.998460e-01	-0.36129224	-0.422231139
## 861103	-0.759720388	3.906853e-01	-0.74731666	-0.720031061
## 8611161	-0.223405457	-7.974006e-01	-0.22548408	-0.383301188
## 8611555	3.147716961	1.306744e+00	3.27301653	3.475594740
## 8611792	1.411078139	1.627597e+00	1.52808739	1.355759422
## 8612080	-0.603649905	-8.462260e-01	-0.61809314	-0.601252084
## 8612399	1.229468851	-1.789449e-01	1.19885548	1.193788091
## 86135501	0.100086088	5.046114e-01	0.09387087	-0.019007772
## 86135502	1.388376978	1.232343e+00	1.23589407	1.196629693
## 861597	-0.501494680	5.836621e-01	-0.50162735	-0.536463552
## 861598	0.145488410	-9.415519e-01	0.15642494	-0.008493844
## 861648	0.139813120	1.099817e+00	0.10704015	0.022195461
## 861799	0.352636505	8.068641e-01	0.33873711	0.208320412
## 861853	-0.243268973	-1.053153e+00	-0.29750356	-0.293222395
## 862009	-0.192191361	-2.300954e-01	-0.22095714	-0.283560947
## 862028	0.264669505	1.256329e-01	0.34285251	0.144100200
## 86208	1.740244975	8.696397e-01	1.66389556	1.730850926
## 86211	-0.552572293	-3.370464e-01	-0.58352379	-0.579087586
## 862261	-1.231620773	1.512081e-01	-1.22881833	-1.024082507
## 862485	-0.717155711	-1.499557e+00	-0.72550505	-0.688489275
## 862548	0.083060217	1.116827e-01	0.10333629	-0.035204906
## 862717	-0.146789039	1.323019e+00	-0.16128386	-0.205132723
## 862722	-2.027863997	-1.362381e+00	-1.98275941	-1.453164455
## 862965	-0.552572293	2.860593e-01	-0.60698156	-0.557491409
## 862980	-1.206365731	2.565696e-02	-1.15309499	-1.013284418
## 862989	-1.032134320	8.172307e-05	-1.01070219	-0.905871851
## 863030	-0.288671295	-8.671512e-01	-0.19585321	-0.354316844
## 863031	-0.705805130	-2.231203e-01	-0.69134724	-0.688773435
## 863270	-0.501494680	-1.742949e-01	-0.53331592	-0.534758590
## 86355	2.310611646	8.843253e-02	2.50343693	2.427043490
## 864018	-0.790934484	4.581109e-01	-0.80205147	-0.734239072
## 864033	-1.234458418	-5.346732e-01	-1.21276828	-1.036301397
## 86408	-0.424878262	3.418599e-01	-0.40409239	-0.495828639

## 86409	0.037657895	8.378249e-02	0.24120216	-0.071009095
## 864292	-1.026459030	2.093336e-01	-0.96008279	-0.911270896
## 864496	-1.532694922	-8.043757e-01	-1.48685385	-1.204808414
## 864685	-0.623513421	5.208865e-01	-0.63537781	-0.614607615
## 864726	-1.469131671	-8.206508e-01	-1.36750728	-1.164173501
## 864729	0.210754248	-6.090739e-01	0.27453689	0.078459187
## 864877	0.468979955	8.417395e-01	0.56508405	0.362903577
## 865128	1.084748949	1.674833e-01	0.91489296	0.929519076
## 865137	-0.771070968	-1.969211e+00	-0.76665904	-0.714916176
## 86517	1.286221753	-5.044479e-01	1.21120168	1.199471295
## 865423	2.872465383	2.116587e-01	3.05490039	3.143127271
## 865432	0.105761378	-1.952936e+00	0.09510549	-0.040319790
## 865468	-0.214892522	-6.741745e-01	-0.24153414	-0.288107511
## 86561	-0.078685556	-4.835227e-01	-0.14523380	-0.188083109
## 866083	-0.146789039	1.255593e+00	-0.17321851	-0.233832907
## 866203	1.382701688	-8.826909e-02	1.29350966	1.372809036
## 866458	0.276020086	-6.741745e-01	0.31322164	0.055726368
## 866674	1.606875653	1.355569e+00	1.58158758	1.526255560
## 866714	-0.549734648	-1.394931e+00	-0.53043514	-0.565732056
## 8670	0.378175311	4.425713e-02	0.40046809	0.267141579
## 86730502	0.576810470	5.232115e-01	0.58566104	0.440195160
## 867387	0.449116439	-1.246130e+00	0.41281429	0.303514089
## 867739	1.226631206	6.092373e-01	1.16181689	1.193788091
## 868202	-0.385151230	7.394385e-01	-0.42178861	-0.422231139
## 868223	-0.685941614	-6.090739e-01	-0.70986653	-0.657231650
## 868682	-0.765395678	-9.066766e-01	-0.77818215	-0.724861785
## 868826	0.233455409	-3.998219e-01	0.20087125	0.065956136
## 868871	-0.807960355	-1.371681e+00	-0.78065139	-0.767485819
## 868999	-1.245525234	-1.701834e+00	-1.26462230	-1.041132121
## 869104	0.562622244	-2.882209e-01	0.54039166	0.449288287
## 869218	-0.765395678	-4.602725e-01	-0.75348976	-0.729976669
## 869224	-0.348261843	-7.834505e-01	-0.33865755	-0.405465686
## 869254	-0.958355547	-1.004328e+00	-0.97572130	-0.851313087
## 869476	-0.632026357	-1.078728e+00	-0.57035451	-0.631088909
## 869691	-0.660402808	-6.299991e-01	-0.53413900	-0.633362190
## 86973701	0.233455409	-1.208194e-01	0.24161370	0.098350403
## 86973702	0.088735507	-9.555021e-01	0.08234776	-0.042024751
## 869931	-0.109899652	-3.207712e-01	-0.15840308	-0.198597038
## 871001501	-0.319885392	3.465099e-01	-0.34812297	-0.385006149
## 871001502	-1.676563530	3.279097e-01	-1.59261960	-1.281531676
## 8710441	-1.247511586	-9.183017e-01	-1.16009117	-1.007885374
## 87106	-0.844849742	-1.443757e+00	-0.86830939	-0.775726466
## 8711002	-0.277320715	-9.183017e-01	-0.27404579	-0.329594904
## 8711003	-0.532708777	-3.137962e-01	-0.56376987	-0.552944845
## 8711202	1.008132530	3.372098e-01	1.04658572	0.877517754
## 8711216	0.769770339	3.960709e-02	0.67619982	0.640243962
## 871122	-0.586624034	-1.522807e+00	-0.62262007	-0.586191592
## 871149	-0.915790870	-1.471657e+00	-0.95802509	-0.818634661
## 8711561	-0.674591034	2.070086e-01	-0.65307403	-0.668029738
## 8711803	1.436616945	-7.788004e-01	1.41285622	1.426799479
## 871201	1.550122751	-2.649707e-01	1.59393378	1.588770811
## 8712064	-0.507169971	6.813130e-01	-0.49874657	-0.541010116
## 8712289	2.594376160	6.394626e-01	2.47462914	2.930007098
## 8712291	0.239130699	1.093577e-01	0.14531336	0.100339524

## 87127	-0.944167321	-2.227289e+00	-0.95473277	-0.844777402
## 8712729	0.752744468	-1.138443e-01	0.71323841	0.657577736
## 8712766	0.948541983	1.253268e+00	0.99308554	0.936907242
## 8712853	0.239130699	-5.439733e-01	0.17494423	0.088120634
## 87139402	-0.512845261	-1.604183e+00	-0.53990056	-0.542146756
## 87163	-0.197866651	7.913245e-02	-0.25223417	-0.254292443
## 87164	0.378175311	-1.720434e+00	0.43339128	0.233042352
## 871641	-0.864713257	-1.064778e+00	-0.89547102	-0.801869207
## 871642	-0.983894353	-9.624771e-01	-1.00740987	-0.867510220
## 872113	-1.548301970	-1.125229e+00	-1.54529251	-1.215322342
## 872608	-1.198420325	-2.858959e-01	-1.12634490	-1.001633849
## 87281702	0.661939824	1.907335e-01	0.71323841	0.505836173
## 873357	-0.317047747	6.813130e-01	-0.40985395	-0.365114933
## 873586	-0.373800649	-1.448407e+00	-0.43948482	-0.415127134
## 873592	3.715245987	5.999372e-01	3.70924881	4.532670797
## 873593	1.975769521	1.692697e+00	2.08778165	1.864406234
## 873701	0.446278794	2.372339e-01	0.37989110	0.317437940
## 873843	-0.771070968	-1.015953e+00	-0.75883978	-0.718610259
## 873885	0.327097698	7.254884e-01	0.28606000	0.158308211
## 874158	-1.148477771	-9.717772e-01	-1.16091425	-0.958725654
## 874217	1.186904174	-1.649948e-01	1.09597051	1.097173612
## 874373	-0.685941614	-4.881728e-01	-0.71151269	-0.666608937
## 874662	-0.657565163	-4.416723e-01	-0.68723184	-0.642171158
## 874839	-0.518520551	-7.881005e-01	-0.54072364	-0.543283397
## 874858	0.026307314	8.905649e-01	0.09880935	-0.127841141
## 875093	-0.385151230	4.929862e-01	-0.40944241	-0.419105377
## 875099	-1.250632996	-2.486956e-01	-1.28561084	-1.042268762
## 875263	-0.507169971	1.760123e+00	-0.44524638	-0.504353446
## 87556202	0.207916603	9.114901e-01	0.34696791	0.046917401
## 875878	-0.345424198	-6.881246e-01	-0.38845388	-0.393530956
## 875938	-0.101386717	6.975881e-01	-0.05510657	-0.187514789
## 877159	1.121638336	5.929622e-01	1.04658572	1.048866373
## 877486	1.433779300	7.440886e-01	1.46224101	1.401225059
## 877500	0.091573152	2.163087e-01	0.10374783	-0.034636585
## 877501	-0.538384067	6.285730e-02	-0.55265829	-0.550955724
## 877989	0.968405498	7.056787e-03	0.95193155	0.843134366
## 878796	2.600051450	1.715947e+00	2.75447627	2.927165495
## 87880	-0.090036136	1.037041e+00	-0.01683336	-0.162224529
## 87930	-0.470280584	-1.603448e-01	-0.44771562	-0.491566235
## 879523	0.281695376	-6.067489e-01	0.28029845	0.175357825
## 879804	-1.206365731	-4.695726e-01	-1.19548360	-1.021525065
## 879830	0.818010306	2.256088e-01	0.72970001	0.708726577
## 8810158	-0.288671295	7.557137e-01	-0.20367247	-0.356590126
## 8810436	0.324260053	-1.483282e+00	0.25519451	0.200648086
## 881046502	1.831049619	6.627128e-01	1.75854973	1.804732586
## 8810528	-0.649052227	-8.129402e-02	-0.67735488	-0.644728600
## 8810703	3.967796404	-1.905700e-01	3.97263434	5.240229770
## 881094802	0.934353757	1.457870e+00	0.92723915	0.832904598
## 8810955	0.017794379	1.050991e+00	0.03707837	-0.125567859
## 8810987	-0.075847910	-5.486233e-01	-0.04152575	-0.215930812
## 8811523	-0.634864002	-2.184703e-01	-0.60286616	-0.632793870
## 8811779	-1.114426029	-4.207471e-01	-1.10782561	-0.948211726
## 8811842	1.609713298	5.278616e-01	1.55277979	1.634236448
## 88119002	1.533096880	3.064460e+00	1.48281801	1.614345231

## 8812816	-0.135438458	-1.425156e+00	-0.16828004	-0.244346835
## 8812818	-0.160977264	-1.253105e+00	-0.13906070	-0.265943013
## 8812844	-1.120101319	-4.091220e-01	-1.10494483	-0.971228704
## 8812877	0.460467020	2.232838e-01	0.43750668	0.302377448
## 8813129	-0.243268973	-5.276981e-01	-0.30532282	-0.308282887
## 88143502	0.060359056	-1.353081e+00	0.02226293	-0.038898989
## 88147101	-1.046322546	-8.904015e-01	-1.04321384	-0.924342266
## 88147102	0.247643635	-8.787763e-01	0.22556364	0.084142391
## 88147202	-0.427715907	1.088192e+00	-0.43701558	-0.450363002
## 881861	-0.368125359	7.068882e-01	-0.27610349	-0.431040106
## 881972	0.829360887	-4.874373e-02	0.88196977	0.682299676
## 88199202	-0.796609774	1.811273e+00	-0.83168234	-0.736512354
## 88203002	-0.824986226	3.376013e+00	-0.87160171	-0.761802615
## 88206102	1.811186103	1.981000e+00	1.74620354	1.887139053
## 882488	-1.294048966	-7.857755e-01	-1.30701091	-1.066422381
## 88249602	-0.027607943	4.557859e-01	-0.08967592	-0.146311556
## 88299702	2.577350289	1.785698e+00	2.53224473	2.884541461
## 883263	1.802673168	5.046114e-01	1.66801096	1.850198223
## 883270	0.026307314	1.990300e+00	0.02390909	-0.088058708
## 88330202	0.945704337	4.647799e+00	0.88196977	0.755044695
## 88350402	-0.138276103	-8.578512e-01	-0.18885703	-0.226160580
## 883539	-0.484468810	-9.880524e-01	-0.54977751	-0.506910888
## 883852	-0.802285065	-2.556706e-01	-0.74237818	-0.754414449
## 88411702	-0.107062007	1.041691e+00	-0.14111840	-0.184389026
## 884180	1.496207493	9.789157e-01	1.52808739	1.421116275
## 884437	-1.034971965	1.326079e-01	-1.03909844	-0.901325288
## 884448	-0.263132489	-4.323722e-01	-0.32260749	-0.321922578
## 884626	-0.351099488	-1.204279e+00	-0.28886122	-0.405465686
## 88466802	-0.986731998	1.378819e+00	-0.98600980	-0.874898386
## 884689	-0.739856872	-1.013628e+00	-0.74484742	-0.706391370
## 884948	1.933204844	9.928658e-01	1.93139649	2.015011156
## 88518501	-0.745532162	-1.952201e-01	-0.76912828	-0.703265607
## 885429	1.589849783	1.233079e-01	1.59393378	1.566037992
## 8860702	0.900302015	-5.137480e-01	0.86550817	0.776640872
## 886226	1.510395719	9.381808e-03	1.42108702	1.460898707
## 886452	-0.047471459	-5.207231e-01	-0.02218337	-0.149153158
## 88649001	1.538772170	2.204202e+00	1.71328034	1.568879595
## 886776	0.338448279	-4.695726e-01	0.46219908	0.165980537
## 887181	0.434928213	9.091651e-01	0.75027700	0.337044996
## 88725602	0.398038827	3.317887e+00	0.48277607	0.255775170
## 887549	1.754433200	1.806623e+00	1.68447255	1.799049381
## 888264	0.914490241	8.766148e-01	0.78320019	0.790564724
## 888570	0.897464370	6.603878e-01	0.92312375	0.832336278
## 889403	0.420739988	2.100692e-02	0.33050631	0.294705122
## 889719	0.869087919	6.464377e-01	0.80789259	0.776925033
## 88995002	1.873614296	2.750582e+00	1.79970372	2.171299283
## 8910251	-1.000920224	-7.896900e-02	-0.93374423	-0.876603348
## 8910499	-0.152464329	5.929622e-01	-0.19791091	-0.266795493
## 8910506	-0.356774779	-7.160249e-01	-0.39462698	-0.405465686
## 8910720	-0.969706127	2.558341e-01	-0.92469035	-0.880865751
## 8910721	0.046170830	-5.741986e-01	-0.06868738	-0.063336768
## 8910748	-0.805122710	-1.453057e+00	-0.81233996	-0.758392692
## 8910988	2.163054099	3.953354e-01	2.27708999	2.375894649
## 8910996	-1.244390176	-8.415760e-01	-1.25392227	-1.037153878

## 8911163	1.079073659	1.206768e+00	0.95604695	0.977542155
## 8911164	-0.634864002	-4.486474e-01	-0.64895863	-0.623132422
## 8911230	-0.793772129	-1.192654e+00	-0.83044772	-0.733954912
## 8911670	1.328786430	1.605082e-01	1.19062468	1.270511353
## 8911800	-0.152464329	-3.370464e-01	-0.23577258	-0.234685387
## 8911834	-0.078685556	-9.555021e-01	-0.12259911	-0.191777192
## 8912049	1.428104010	1.699672e+00	1.40874083	1.372809036
## 8912055	-0.677428679	-1.225205e+00	-0.72962045	-0.646717721
## 89122	1.496207493	-2.579956e-01	1.44989481	1.392700252
## 8912280	0.599511631	-1.208194e-01	0.69266142	0.426839629
## 8912284	-0.351099488	-8.346009e-01	-0.32466519	-0.392962636
## 8912521	-0.439066487	-2.068452e-01	-0.49956965	-0.471390859
## 8912909	-0.620675776	3.418599e-01	-0.58023147	-0.607787770
## 8913	-0.351099488	-1.434456e+00	-0.41479243	-0.394951757
## 8913049	-0.813635645	1.558582e-01	-0.75102052	-0.741058918
## 89143601	-0.782421549	-9.291913e-02	-0.81480920	-0.735659873
## 89143602	0.080222572	1.023827e-01	0.16712498	-0.011051286
## 8915	0.236293054	-4.409368e-02	0.20827896	0.092098878
## 891670	-0.334073618	-7.602003e-01	-0.36334994	-0.401203282
## 891703	-0.646214582	-4.253972e-01	-0.67612026	-0.631373069
## 891716	-0.399339456	-1.281005e+00	-0.41931937	-0.462581892
## 891923	-0.101386717	-1.399581e+00	-0.16087232	-0.205132723
## 891936	-0.912953225	-1.613483e+00	-0.93950579	-0.827443628
## 892189	-0.671753388	-2.672957e-01	-0.69834341	-0.635919632
## 892214	0.037657895	-2.603207e-01	-0.03082571	-0.061915967
## 892399	-1.026459030	8.835898e-01	-1.03374843	-0.911270896
## 892438	1.533096880	-9.059411e-02	1.54454899	1.597295618
## 892604	-0.473118229	1.395830e-01	-0.47487725	-0.521687220
## 89263202	1.692005007	1.062616e+00	1.75854973	1.682543687
## 892657	-1.032134320	-1.580197e-01	-1.03333689	-0.910986735
## 89296	-0.756882742	-2.626457e-01	-0.75637054	-0.715484497
## 893061	-0.717155711	1.209093e+00	-0.73003199	-0.675417904
## 89344	-0.263132489	-8.067007e-01	-0.32507673	-0.334141468
## 89346	-1.454943445	-1.136854e+00	-1.46545377	-1.161047738
## 893526	-0.178003135	-1.529782e+00	-0.25840727	-0.252019161
## 893548	-0.305697166	-1.267055e+00	-0.38104616	-0.353180203
## 893783	-0.688779259	-4.176866e-02	-0.72591659	-0.671155501
## 89382601	0.136975474	-8.369260e-01	0.02925911	0.028446986
## 89382602	-0.387988875	-1.376331e+00	-0.39833083	-0.428482664
## 893988	-0.734181581	-1.992462e+00	-0.75060898	-0.698434883
## 894047	-1.569300544	-1.603448e-01	-1.55887333	-1.232371956
## 894089	-0.464605294	-5.672235e-01	-0.52590820	-0.492418716
## 894090	-0.552572293	-1.211254e+00	-0.60574694	-0.549819083
## 894326	1.161365367	-9.756917e-02	1.10008591	1.057391180
## 894329	-1.443025336	-9.059411e-02	-1.31277247	-1.166162622
## 894335	-0.481631164	-5.323482e-01	-0.55018905	-0.504637606
## 894604	-1.100237803	-7.229999e-01	-1.04732924	-0.939686919
## 894618	1.711868523	8.610751e-02	1.61039537	1.759266949
## 894855	-0.359612424	-1.387956e+00	-0.37651922	-0.426493543
## 895100	1.762946136	5.162365e-01	1.80793452	1.730850926
## 89511501	-0.546897003	-9.485270e-01	-0.57446991	-0.559764691
## 89511502	-0.413527681	-4.625975e-01	-0.44113098	-0.468833417
## 89524	-0.004906782	-1.490257e+00	-0.07979896	-0.109086565
## 895299	-0.595136970	-3.161212e-01	-0.65348557	-0.593579758

## 8953902	0.608024567	3.302348e-01	0.61446884	0.451277409
## 895633	0.605186921	6.022623e-01	0.63916123	0.488502399
## 896839	0.539921083	-8.787763e-01	0.56919945	0.393024562
## 896864	-0.325560682	1.403185e-02	-0.30655744	-0.400350802
## 897132	-0.824986226	1.326079e-01	-0.82427462	-0.760381813
## 897137	-0.816473290	-1.048503e+00	-0.84732086	-0.752709487
## 897374	-0.518520551	-6.269385e-02	-0.57981993	-0.541294276
## 89742801	0.832198532	3.976604e-01	0.81612338	0.749361490
## 897604	-0.322723037	-1.176379e+00	-0.32466519	-0.399498321
## 897630	1.317435850	4.976363e-01	1.27293266	1.242095330
## 897880	-1.156990706	-4.091220e-01	-1.13416416	-0.977764390
## 89812	2.662479643	1.157942e+00	2.59809111	3.103344838
## 89813	0.083060217	-6.392991e-01	0.08975548	-0.038898989
## 898143	-1.282982150	-5.695485e-01	-1.24816071	-1.063864939
## 89827	-0.870388548	-1.006653e+00	-0.84279392	-0.798459284
## 898431	1.575661557	5.557618e-01	1.56101059	1.531938765
## 89864002	-0.685941614	-8.927265e-01	-0.69710880	-0.666608937
## 898677	-1.097400158	-1.064778e+00	-1.06049852	-0.947075085
## 898678	-0.586624034	-9.059411e-02	-0.63002779	-0.595568880
## 89869	0.179540151	-1.057803e+00	0.11938635	0.039245075
## 898690	-0.754045097	-7.578752e-01	-0.77982831	-0.716621138
## 899147	-0.617838131	-1.006653e+00	-0.60657002	-0.648422683
## 899187	-0.700129840	-5.160730e-01	-0.75184360	-0.664619816
## 899667	0.460467020	-1.619343e-02	0.62269963	0.294705122
## 899987	3.292436862	-4.253972e-01	3.38413230	3.850686244
## 9010018	0.270344796	1.499720e+00	0.24819833	0.175357825
## 901011	-0.847687387	-1.213579e+00	-0.85308241	-0.768054140
## 9010258	-0.444741778	-5.106875e-02	-0.41355781	-0.480483986
## 9010259	-0.305697166	-1.626698e-01	-0.28309967	-0.406034006
## 901028	-0.073010265	-7.160249e-01	-0.14194148	-0.173875098
## 9010333	-1.489562716	-8.834264e-01	-1.44981526	-1.176108230
## 901034301	-1.331222117	-2.254453e-01	-1.32306097	-1.069263984
## 901034302	-0.450417068	-2.835709e-01	-0.51644278	-0.463150212
## 901041	-0.234756038	5.301866e-01	-0.27692657	-0.309135368
## 9010598	-0.387988875	-1.045442e-01	-0.41561551	-0.449794682
## 9010872	0.673290405	-2.324204e-01	0.60212264	0.520612505
## 9010877	-0.206379587	-5.439733e-01	-0.26704961	-0.291233273
## 901088	1.791322587	5.790120e-01	1.72151114	1.813257393
## 9011494	1.723219104	1.753148e+00	1.71739574	1.645602857
## 9011495	-0.544059357	-2.951960e-01	-0.56212371	-0.558343890
## 9011971	2.151703519	-4.742226e-01	2.01370446	2.532182775
## 9012000	2.236832873	6.069123e-01	2.27297460	2.350320228
## 9012315	0.630725728	9.300903e-01	0.70089221	0.527148190
## 9012568	0.301558892	-1.413531e+00	0.23379444	0.161718134
## 9012795	2.055223584	-9.741022e-01	2.03016606	2.077526407
## 901288	1.848075490	-4.509724e-01	1.76266513	1.932604689
## 9013005	-0.124087878	-7.485752e-01	-0.16992620	-0.215362492
## 901303	0.579648115	-7.485752e-01	0.58977644	0.379669031
## 901315	-1.009433159	2.163087e-01	-0.89794026	-0.899620326
## 9013579	-0.189353716	2.074001e+00	-0.25017647	-0.263669731
## 9013594	-0.132600813	-9.624771e-01	-0.15222998	-0.211100088
## 9013838	-0.864713257	-1.068693e-01	-0.76830520	-0.833410993
## 901549	-0.810798000	-1.471657e+00	-0.77406675	-0.763223416
## 901836	-0.876063838	-1.013628e+00	-0.87654019	-0.801869207

## 90250	-0.589461680	7.975640e-01	-0.54401596	-0.588464874
## 90251	-0.492981745	-4.207471e-01	-0.46623492	-0.545556679
## 902727	-0.240431328	-1.294955e+00	-0.25429187	-0.321354258
## 90291	0.134137829	9.300903e-01	0.08234776	0.027878666
## 902975	-0.544059357	-1.208929e+00	-0.54278134	-0.548114121
## 902976	-0.070172620	-7.276500e-01	-0.14811458	-0.165634451
## 903011	-0.810798000	-8.811014e-01	-0.76501288	-0.747026283
## 90312	1.538772170	9.114901e-01	1.51985660	1.475106719
## 90317302	-1.097400158	-1.643708e+00	-1.07901781	-0.947075085
## 903483	-1.530424806	-5.695485e-01	-1.51031162	-1.195146966
## 903507	0.386688246	1.581832e-01	0.42927589	0.255206850
## 903516	2.123327068	6.952631e-01	2.15774343	2.137200055
## 903554	-0.575273454	-3.649466e-01	-0.57200067	-0.593011438
## 903811	-0.019095008	-4.904978e-01	-0.09132208	-0.130114423
## 90401601	-0.175165490	-9.291913e-02	-0.15922616	-0.275036140
## 90401602	-0.376638295	-4.253972e-01	-0.36705380	-0.416547935
## 904302	-0.870388548	-1.036878e+00	-0.89135562	-0.786240394
## 904357	-0.660402808	-4.718976e-01	-0.68764338	-0.633646351
## 90439701	1.073398368	4.023104e-01	1.33466365	0.963618304
## 904647	-0.623513421	-1.948286e+00	-0.65142787	-0.602957046
## 904689	-0.331235972	-2.324204e-01	-0.32054980	-0.368524856
## 9047	-0.336911263	-7.253249e-01	-0.36170378	-0.418537056
## 904969	-0.507169971	-1.008978e+00	-0.56294679	-0.527938745
## 904971	-0.904440289	-1.626698e-01	-0.88806330	-0.809541533
## 905189	0.571135180	-1.029903e+00	0.50746846	0.412347457
## 905190	-0.362450069	4.836862e-01	-0.38433848	-0.398930000
## 90524101	1.096099529	3.186096e-01	1.06304732	0.957082619
## 905501	-0.527033487	-3.184462e-01	-0.55800831	-0.536463552
## 905502	-0.785259194	-3.998219e-01	-0.80163993	-0.724861785
## 905520	-0.876063838	-5.718735e-01	-0.86625169	-0.800448406
## 905539	-1.342288933	5.557618e-01	-1.32594175	-1.097111686
## 905557	0.244805990	6.557377e-01	0.22885596	0.110285132
## 905680	0.284533021	2.446004e+00	0.19510969	0.183598472
## 905686	-0.634864002	4.371857e-01	-0.64113937	-0.628247306
## 905978	-1.340018817	5.604119e-01	-1.33211485	-1.090291841
## 90602302	0.389525891	4.162605e-01	0.44985288	0.421156424
## 906024	-0.405014746	-1.655333e+00	-0.45635796	-0.454341245
## 906290	-0.842012096	4.929862e-01	-0.86501707	-0.780273029
## 906539	-0.725668646	-5.804381e-02	-0.73126661	-0.696729922
## 906564	0.159676636	-1.234505e+00	0.25725221	0.003440886
## 906616	-0.714318065	-7.602003e-01	-0.67941258	-0.700992325
## 906878	-0.132600813	-3.711862e-02	-0.10325673	-0.226160580
## 907145	-1.244390176	-3.944364e-02	-1.23622605	-1.037722198
## 907367	-1.162665996	4.627610e-01	-1.18437203	-0.987709998
## 907409	-1.034971965	-1.002002e+00	-1.00740987	-0.912975857
## 90745	-0.944167321	6.255125e-01	-0.95390969	-0.838241716
## 90769601	-0.850525032	-6.206990e-01	-0.88477099	-0.777999748
## 90769602	-0.399339456	-3.765717e-01	-0.45224256	-0.436439151
## 907914	0.219267183	7.533886e-01	0.41692969	0.085563192
## 907915	-0.490144100	-3.742467e-01	-0.43207711	-0.531632828
## 908194	1.717543814	5.820726e-02	1.72151114	1.691068494
## 908445	1.331624075	6.231874e-01	1.30585585	1.293244171
## 908469	0.207916603	-5.462983e-01	0.12020943	0.053453086
## 908489	-0.041796169	7.680743e-02	-0.03494111	-0.157393805

## 908916	-0.356774779	5.820726e-02	-0.38269232	-0.413990493
## 909220	-0.024770298	-7.695003e-01	-0.09008746	-0.124147058
## 909231	-0.078685556	7.215739e-02	-0.13535684	-0.177000861
## 909410	-0.030445588	-8.439010e-01	-0.09790671	-0.137502588
## 909411	-0.895927354	-4.858477e-01	-0.83291696	-0.805279130
## 909445	0.891789080	1.425320e+00	0.84081578	0.778345834
## 90944601	-0.098549072	-8.136758e-01	-0.14811458	-0.196039596
## 909777	-1.009433159	-2.254453e-01	-1.03498305	-0.892232160
## 9110127	1.107450110	-5.672235e-01	1.05070112	0.952251895
## 9110720	-0.606487550	1.302094e+00	-0.59093150	-0.606935289
## 9110732	1.027996046	2.032150e+00	1.04247032	0.928382435
## 9110944	0.190890732	-3.788968e-01	0.16095188	0.056578849
## 9111150	0.114274313	1.170683e-02	0.09387087	0.013670654
## 911157302	1.978607166	2.860593e-01	1.89847330	2.071843202
## 9111596	-0.640539292	5.232115e-01	-0.62303161	-0.633362190
## 9111805	1.550122751	1.327669e+00	1.47047181	1.523413958
## 9111843	-0.603649905	2.078651e+00	-0.62550085	-0.603525366
## 911201	0.114274313	-1.234505e+00	0.07782082	-0.030374182
## 911202	-0.427715907	-4.974728e-01	-0.46705800	-0.460308610
## 9112085	-0.212054877	2.657581e+00	-0.23165718	-0.277593582
## 9112366	-0.708642775	2.325103e+00	-0.70369343	-0.681385269
## 9112367	-0.260294844	1.385794e+00	-0.32384211	-0.332436506
## 9112594	-0.319885392	1.357894e+00	-0.38516156	-0.382732867
## 9112712	-1.240701238	2.071676e+00	-1.24651455	-1.034312275
## 911296201	0.837873822	1.827549e+00	0.79143099	0.784313199
## 911296202	3.771998890	1.622947e+00	3.90678796	5.245912975
## 9113156	0.077384927	1.790348e+00	0.01156290	-0.024975137
## 911320501	-0.717155711	-2.161453e-01	-0.74443588	-0.688205115
## 911320502	-0.271645425	-2.486956e-01	-0.31643440	-0.334141468
## 9113239	-0.251781909	1.953835e-01	-0.20984556	-0.318228495
## 9113455	-0.280158360	3.372098e-01	-0.24647261	-0.335278109
## 9113514	-1.265388750	-2.765958e-01	-1.27203002	-1.047383646
## 9113538	0.985431369	9.393903e-01	1.11243210	0.925256673
## 911366	-0.711480420	-2.579956e-01	-0.64155091	-0.699287364
## 9113778	-1.265672515	-1.859200e-01	-1.25433381	-1.039427160
## 9113816	-0.592299325	2.057726e+00	-0.62220853	-0.582497509
## 911384	0.224942474	-1.013628e+00	0.18440965	0.090962237
## 9113846	-0.527033487	2.483205e+00	-0.59875076	-0.538452673
## 911391	-0.921466160	-8.532011e-01	-0.88724022	-0.841083319
## 911408	-0.368125359	-8.276259e-01	-0.37363844	-0.420526178
## 911654	0.020632024	2.883844e-01	0.01814753	-0.103687521
## 911673	-0.064497330	-6.206990e-01	-0.12342219	-0.157677965
## 911685	-0.748369807	-1.092678e+00	-0.73990894	-0.710369613
## 911916	0.602349276	5.123219e-02	0.73381540	0.457244774
## 912193	-0.558247583	-2.928710e-01	-0.56294679	-0.567152857
## 91227	-0.064497330	-1.154338e-02	-0.13329914	-0.147732357
## 912519	-0.186516071	-1.215904e+00	-0.19132627	-0.308567047
## 912558	-0.121250233	-3.835468e-01	-0.17321851	-0.238095310
## 912600	0.454791729	-1.862260e+00	0.44573748	0.262310856
## 913063	-0.475955874	-6.695244e-01	-0.37528460	-0.506342567
## 913102	0.145488410	-5.672235e-01	0.09222472	0.031572749
## 913505	1.507558074	-1.091943e-01	1.48693340	1.455215502
## 913512	-0.694454549	-7.253249e-01	-0.67817796	-0.666040617
## 913535	0.727205662	2.116587e-01	0.62269963	0.576023750

## 91376701	-0.532708777	7.324634e-01	-0.56747373	-0.535326911
## 91376702	1.056372498	-1.408881e+00	0.93135455	0.958219260
## 914062	1.101774820	2.953594e-01	1.08773971	1.000559134
## 914101	-0.473118229	-1.501882e+00	-0.54072364	-0.504637606
## 914102	-0.274483070	2.907094e-01	-0.32548827	-0.330163225
## 914333	0.210754248	2.139837e-01	0.17082883	0.073912623
## 914366	-0.419202972	-2.603207e-01	-0.38186924	-0.481052307
## 914580	-0.470280584	-4.602725e-01	-0.47405417	-0.496681120
## 914769	1.237981786	-4.114471e-01	1.20708628	1.173896874
## 91485	1.833887264	4.534609e-01	1.88612710	1.889980655
## 914862	0.258994215	-5.927987e-01	0.27824075	0.098066242
## 91504	-0.087198491	1.209093e+00	0.01485522	-0.167623573
## 91505	-0.450417068	-6.904496e-01	-0.44113098	-0.507479208
## 915143	2.543298547	1.256329e-01	2.47462914	2.918640689
## 915186	-1.378894556	-1.492582e+00	-1.25433381	-1.154227893
## 915276	-1.263118634	-1.429806e+00	-1.14609882	-1.086597758
## 91544001	-0.541221712	1.744583e-01	-0.51438508	-0.573404382
## 91544002	-0.870388548	-5.044479e-01	-0.85267087	-0.819487141
## 915452	0.616537502	-8.346009e-01	0.52393006	0.468611183
## 915460	0.378175311	1.083542e+00	0.48689147	0.217129379
## 91550	-0.677428679	-1.069428e+00	-0.64443169	-0.650411804
## 915664	0.193728377	-1.067103e+00	0.11074401	0.073344302
## 915691	-0.206379587	2.860593e-01	-0.13700300	-0.279014383
## 915940	0.128462539	-1.308905e+00	0.09551703	0.011113212
## 91594602	0.261831860	-5.106875e-02	0.21774438	0.133586271
## 916221	-0.790934484	-1.580197e-01	-0.79052835	-0.749299564
## 916799	1.186904174	3.000095e-01	1.18650928	1.128431238
## 916838	1.635252105	2.256088e-01	1.58570298	1.588770811
## 917062	-0.353937134	-2.486956e-01	-0.30943822	-0.459740290
## 917080	-0.390826520	-6.020988e-01	-0.38927696	-0.457751168
## 917092	-1.371232914	-1.253105e+00	-1.31729941	-1.128369312
## 91762702	2.980295898	5.371617e-01	3.02609260	3.370455455
## 91789	-0.813635645	1.256329e-01	-0.85061317	-0.758108532
## 917896	-0.118412587	-1.417446e-01	-0.13329914	-0.238379470
## 917897	-1.214594902	-8.392510e-01	-1.19219128	-1.027776590
## 91805	-1.576678421	-1.439106e+00	-1.54076557	-1.232087796
## 91813701	-0.189353716	-1.254694e-01	-0.18638779	-0.294927356
## 91813702	-0.507169971	-1.632083e+00	-0.53619670	-0.529643706
## 918192	-0.053146749	-1.422831e+00	-0.06827584	-0.172454297
## 918465	-0.583786389	-1.360056e+00	-0.58187763	-0.595853040
## 91858	-0.674591034	-4.021470e-01	-0.66171636	-0.659220771
## 91903901	-0.697292195	1.698083e-01	-0.68970108	-0.678259507
## 91903902	-0.126925523	-6.881246e-01	-0.17321851	-0.225592260
## 91930402	1.799835522	3.209347e-01	1.75854973	1.830307006
## 919537	-0.898764999	-3.881968e-01	-0.87160171	-0.822044583
## 919555	1.822536683	3.651101e-01	1.88612710	1.855881427
## 91979701	0.040495540	7.580387e-01	0.07411696	-0.071293255
## 919812	-0.691616904	1.197468e+00	-0.64196245	-0.706107209
## 921092	-1.815608141	1.441595e+00	-1.81032420	-1.352855894
## 921362	-1.826391193	1.429970e+00	-1.79550876	-1.376725353
## 921385	-0.734181581	-1.127554e+00	-0.71274731	-0.716052817
## 921386	0.097248443	1.325344e+00	0.15807110	0.004293366
## 921644	0.173864861	1.425320e+00	0.11239017	0.038960915
## 922296	-0.260294844	2.039125e+00	-0.29174200	-0.331015705

##	922297	-0.073010265	3.279097e-01	-0.09049900	-0.199165358
##	922576	-0.143951394	9.161401e-01	-0.19667629	-0.232127945
##	922577	-1.080374288	-6.834746e-01	-1.09712557	-0.937697797
##	922840	-1.097400158	-6.299991e-01	-1.07490241	-0.949348367
##	923169	-1.261132283	1.170683e-02	-1.27244156	-1.049088607
##	923465	-0.938492031	1.143992e+00	-0.94979429	-0.833410993
##	923748	-0.927141450	5.092614e-01	-0.96543280	-0.836536755
##	923780	-0.850525032	7.324634e-01	-0.84279392	-0.785672074
##	924084	-0.385151230	2.357653e+00	-0.43701558	-0.417684576
##	924342	-1.360449862	6.162124e-01	-1.35639570	-1.110751377
##	924632	-0.353937134	2.239077e+00	-0.38968850	-0.399498321
##	924934	-1.088887223	1.934499e+00	-1.08231013	-0.947643405
##	924964	-1.125776610	6.983236e-02	-1.12099488	-0.975206947
##	925236	-1.334911056	1.997275e+00	-1.34610720	-1.090007681
##	925277	0.131300184	7.882640e-01	0.18194041	0.006282488
##	925291	-0.742694517	1.078892e+00	-0.71809733	-0.714347856
##	925292	-0.021932653	1.827549e+00	-0.02424107	-0.154836363
##	925311	-0.830661516	2.343703e+00	-0.87654019	-0.764075896
##	925622	0.310071828	2.634331e+00	0.47042987	0.176210306
##	926125	1.927529553	1.348594e+00	2.10012784	1.966703917
##	926424	2.109138842	7.208383e-01	2.05897385	2.341795421
##	926682	1.703355588	2.083301e+00	1.61451077	1.722326119
##	926954	0.701666856	2.043775e+00	0.67208442	0.577444551
##	927241	1.836724909	2.334403e+00	1.98078127	1.733692528
##	92751	-1.806811442	1.220718e+00	-1.81279344	-1.346604368
##		smoothness_mean	compactness_mean	concavity_mean	concave.points_mean
##	842302	1.567087457	3.280628064	2.650541786	2.530248864
##	842517	-0.826235447	-0.486643478	-0.023824892	0.547662271
##	84300903	0.941382123	1.051999895	1.362279789	2.035439783
##	84348301	3.280666839	3.399917422	1.914212875	1.450431130
##	84358402	0.280125349	0.538866307	1.369806149	1.427236955
##	843786	2.235454519	1.243241565	0.865540012	0.823930674
##	844359	-0.123027974	0.088217620	0.299808599	0.646366374
##	84458202	1.602638897	1.139100062	0.060972100	0.281702390
##	844981	2.199903080	1.682529360	1.218024551	1.149679986
##	84501001	1.581308033	2.561104951	1.737343408	0.940932405
##	845636	-1.016791162	-0.712914562	-0.700068361	-0.404329784
##	84610002	0.052596137	0.470700959	0.134730431	0.441742202
##	846226	0.073927000	2.678500827	1.476429586	1.620521752
##	846381	-0.878140548	-0.078408785	0.132723402	0.121662578
##	84667401	1.190242199	2.366076318	1.555456369	0.807437038
##	84799002	1.247124502	1.044425968	0.942058008	0.637088704
##	848406	0.164227657	-0.612370674	-0.186268834	0.094602706
##	84862001	1.467543427	1.852942729	1.046172658	1.388579995
##	849014	0.138630620	-0.031071738	0.741355068	1.187048380
##	8510426	0.101657123	-0.436466208	-0.277964990	-0.028584138
##	8510653	0.792066077	0.429044358	-0.540885842	-0.459222666
##	8510824	0.429441395	-0.746429191	-0.743094054	-0.725697973
##	8511133	0.777845502	2.066906181	1.491482307	1.253538350
##	851509	-0.147913982	-0.040539147	0.262176798	0.963868867
##	852552	1.119139320	0.783125469	0.799057163	1.102518495
##	852631	1.581308033	2.333887126	1.682150100	2.349849720
##	852763	0.642750032	1.561346520	0.673617825	1.002783540
##	852781	-0.139381636	0.042774055	0.755153395	0.731669398

## 852973	0.841838093	1.237561119	0.997251316	0.994536722
## 853201	0.150007081	0.215080906	0.124820723	0.788881698
## 853401	0.713852911	1.597322676	1.795045504	1.945240211
## 853612	1.033815866	0.894840900	0.413958397	0.074758800
## 85382601	1.659521200	0.856971262	1.917976055	1.839577855
## 854002	-0.167111759	1.279217721	0.964637089	0.696104995
## 854039	0.543206001	0.976260620	0.584555896	0.737081372
## 854253	-0.018506742	0.554014162	0.577029535	0.290206921
## 854268	0.132942390	0.103365475	0.540652128	0.181967434
## 854941	-0.464321793	-1.262592351	-0.792517153	-0.507415009
## 855133	-0.177066162	-1.004132074	-0.813089204	-0.513600122
## 855138	0.372559092	0.400642130	0.219527423	0.140991057
## 855167	-1.048076429	-0.833718706	-0.723776396	-0.737295061
## 855563	1.872829837	0.330583300	0.195693949	0.200265062
## 855625	-0.394640972	2.171047684	1.529114108	1.306369528
## 856106	0.550316289	0.743362349	0.121308422	0.326286750
## 85638502	0.055440252	0.006797899	-0.077889246	0.092798715
## 857010	0.962712987	1.216732819	1.362279789	1.339614513
## 85713702	-0.736645819	-0.850381346	-0.914695068	-1.108221473
## 85715	1.382219972	0.355198565	0.423993544	0.630903590
## 857155	0.479213410	-0.254123903	-0.286996622	-0.552257082
## 857156	-0.628569443	-0.518075277	-0.517930443	-0.388609287
## 857343	-0.710337754	-1.035374525	-0.906039753	-0.973360227
## 857373	-1.387237161	-0.828416956	-0.880951886	-0.816670684
## 857374	-0.977684579	-1.076084386	-0.866526362	-0.913055370
## 857392	1.311117093	0.836142961	1.108892327	1.471048175
## 857438	-0.412416691	-0.634903109	-0.454959895	-0.401494940
## 85759902	-0.079655218	-0.939374994	-0.733058907	-0.673639935
## 857637	0.635639744	0.423363912	0.545669701	1.057160996
## 857793	1.232903927	0.608925136	0.508037900	0.832692918
## 857810	-1.120601365	-1.258237342	-1.105212334	-1.153321259
## 858477	0.082459346	-0.977433980	-0.855362261	-1.059719874
## 858970	1.211573063	-0.449341885	-0.977916494	-0.928260441
## 858981	1.986594443	-0.278549819	-0.737574723	-1.022093767
## 858986	0.607198592	1.826433983	1.564237123	0.969280842
## 859196	-1.361640125	-0.318691635	-0.362761982	-0.698895815
## 85922302	1.126249608	0.413896503	0.301062993	0.510551590
## 859283	1.481764003	0.824782070	0.475423672	1.066180953
## 859464	0.571647153	-0.503874163	-0.841438494	-0.873109845
## 859465	-1.064430091	-1.085551795	-0.648638233	-0.686010162
## 859471	0.728073486	0.699812266	2.812358532	-0.133215642
## 859487	0.138630620	-0.984629211	-0.655662835	-0.522620080
## 859575	-0.445835045	-0.027284774	0.240852111	0.788366272
## 859711	0.104501238	0.923243128	-0.034361796	-0.520558375
## 859717	0.763624926	1.489394209	1.008540857	0.786562280
## 859983	0.308566501	0.447979177	-0.136845735	0.045637224
## 8610175	-0.329937352	-0.682618852	-0.690911289	-0.675186213
## 8610404	-0.332781467	-0.380608493	0.111524153	0.449989020
## 8610629	2.327888262	0.006797899	-0.251246411	0.428856549
## 8610637	0.720963198	2.087734482	0.998505710	1.522590788
## 8610862	2.292336822	4.564408776	3.595099999	2.873007238
## 8610908	0.211866585	-0.168159826	-0.626059152	-0.664104551
## 8611103	0.984043850	-0.202999892	-0.538000737	-0.685237022
## 8611161	0.813396941	0.930817055	0.352493121	0.539930879

## 8611555	0.706742623	3.070451576	3.074526748	3.494095720
## 8611792	1.787506382	1.415548416	1.315867234	2.525094603
## 8612080	0.061839511	-0.618997861	-0.593194045	-0.780590856
## 8612399	0.169204858	0.018158791	0.560722422	1.005876097
## 86135501	-0.136537521	-0.092231203	0.396396889	0.011876813
## 86135502	-0.431614469	0.307861518	0.727556741	0.870834452
## 861597	-0.614348868	-0.187283993	-0.359375120	-0.295574871
## 861598	1.197352487	0.559694607	0.136235703	0.559774785
## 861648	-0.470721052	-0.346147122	-0.724779910	-0.498652765
## 861799	-0.310028546	-0.014030401	0.293536632	0.667756558
## 861853	-1.621876662	-1.018522537	-0.704835056	-0.578286101
## 862009	0.415220819	-0.429649673	-0.615396808	-0.544267977
## 862028	0.536095713	0.964899729	1.018576004	1.011030358
## 86208	-0.396774058	0.510464079	0.723793560	0.977012234
## 86211	0.578757441	-0.639447465	-0.801548785	-0.502776174
## 862261	0.429441395	-0.971942883	-1.028230212	-1.056163434
## 862485	-0.464321793	-0.550832513	-0.587549275	-0.397371531
## 862548	0.082459346	0.184785196	0.063731766	0.244076283
## 862717	-0.105252255	-0.364135200	-0.031978449	-0.103836352
## 862722	1.467543427	-0.542690541	-1.113892736	-1.260710292
## 862965	-1.154019719	-1.211089644	-0.814970794	-0.804558170
## 862980	0.294345925	-0.139568250	-0.341939052	-0.480097424
## 862989	0.250973169	-0.351448872	-0.738201920	-0.951196903
## 863030	3.088689066	1.366317887	1.483955946	1.213592825
## 863031	1.268455366	-0.050006557	-0.227036619	-0.362580268
## 863270	-0.824102360	-0.685269726	-0.782356566	-0.765643498
## 86355	2.576748338	3.265480209	4.234840621	3.437398846
## 864018	-0.623592242	-0.730713292	-0.470012616	-0.771313185
## 864033	0.521875137	-0.384395456	-0.570238647	-0.802496466
## 86408	0.211155557	0.313541963	0.222036210	0.290980060
## 86409	-1.279160785	2.252467405	2.653050573	0.748936173
## 864292	1.126249608	0.491529260	-0.301547585	-0.470046615
## 864496	1.325337669	-0.422833138	-0.595577393	-0.764870359
## 864685	0.093835806	-0.489483700	-0.696430620	-0.743222462
## 864726	-0.123739003	0.377920347	0.048051849	-0.665908543
## 864729	1.410661124	1.146673989	1.006032070	1.038863369
## 864877	1.360889109	1.341702622	1.561728336	1.182151832
## 865128	-0.877429520	-0.702879108	-0.199063646	0.181452008
## 865137	-0.187020565	-0.709884991	-0.673349782	-0.584728928
## 86517	0.642750032	0.107152439	0.713758413	0.972373399
## 865423	3.437093173	3.452934915	4.239858194	3.924476535
## 865432	0.976933562	0.105258957	-0.004758112	0.228355786
## 865468	-1.792523571	-0.588702151	-0.098837616	-0.539113716
## 86561	-0.605105493	-0.813837146	-0.935768876	-0.966659687
## 866083	-0.268788876	-0.487022174	-0.450945836	-0.465665493
## 866203	-1.008969846	-0.455590375	0.049055363	0.189441113
## 866458	1.325337669	1.445844126	0.313606926	0.938612987
## 866674	0.365448804	1.033065077	2.078538407	1.700412801
## 866714	0.728073486	-0.175165709	-0.755763427	-0.517981244
## 8670	0.912940971	0.340050710	0.725047954	0.823415248
## 86730502	0.315676789	0.455553104	0.194439556	0.185833130
## 867387	-0.123739003	-0.184065074	-0.218883062	0.268301311
## 867739	-0.146491924	-0.137296071	0.332422827	0.503851050
## 868202	-0.413127720	-0.884842716	-0.522948016	-0.563854170

## 868223	0.621419168	-0.821600422	-0.663314635	-0.590656328
## 868682	0.002113093	-0.671257961	-0.674478736	-0.519785236
## 868826	1.446212563	0.495316224	0.816618670	0.961807163
## 868871	1.424881700	0.175317786	-0.532481406	-0.024718442
## 868999	-0.274477106	-1.198971360	-1.113892736	-1.260710292
## 869104	0.060417453	0.177211268	0.071132687	0.270878441
## 869218	0.912940971	-0.179520717	-0.859125441	-0.781106282
## 869224	-0.681896603	-0.175165709	-0.499992617	-0.464892354
## 869254	-1.310446052	-1.002617289	-0.831528787	-1.057761255
## 869476	1.339558245	0.478274887	-0.648512793	-0.486797964
## 869691	0.905830684	1.243241565	0.967145875	0.650232070
## 86973701	-1.065141120	0.234015725	0.021333270	-0.342736362
## 86973702	0.237463622	-0.042432629	-0.049289077	0.164958372
## 869931	-1.203080705	-0.768393581	-0.752502004	-0.918209631
## 871001501	1.218683351	-0.538714229	-0.720514973	-0.579059240
## 871001502	-0.164267644	0.495316224	0.543160914	-0.701988371
## 8710441	0.770735214	1.051999895	4.039155254	0.764141244
## 87106	0.083881403	-1.007540342	-0.865271969	-0.800434761
## 8711002	-0.179199249	-0.366596727	0.051815029	-0.363095694
## 8711003	-0.698250265	-0.711021080	-0.626560909	-0.659981142
## 8711202	1.076477593	1.176969699	1.213006977	1.455585392
## 8711216	-1.557884071	-0.608015666	-0.467880147	-0.546587394
## 871122	-0.231104350	-0.983303774	-0.866526362	-0.754819549
## 871149	-1.508112056	-1.271681064	-1.075131980	-1.090928926
## 8711561	0.891610108	0.184785196	-0.255511348	-0.297378863
## 8711803	-0.669809113	0.268098398	0.382598562	1.230601888
## 871201	1.112029032	1.178863181	2.032125852	2.053479698
## 8712064	0.344117940	-0.053793521	-0.440283493	-0.533444028
## 8712289	-0.851121454	0.192359123	0.546924094	1.239621845
## 8712291	-0.863919973	-0.962286125	-0.869662345	-0.761004663
## 87127	-0.029883203	-0.889576421	-0.796405772	-0.823113511
## 8712729	-0.548223190	-0.237082566	-0.057442634	0.434010810
## 8712766	0.607198592	1.059573823	1.594342564	1.427236955
## 8712853	0.155695311	-0.482667166	-0.787499579	-0.286297201
## 87139402	0.457882546	-0.653837927	-0.613766097	-0.307171959
## 87163	-0.418104922	-0.785056221	-0.379069096	-0.374692781
## 87164	2.086138474	0.968686693	1.435034605	1.566402009
## 871641	0.301456213	-0.888250984	-0.817479581	-0.595037450
## 871642	-0.600128292	-1.161101722	-1.113892736	-1.260710292
## 872113	-0.354112331	-1.166024775	-1.113892736	-1.260710292
## 872608	0.044774820	0.474487923	0.525599407	-0.303048550
## 87281702	0.138630620	0.970580175	1.135234588	1.024173724
## 873357	-2.406852445	-1.608720838	-1.093885161	-1.212981833
## 873586	-0.637812818	-1.261077565	-0.998576353	-0.917951918
## 873592	0.927161547	1.648446686	2.487470647	3.579141030
## 873593	1.261345078	3.386663049	2.005783591	2.594677130
## 873701	-0.027750117	-0.309602922	-0.286871183	0.076562792
## 873843	-0.410283605	-0.431543155	-0.338552190	-0.652249750
## 873885	-0.411705663	0.016265309	-0.439656296	-0.419792568
## 874158	-0.262389617	-1.086687884	-1.093860074	-1.198756072
## 874217	-0.745178165	-0.372277172	-0.089178787	0.237633456
## 874373	0.098101979	-0.812890405	-0.636094299	-0.425977681
## 874662	0.308566501	-0.922523006	-0.818733974	-0.860481905
## 874839	-1.106380790	-0.602335220	-0.631703922	-0.834452886

## 874858	0.792066077	2.593294143	1.371060543	0.444834759
## 875093	-0.630702530	-0.725790239	-0.723525517	-0.522620080
## 875099	-1.909843321	-1.531845474	-1.113892736	-1.260710292
## 875263	0.500544274	0.586203354	0.247124077	-0.085023299
## 87556202	0.571647153	1.773416490	1.014812824	1.027266281
## 875878	-1.205213791	-0.959635250	-0.628066181	-0.648126341
## 875938	1.680852064	0.423363912	0.623442090	0.421125157
## 877159	-1.610500201	-0.339330588	0.269703158	0.228355786
## 877486	-0.791395036	0.728214494	0.283501485	0.484522570
## 877500	0.167782800	0.307861518	0.366291448	0.280413825
## 877501	-0.035571433	-0.444418832	-0.588678229	-0.202282742
## 877989	-0.474987225	0.292713663	0.185658802	0.669045123
## 878796	1.261345078	1.970338605	3.305335129	2.914241328
## 87880	2.555417474	1.371998332	0.840452144	1.104064774
## 87930	0.233908478	0.027626200	-0.109750838	-0.275988678
## 879523	-0.540401874	-0.160207202	-0.166825737	-0.209498708
## 879804	0.891610108	-0.606311532	-0.893621259	-0.757654393
## 879830	-0.614348868	-0.592678463	-0.242089339	0.128363117
## 8810158	0.273015061	0.832355998	-0.021943302	0.054141755
## 8810436	-1.033855853	-0.796038416	-0.374804158	-0.447110152
## 881046502	-0.388241713	0.576735944	0.943312401	1.203284303
## 8810528	-0.543957017	-0.669175131	-0.779095144	-0.901715995
## 8810703	1.268455366	0.894840900	2.901420462	2.849813062
## 881094802	0.301456213	0.194252605	0.995996923	0.439422784
## 8810955	-0.123027974	0.497209705	0.284755879	0.404631521
## 8810987	0.443661971	0.896734381	0.128082146	0.182998287
## 8811523	-0.194130853	0.209400460	-0.281477291	-0.450975848
## 8811779	-1.124867538	-0.857197881	-0.389606000	-0.984699602
## 8811842	-0.179910277	0.497209705	0.481695639	0.979073938
## 88119002	-0.864631001	0.163956895	0.322387680	0.449731307
## 8812816	0.007090294	-0.326265563	-0.626184591	-0.600191712
## 8812818	0.621419168	0.281352772	-0.127939542	-0.113629449
## 8812844	0.692522047	-0.365839334	-0.892115987	-0.767189776
## 8812877	0.436551683	0.304074554	0.324896467	0.404631521
## 8813129	-0.846855282	-1.030072776	-0.668081330	-0.627767009
## 88143502	0.191957779	-0.532087043	-0.395877967	-0.074457063
## 88147101	0.635639744	-0.513530920	-1.030563384	-0.947331207
## 88147102	-0.899471412	0.099578511	-0.297909845	-0.286554914
## 88147202	-1.232232885	-0.550075120	-0.431753618	-0.736006496
## 881861	0.884499820	1.430696271	1.012304037	0.507459033
## 881972	1.261345078	1.000875885	1.281998613	1.548362094
## 88199202	-1.957482250	-1.253692986	-0.909050297	-1.180174960
## 88203002	-1.319689426	-1.298947203	-1.051587017	-1.094897707
## 88206102	-0.339180726	0.057921910	0.835434571	0.888616653
## 882488	-0.833345735	-1.201811582	-0.906666950	-0.831102616
## 88249602	-0.402462288	-0.660654462	-0.930500424	-0.772086325
## 88299702	-0.090320650	1.209158891	1.332174348	1.927200297
## 883263	-0.910847873	-0.394998955	0.020329755	0.291237773
## 883270	-1.004703673	-0.008349956	0.269703158	-0.124711110
## 88330202	0.125121073	0.482061850	0.663582678	1.009999506
## 88350402	-0.151469126	-0.720299141	-0.523700652	-0.299182854
## 883539	-1.215879223	-1.333219225	-0.981805113	-0.975164218
## 883852	-0.031305261	0.533185861	0.827908211	-0.525197210
## 88411702	-1.132688855	-0.686784512	-0.524704167	-0.656630872

## 884180	0.450772259	0.974367138	1.456359292	1.029327985
## 884437	0.756514638	-0.845079597	-0.507895296	-0.469531189
## 884448	-1.721420692	-1.119066424	-0.569987768	-0.975937357
## 884626	-0.622881213	0.572948981	0.609643763	-0.235012301
## 88466802	0.014911611	-0.605932836	-0.815472552	-0.844503695
## 884689	0.351228228	-0.497246976	-0.570991283	-0.505868731
## 884948	0.308566501	1.065254268	2.288022101	2.115330833
## 88518501	-0.206929371	-0.841292633	-0.782983763	-0.727501965
## 885429	0.699632335	1.525370364	1.917976055	1.249414941
## 8860702	0.315676789	-0.004562992	0.474169279	0.891966923
## 886226	0.507654562	0.273778844	0.615915730	0.953302632
## 886452	0.941382123	0.446085695	0.114032940	0.091252436
## 88649001	-0.267366818	1.930575486	1.123945047	1.687527148
## 886776	2.640740929	2.349034981	1.956862249	1.940085950
## 887181	1.033815866	3.920624938	2.870060627	2.287998585
## 88725602	0.706742623	1.127739170	1.082550066	0.903821724
## 887549	0.258794485	0.084430656	0.791530803	1.144525725
## 888264	-0.692562034	-0.784677525	-0.751247611	-0.529578332
## 888570	-0.452945332	0.434724804	0.102492521	0.673941672
## 889403	-1.277027699	-0.912298203	-0.585918564	-0.527001202
## 889719	0.063972597	-0.272490677	0.022713102	0.421382870
## 88995002	-0.118761802	0.188572160	0.600863010	0.967476850
## 8910251	0.036953503	0.196146087	-0.312711686	-0.579832380
## 8910499	-1.194548360	-0.411850943	-0.603103753	-0.708688911
## 8910506	-0.150047068	-0.798121246	-0.624679319	-0.844503695
## 8910720	0.841838093	0.465020514	-0.054181212	-0.521846940
## 8910721	-2.280289321	-1.469171223	-1.022949216	-1.099639628
## 8910748	0.140763706	-0.535116614	-0.704333298	-0.550710803
## 8910988	-0.167111759	1.737440335	1.639500725	1.543207833
## 8910996	-0.425926238	-1.087823973	-0.975533146	-0.898108012
## 8911163	-0.555333478	-0.645127911	-0.399013951	-0.038119521
## 8911164	1.858609261	-0.610477192	-0.370162903	0.647397226
## 8911230	-0.182754393	-1.242521443	-1.095239906	-1.174814528
## 8911670	-0.506983520	-0.861552889	-0.107869248	0.245107135
## 8911800	-1.200236590	-1.208438769	-0.863390379	-0.941661520
## 8911834	-0.085343448	-0.519968759	-0.552049943	-0.304337115
## 8912049	0.401000243	0.775551541	1.295796940	1.229828748
## 8912055	-1.296225476	-1.153906491	-0.832281423	-0.548649099
## 89122	0.521875137	0.754723241	0.925750894	1.178286136
## 8912280	0.728073486	1.436376716	1.329665561	1.072108354
## 8912284	-1.292670332	-0.161721988	0.284755879	-0.387063009
## 8912521	-0.883828779	-1.177385666	-1.090561019	-1.185354992
## 8912909	-0.733090675	-0.061367448	-0.289254530	-0.283720070
## 8913	-1.906288177	-1.269598234	-0.830399833	-0.958928295
## 8913049	-1.149042517	0.260524471	0.049431681	0.179390304
## 89143601	-0.656299566	-1.027421902	-0.812963765	-0.700699806
## 89143602	-0.625014299	1.197798000	0.594591043	0.440711350
## 8915	-0.457922534	-0.115710378	-0.368783070	-0.018791042
## 891670	0.294345925	-0.471684971	-0.341813613	-0.392217270
## 891703	-0.898760383	-0.907375151	-0.776711796	-0.673124508
## 891716	0.022021899	-0.386478286	-0.952326869	-0.764870359
## 891923	-0.311450603	-0.797742550	-0.980550720	-0.766674350
## 891936	-0.794950180	-1.081764831	-0.958849714	-0.907901109
## 892189	0.236041564	-0.855872444	-0.777088114	-0.354848876

## 892214	-2.175768089	-0.987280086	-0.803430375	-0.906612543
## 892399	0.365448804	-0.688677994	-0.800921588	-0.777498299
## 892438	1.325337669	1.133419616	1.642009512	1.476202437
## 892604	-0.842589109	-0.055687002	-0.257142060	-0.462057510
## 89263202	0.827617517	1.504542064	1.749887342	2.038016914
## 892657	0.742294062	-0.711210428	-0.825758577	-0.801981040
## 89296	-0.556755536	-0.518832670	-0.694423591	-0.873625271
## 893061	-1.537264236	-0.898665134	-0.866275483	-0.922333040
## 89344	-0.799927382	-0.981410292	-1.095566049	-1.176670062
## 89346	-1.870736738	-1.385668673	-1.067718516	-1.171232316
## 893526	-1.606945057	-1.291373275	-1.079296566	-1.146826889
## 893548	-0.912980959	-1.268462144	-1.056704942	-1.033175429
## 893783	-0.584485658	-0.981031596	-0.915322264	-0.964855696
## 89382601	-1.434876090	-1.310118746	-0.932382014	-0.776982873
## 89382602	-0.598706234	-0.470738230	-0.605612540	-0.604057408
## 893988	-0.738778906	-0.845458293	-0.942417161	-1.031165267
## 894047	0.784955789	-0.868558772	-1.113892736	-1.260710292
## 894089	-0.799927382	-1.249716674	-1.057783720	-1.095181192
## 894090	-1.352396751	-1.367491247	-0.973024360	-1.130539424
## 894326	0.078193173	0.139341631	0.303571779	0.788108559
## 894329	0.236041564	1.758268635	1.363534182	0.004145421
## 894335	-1.478248846	-1.321668985	-0.945553145	-0.822855798
## 894604	0.692522047	0.127980740	-0.270187751	-0.238877997
## 894618	-1.149042517	-0.354099746	0.334931614	0.730380832
## 894855	1.211573063	-0.302975736	-0.637223253	-0.384485878
## 895100	1.467543427	1.574600893	2.103626274	2.615294175
## 89511501	-0.684740718	-0.736393737	-0.863766697	-0.824659789
## 89511502	0.457882546	-0.524513115	-0.713364931	-0.717708868
## 89524	-0.232526408	-0.970996142	-0.892492305	-0.556380491
## 895299	-1.388659219	-1.238734479	-1.094499814	-1.116597147
## 8953902	1.460433139	0.521824970	0.740100674	0.926758186
## 895633	1.431991988	0.453659622	1.142760948	0.796097664
## 896839	-0.103119168	0.620286027	0.396396889	0.553847384
## 896864	-0.040548635	0.154489486	-0.222395363	-0.500456756
## 897132	0.642750032	-0.692086261	-1.051097803	-1.065286476
## 897137	-0.945688283	-1.131563405	-1.101678707	-1.184916880
## 897374	-0.940711082	-1.180036541	-1.016601986	-1.040752193
## 89742801	1.104918745	0.023839236	0.777732476	1.299411275
## 897604	-0.123739003	-0.088822935	-0.645000492	-0.720028286
## 897630	-0.369754964	0.678983966	0.215764243	0.308762261
## 897880	0.308566501	-0.588512803	-0.798914559	-0.803269605
## 89812	0.749404350	0.453659622	1.781247177	2.373043896
## 89813	0.081748317	0.180998232	-0.109499959	-0.172388027
## 898143	-0.821258245	-0.228372550	-0.057442634	-0.670031952
## 89827	0.493433986	-0.253177162	-0.436896631	-0.399690949
## 898431	0.114455641	0.559694607	1.223042124	1.581864792
## 89864002	1.325337669	-0.597033471	-0.611382749	-0.423142837
## 898677	0.174893088	-0.241437575	-0.664694468	-0.735748783
## 898678	-0.888805980	-0.878594226	-1.019687793	-1.041963444
## 89869	-0.541112902	-0.502548725	-0.535868268	-0.351498606
## 898690	-0.398196116	-0.861174193	-0.789381169	-0.662300560
## 899147	1.382219972	0.307861518	-0.967003271	-0.800177048
## 899187	-1.475404731	-1.288343704	-1.009702822	-0.961247713
## 899667	1.986594443	2.500513531	2.541409563	1.940085950

## 899987	1.318227381	2.498620049	3.110904155	3.669340602
## 9010018	0.429441395	-0.125935180	0.435283084	0.428083410
## 901011	-1.679469994	-0.827470215	-0.548788520	-0.881614376
## 9010258	-0.622881213	-0.010243437	0.178132442	-0.129092232
## 9010259	0.841838093	0.493422742	0.090701223	0.183256000
## 901028	-0.634968702	-0.935777379	-0.925482851	-0.722605416
## 9010333	-0.954931658	-0.518075277	-0.521693623	-0.647095489
## 901034301	0.322787076	-0.847919820	-0.773952131	-0.898365725
## 901034302	-1.564283330	-1.473904928	-1.098915279	-1.120282444
## 901041	-0.749444338	-0.768961625	-0.694423591	-0.636013827
## 9010598	0.028421158	-0.469980837	-0.776711796	-0.801723327
## 9010872	0.035531446	-0.372277172	-0.378567339	-0.014667633
## 9010877	-1.208057907	-0.897150348	-0.840309540	-0.881098950
## 901088	-0.345579985	0.165850377	0.115287334	0.745585903
## 9011494	0.191246750	1.184543627	0.944566795	1.999359954
## 9011495	-0.287986653	-0.617104379	-0.562963165	-0.738325913
## 9011971	-0.179199249	-0.354478443	0.351238728	0.920830786
## 9012000	0.706742623	1.724185962	1.956862249	2.607562783
## 9012315	0.075349058	0.858864744	1.157813669	1.000206409
## 9012568	-1.189571158	-0.662737292	-0.688277063	-0.575966684
## 9012795	0.265904773	0.892947418	1.309595267	1.973588648
## 901288	-0.135115464	0.061708874	0.801565950	1.043502204
## 9013005	-0.948532398	-0.768772277	-0.793269789	-0.737295061
## 901303	0.173471031	0.747149313	-0.279595701	0.130167109
## 901315	-0.400329202	1.167502290	1.746124162	0.270363015
## 9013579	-1.506689998	-1.080818091	-0.954459338	-0.972844801
## 9013594	-0.972707377	-0.546477505	-0.580900990	-0.623901313
## 9013838	1.794616670	2.102882337	1.004777677	0.380148780
## 901549	1.943932716	0.127980740	-0.122921969	0.169597207
## 901836	-1.172506467	-0.635281805	-0.669084845	-0.726213399
## 90250	-1.920508753	0.056028428	-0.117528077	-0.493240790
## 90251	0.557426577	0.480168369	-0.374804158	-0.518496671
## 902727	-0.905159642	-0.352016916	-0.477037219	-0.522620080
## 90291	-0.678341459	-0.719163052	-0.061456693	0.097695263
## 902975	-1.086471984	-0.494406753	-0.256013106	-0.607665390
## 902976	-1.855805133	-1.060936531	-0.857369290	-1.041473789
## 903011	-0.903737585	0.133661185	0.149281394	-0.550195377
## 90312	0.329897364	0.519931488	1.214261371	1.370540081
## 90317302	0.255950370	-0.547613594	-0.872672890	-0.753530984
## 903483	0.536095713	-0.569199287	-1.113892736	-1.260710292
## 903507	1.396440548	0.981941066	1.258165139	1.087828851
## 903516	1.446212563	1.976019051	2.410952652	2.764767751
## 903554	0.464992834	-0.128018010	-0.513916384	-0.403556645
## 903811	-1.131266797	-0.960581991	-0.777589872	-0.422885124
## 90401601	0.678301471	0.196146087	-0.037623219	0.126043700
## 90401602	-1.131977826	-0.291425496	-0.186896031	-0.208467856
## 904302	-1.347419549	-1.072865467	-0.773701252	-1.073971407
## 904357	-0.390374799	-0.795659720	-0.756014306	-0.838576295
## 90439701	1.894160700	2.901931689	2.886367741	1.826692202
## 904647	-0.543245989	-0.983114426	-0.786997822	-0.797857631
## 904689	-1.624720777	-0.480016291	-0.604985343	-0.775436594
## 9047	0.172760002	-0.302597039	-0.700444679	-0.644776071
## 904969	-0.678341459	-1.110167060	-0.849341173	-0.731367661
## 904971	0.287235637	-0.563140145	-0.493720651	-0.505095591

## 905189	-0.100275053	-0.366028682	-0.423976379	-0.093785543
## 905190	-1.482515019	-0.401058097	-0.345451353	-0.779560003
## 90524101	0.514764850	0.493422742	0.392633709	1.013349776
## 905501	-0.676208372	-0.739991353	-0.711107023	-0.576997536
## 905502	-0.553200392	-0.969670704	-0.764795059	-0.719512860
## 905520	0.806286653	-0.498004369	-0.731804513	-0.621581896
## 905539	-1.185304985	-0.829553045	-0.645376810	-1.128555033
## 905557	-0.797083266	-0.034858702	-0.253504319	-0.261814460
## 905680	-0.935733880	-1.103729221	-0.526084000	-0.554834212
## 905686	0.097390950	-0.438170342	-0.793395228	-0.699153528
## 905978	0.571647153	-0.809482138	-0.857118412	-0.936764972
## 90602302	1.112029032	0.998982403	0.795293983	0.924954195
## 906024	-0.605105493	-0.878594226	-0.817855899	-0.641683515
## 906290	0.386779668	-0.843754160	-1.001561809	-0.983411036
## 906539	-0.775041374	-0.513530920	-0.425857969	-0.892696038
## 906564	0.479213410	1.500755100	0.704977660	0.362882005
## 906616	0.884499820	0.235909207	-0.223649757	-0.101774648
## 906878	-0.411705663	0.196146087	0.097474948	-0.020595033
## 907145	0.792066077	-0.397839178	-1.001825232	-0.753788697
## 907367	-1.080072724	-1.234947515	-1.082909219	-1.127756123
## 907409	0.127965188	-0.057580484	-0.319234532	-0.689102718
## 90745	-0.593729033	-0.888250984	-0.660554970	-0.898881152
## 90769601	-1.055897746	-1.249716674	-0.942166283	-0.907643396
## 90769602	-1.237210087	-1.119445121	-0.938026784	-0.787806821
## 907914	0.221109960	2.237319550	2.314364362	1.241941262
## 907915	0.642750032	0.516144524	-0.142866823	-0.539371429
## 908194	1.204462775	0.843716889	1.561728336	1.983897171
## 908445	0.386779668	0.654368701	0.885610306	0.992732731
## 908469	-0.506272492	-0.636228546	-0.694172712	-0.519269810
## 908489	0.685411759	0.169637341	0.298554206	0.404889234
## 908916	-0.355534388	-0.483045862	-0.888478246	-0.722089990
## 909220	-0.837611907	-0.859470059	-0.670590117	-0.502003035
## 909231	-0.676919401	-0.777103597	-0.945553145	-0.669774239
## 909410	-1.187438072	-0.918925390	-0.852100838	-0.577255249
## 909411	-0.512671751	0.131767703	0.072387080	-0.329592995
## 909445	-0.927912564	0.124193776	0.396396889	0.217531837
## 90944601	-0.582352572	-0.703636501	-0.981554235	-1.004620821
## 909777	-1.062297005	-1.130806012	-0.863892136	-0.974391079
## 9110127	-0.489918829	0.357092047	0.253396044	0.351027204
## 9110720	0.472103122	-0.230266032	-0.431377300	-0.159244661
## 9110732	0.256661399	0.512357560	1.016067217	0.876504139
## 9110944	-0.324960150	-0.292372237	-0.603480071	-0.678278770
## 911150	-0.887383923	-0.498761762	-0.007894096	-0.506899583
## 911157302	0.034109388	0.249163580	0.858013652	1.715875585
## 9111596	-2.149460023	0.038987091	-0.012911669	-0.645806924
## 9111805	0.486323698	-0.106621665	0.962128302	1.074943198
## 9111843	-0.852543512	-0.754381815	-0.605236222	-0.759458384
## 911201	0.962712987	-0.225721675	-0.248988503	0.413136052
## 911202	-0.748733309	-0.947516966	-0.741839660	-0.675186213
## 9112085	-0.278032250	-0.569577984	-0.760279243	-0.419534854
## 9112366	-0.198397026	-0.352206264	-0.215747078	-0.740903044
## 9112367	-0.600839321	-0.990120309	-0.766174892	-0.727759678
## 9112594	-0.900893470	-1.015114269	-0.962612895	-0.806619875
## 9112712	-1.174639553	-1.099752909	-0.920590716	-0.991915567

## 911296201	0.186269549	0.126087258	0.149281394	0.396642416
## 911296202	0.856058668	1.788564345	3.445827187	3.092063341
## 9113156	-1.877847026	-0.986712041	-0.677865598	-0.813062702
## 911320501	-0.802060468	-0.867043987	-0.691538486	-0.802754179
## 911320502	-1.542952466	-0.840724589	-0.504382994	-0.521073801
## 9113239	-0.961330917	0.340050710	0.153044574	-0.530609185
## 9113455	-0.683318660	0.086324138	0.247124077	-0.356137441
## 9113514	-0.942133139	-0.947895663	-0.928367955	-1.112035626
## 9113538	-0.246746984	1.818860055	1.565491516	1.321574599
## 911366	1.503094866	0.832355998	0.165588508	0.173205190
## 9113778	-0.490629858	-0.790736667	-0.744097568	-0.870532715
## 9113816	-0.628569443	-0.839588499	-0.816977824	-0.648126341
## 911384	-1.093582271	-0.356939969	-0.419084245	-0.430616516
## 9113846	-1.377282758	-1.332272484	-1.113892736	-1.260710292
## 911391	0.308566501	0.048454501	-0.472270524	-0.855843070
## 911408	-0.423793152	-0.409957462	-0.381954201	-0.467469484
## 911654	-0.501295290	0.122300294	-0.478793369	-0.472623745
## 911673	-1.996588834	-0.968534615	-0.834915649	-0.915632501
## 911685	0.585867728	-0.417720737	-0.448060732	-0.753273271
## 911916	0.443661971	1.608683567	1.690930854	1.108703609
## 912193	-0.390374799	-0.491566530	-0.748111627	-0.867182445
## 91227	-1.169662352	-0.967209178	-0.738201920	-0.727244252
## 912519	0.763624926	0.211293942	-0.388100728	0.096406698
## 912558	0.223243046	-0.469034096	-0.543394628	-0.446337013
## 912600	0.564536865	0.483955332	0.380089775	0.339945542
## 913063	-0.086765506	0.885373490	0.822890637	-0.011832789
## 913102	-0.707493639	-0.707423464	-0.462611695	-0.541433133
## 913505	0.891610108	0.766084132	1.716018721	1.816383680
## 913512	1.168911336	-0.221745363	-0.577137810	-0.453552979
## 913535	-1.520910574	-0.629033315	-0.656164593	-0.666166256
## 91376701	-1.026745565	-0.991067050	-0.898889711	-0.935734120
## 91376702	-1.278449757	-0.798499943	-0.556314880	-0.183985115
## 914062	0.265904773	0.465020514	0.353747514	0.739658503
## 914101	-1.609789172	-1.210142903	-1.023915099	-0.964597983
## 914102	-1.636097238	-0.976865935	-0.888101928	-0.937022685
## 914333	-0.034860404	-0.395566999	-0.257894696	0.015227083
## 914366	0.799176365	0.550227198	-0.108245566	0.046925790
## 914580	-0.503428376	-0.530950954	-0.661182166	-0.650188046
## 914769	0.344117940	0.518038006	0.756407788	1.105868765
## 91485	0.863168956	1.137206580	1.630719971	1.628253144
## 914862	0.175604117	0.607031654	-0.145375610	0.322163341
## 91504	1.410661124	1.207265409	0.588319076	0.481172301
## 91505	1.382219972	0.078750211	-0.370288342	-0.415669158
## 915143	-0.209062458	0.438511767	0.988470563	1.324151730
## 915186	4.766717009	2.263828296	0.106632019	0.092798715
## 915276	2.071917898	2.197556431	0.376326595	0.553074245
## 91544001	0.941382123	0.205613496	-0.088426151	-0.702503798
## 91544002	1.638190336	0.052241464	-0.604232707	-0.160790939
## 915452	-0.148625011	-0.704772590	-0.420714956	-0.084765586
## 915460	1.559977170	1.565133484	1.432525818	0.935005004
## 91550	-1.092871243	-0.146384784	-0.270187751	-0.580605519
## 915664	-0.827657504	-1.025907116	-0.685391958	-0.605861399
## 915691	1.012485002	0.805847251	0.698705693	0.845320859
## 915940	0.139341649	-0.287070488	-0.082530502	-0.139916181

## 91594602	-0.299363114	-0.347851256	-0.174853854	-0.143524164
## 916221	0.607198592	-0.366407378	-0.574252705	-0.592202607
## 916799	0.742294062	0.387387757	0.854250472	1.174935866
## 916838	0.521875137	0.504783633	0.656056318	1.169781605
## 917062	1.808837246	1.169395772	-0.508647932	0.105942081
## 917080	1.147580472	0.139341631	-0.627188106	-0.488859668
## 917092	2.896711293	0.343837673	-0.695928863	-0.636786967
## 91762702	0.472103122	2.011995207	1.783755963	2.530248864
## 91789	-0.799927382	-1.140084073	-1.050332623	-1.114741613
## 917896	0.199068067	0.050347983	-0.438401903	-0.285781775
## 917897	-0.102408139	-0.381555233	-0.821619079	-0.638075532
## 91805	0.514764850	-0.530572257	-0.792140835	-0.871563567
## 91813701	0.792066077	0.179104750	-0.586922078	-0.448398717
## 91813702	-0.450101217	-0.781458606	-0.742843175	-0.578543814
## 918192	2.022145883	-0.128586055	0.153044574	0.444061620
## 918465	0.969823275	-0.269839803	-0.639606600	-0.539629142
## 91858	0.777845502	-0.136538679	-0.451322154	-0.116464292
## 91903901	0.372559092	-0.185769207	-0.587047518	-0.704823215
## 91903902	-0.255279329	-0.601956524	-0.894123016	-0.776209734
## 91930402	-0.341313813	0.510464079	0.796548376	1.355077297
## 919537	0.036242474	-0.129154099	-0.453705502	-0.542206272
## 919555	0.585867728	1.317087358	1.501517454	2.146256400
## 91979701	0.528985425	0.209400460	0.721284774	0.321390202
## 919812	1.936822428	0.963006247	-0.547534126	-0.093012404
## 921092	-1.093582271	-1.052037166	-1.113892736	-1.260710292
## 921362	-0.688295862	0.294607145	0.046672016	-0.909189674
## 921385	0.247418025	0.145022076	-0.268807918	-0.592202607
## 921386	-0.568131996	0.353305083	0.151790181	-0.258206477
## 921644	-0.967730176	-0.609719800	-0.598964255	-0.480612850
## 922296	-0.686162775	-0.673530139	-0.739205434	-0.416700011
## 922297	-0.041259664	-0.048113075	-0.651272459	-0.650188046
## 922576	-0.277321222	-0.698145403	-0.740836146	-0.631117279
## 922577	-0.143647809	-1.030072776	-0.986948126	-1.119096964
## 922840	-0.539690845	-0.448395144	-0.567228102	-0.632405844
## 923169	-0.814147957	-1.023256241	-0.820741004	-1.012919182
## 923465	-1.026745565	-0.725600890	-0.919712641	-1.050416433
## 923748	-1.567838474	-1.175302836	-1.113892736	-1.260710292
## 923780	-0.049792009	-0.424158576	-0.508773371	-0.679051909
## 924084	-0.967019147	-1.173977399	-0.863390379	-0.874398411
## 924342	-0.281587394	-0.914381034	-0.612637143	-0.930322145
## 924632	-1.075806552	-0.872913780	-0.336796039	-0.656888585
## 924934	-0.430903440	-0.525649204	-0.361382149	-0.555091926
## 924964	0.280125349	-0.554808825	-1.050859469	-0.973102514
## 925236	-1.075806552	-1.034427785	-1.113892736	-1.260710292
## 925277	-0.826946476	0.542653271	0.176878048	-0.297894289
## 925291	-0.266655790	-0.042432629	0.280992699	-0.202798168
## 925292	0.208311441	0.156382968	-0.554182411	-0.151513269
## 925311	-1.555039956	-1.301976774	-1.113892736	-1.260710292
## 925622	0.600088304	1.976019051	2.084810374	1.169266179
## 926125	0.962712987	2.258147851	2.867551840	2.537980256
## 926424	1.040926154	0.218867870	1.945572709	2.318924153
## 926682	0.102368152	-0.017817365	0.692433726	1.262558307
## 926954	-0.839744994	-0.038645666	0.046546577	0.105684368
## 927241	1.524425730	3.269267173	3.294045588	2.656528265

## 92751	-3.109348889	-1.149740831	-1.113892736	-1.260710292
##	symmetry_mean	fractal_dimension_mean	radius_se	texture_se
## 842302	2.215565542	2.253763811	2.4875451492	-0.5647681227
## 842517	0.001391139	-0.867888807	0.4988156954	-0.8754732789
## 84300903	0.938858720	-0.397658013	1.2275957908	-0.7793975888
## 84348301	2.864862154	4.906601993	0.3260865190	-0.1103119811
## 84358402	-0.009552062	-0.561955519	1.2694258211	-0.7895489825
## 843786	1.004517928	1.888343495	-0.2548460559	-0.5921406306
## 844359	-0.064268069	-0.761661971	0.1497513054	-0.8042322483
## 84458202	1.402120910	1.658893530	0.6430571790	0.2903055190
## 844981	1.963871911	1.571079345	-0.3565363017	-0.3894753070
## 84501001	0.796597103	2.780648917	-0.3879088244	0.6927357680
## 845636	-1.034565253	-0.825398072	-0.0925743869	-0.0541167662
## 84610002	0.110823153	-0.280100315	0.3628680972	-0.4204733127
## 846226	2.135315399	2.153202406	1.9845029755	4.2620382918
## 846381	0.129061821	-1.333870527	-0.0067507042	-0.2517063929
## 84667401	0.938858720	1.986072184	-0.6962249954	-0.0867462458
## 84799002	1.792428424	1.129175708	-0.1268317392	-0.3332800920
## 848406	-0.822996694	-0.506717565	0.2435082696	0.0419589239
## 84862001	1.285393429	1.524339538	0.5914908486	-0.2607701373
## 849014	-0.837587629	-1.253138132	1.2730318581	-0.3622840739
## 8510426	0.267675705	-0.727669383	-0.4877960517	-0.7763159157
## 8510653	0.566789875	0.752424530	-0.7932273930	-0.8504573445
## 8510824	0.012334341	0.885562164	-0.4611113773	-0.4351565785
## 8511133	2.587634387	1.065439607	0.1212636124	-0.9195230764
## 851509	-0.155461413	-1.418851996	1.0332303918	-0.1628816983
## 852552	0.668926420	0.071156423	1.4482852606	-0.5712940186
## 852631	4.480808217	1.605071933	2.3108493319	-0.4366067776
## 852763	1.606394001	0.912472963	-0.5433290229	-0.4235549857
## 852781	-0.418098245	-0.822565357	1.6145235703	1.1459229854
## 852973	0.417232790	0.368591563	0.1219848198	-0.3713478183
## 853201	-0.264893426	-0.185204341	0.7036386020	-0.7148637290
## 853401	1.354700370	-0.117219166	1.5344695470	0.4516401684
## 853612	1.785132956	2.151786048	0.2788474331	-0.3387183386
## 85382601	1.591803066	0.144807029	0.7058022243	0.3283732453
## 854002	0.150948224	-0.026572267	0.5431699516	-1.1069613095
## 854039	0.679869622	0.333182618	-0.2566490744	-0.9628477744
## 854253	0.307800777	-0.883468743	0.2031206543	-0.5386645389
## 854268	0.267675705	-0.219196929	-0.4297388546	-0.3586585762
## 854941	-1.257077014	-0.590282676	-0.7979152412	2.0396081779
## 855133	-0.899599104	-1.098755130	2.9166635627	1.7604448521
## 855138	-0.334200368	0.197212268	-0.6929795620	-1.1337899927
## 855167	-0.100745407	-0.981197432	-0.6010256163	-0.7076127336
## 855563	0.304153043	0.835989641	-0.6078770867	0.3827557114
## 855625	1.817962560	0.089569074	2.0768175250	0.8141899423
## 856106	0.592324011	0.711350154	-0.1253893244	-0.7105131318
## 85638502	-0.239359290	-0.145546323	-0.7622154741	-1.0959035414
## 857010	0.347925848	-0.326840123	0.8067712627	-1.0034533490
## 85713702	-0.155461413	0.316186324	-0.8974418649	-0.4715928308
## 85715	1.154075013	0.704268364	-0.4257722138	-0.5857960095
## 857155	-0.498348388	-0.335338270	-0.5105140854	-0.8836306488
## 857156	-0.009552062	-0.795654558	-0.6179739906	0.2467995462
## 857343	-1.154940468	-0.554873730	0.0037068033	-0.0124235422
## 857373	-1.672918664	-0.462810473	-0.7860153188	-0.5319573681

## 857374	0.205664231	-0.240442296	-0.6414132316	-1.0585609147
## 857392	1.022756597	0.042829266	1.5452876583	0.6818592748
## 857438	-0.713564681	-0.843810724	-0.3413909460	-0.6941983919
## 85759902	0.395346387	-0.527962932	-0.2894640119	-0.4672422335
## 857637	0.384403186	-0.451479610	1.1623265196	-0.0432402729
## 857793	0.785653901	0.677357566	0.0628458116	-0.1211884743
## 857810	0.026925276	-1.103004204	-0.0042264783	-0.0051725467
## 858477	-0.469166518	1.284975067	-0.8988842797	-1.1551804294
## 858970	3.397431286	0.963461844	0.3989284681	0.4063214467
## 858981	0.059754880	0.675941208	-0.1693829769	1.5411022389
## 858986	0.501130667	1.433692638	1.0761422332	0.0927158923
## 859196	1.931042307	0.967710917	0.0166885368	1.9000265150
## 85922302	0.340630380	0.439409454	0.0733033191	-0.0704315060
## 859283	0.515721602	0.530056354	-0.1711859954	0.1162816276
## 859464	-0.345143570	0.877064018	-0.6132861424	1.4395883022
## 859465	-1.078338059	-0.867888807	-0.4776991479	-0.4966087652
## 859471	1.092063539	2.501626428	-0.2804489192	-0.0414275241
## 859487	-0.808405759	-0.887717816	-0.6071558793	-0.6229573614
## 859575	-0.837587629	-1.159658516	1.3833765930	-0.7601824508
## 859711	0.329687179	3.824504624	0.4364312538	-0.6610250876
## 859717	0.420880524	0.293524599	0.6690206460	-0.3187781011
## 859983	-0.545768927	0.405416866	-0.4560629253	-1.0810390006
## 8610175	-0.334200368	-0.518048427	-0.5577531712	-0.3477820830
## 8610404	-0.049677134	-1.258803563	1.2340866576	-0.3640968228
## 8610629	2.157201801	0.511643702	0.0177703480	-0.3677223206
## 8610637	1.241620623	0.556967152	2.0750145064	-1.2079314215
## 8610862	3.992011891	2.637596778	1.8986792928	1.2111819447
## 8610908	-0.341495836	-0.400490729	-0.5036626149	-0.2208896621
## 861103	0.110823153	1.027197946	-0.2887428045	1.7350663679
## 8611161	0.475596530	0.881313091	-0.4297388546	-0.3640968228
## 8611555	0.063402613	0.711350154	1.7746316170	0.4661421593
## 8611792	-0.647905473	1.337380306	0.4104677868	3.0692495357
## 8612080	0.975336058	-0.441565105	-0.6421344391	0.0691501570
## 8612399	1.168665948	-0.365081784	1.0620786885	0.4679549082
## 86135501	0.960745123	-0.911795899	0.0549125300	1.8184528159
## 86135502	0.515721602	-0.921710404	0.5204519180	-1.0029095244
## 861597	0.431823725	0.175966901	-0.3871876170	0.5168991277
## 861598	1.110302207	0.093818148	0.3834225086	-0.8694912076
## 861648	-0.461871050	-0.586033602	-0.1192590614	-0.1918856802
## 861799	-0.345143570	-0.258854948	-0.3327364569	-0.6807840503
## 861853	-1.552543450	-1.362197683	0.0019037848	-0.1157502277
## 862009	-0.633314538	-0.806985421	-0.3972845208	0.2830545235
## 862028	0.158243692	0.006003963	0.2582930217	-0.4576346645
## 86208	1.033699798	-0.893383247	1.2708682359	0.5295883698
## 86211	0.322391712	0.503145555	-0.1408952839	0.5332138675
## 862261	-1.683861866	0.864316797	-0.2530430373	1.4975962660
## 862485	-0.698973746	0.428078591	-0.6262678759	-1.2285967586
## 862548	0.245789302	0.156137891	-0.4171177248	1.1495484831
## 862717	-0.739098817	-0.578951813	0.1850904688	0.1325963674
## 862722	0.431823725	2.178696847	-0.6529525503	0.5277756209
## 862965	-0.264893426	-0.853725229	-0.7672639260	0.6419787997
## 862980	0.486539732	0.059825560	-0.8108969748	0.0093294443
## 862989	1.478723319	0.285026452	-0.1809222956	0.5749070915
## 863030	0.413585056	2.000235762	-0.0518261678	-0.5312322686

## 863031	-0.038733932	0.340264407	-0.3576181128	0.7978752024
## 863270	-0.764632954	-0.302762040	-1.0287016148	-0.5845270853
## 86355	2.715305069	1.075354111	2.9202695997	0.5948473291
## 864018	-1.184122338	0.353011627	-0.6158103683	-0.4182980140
## 864033	-0.830292162	1.112179414	-0.0078325154	0.3755047159
## 86408	-0.279484362	1.119261203	-0.2263583629	1.0625365374
## 86409	-0.392564109	2.109295314	-0.1527952063	0.4951461413
## 864292	0.402641855	2.127707965	-0.2580914892	1.1658632229
## 864496	-0.593189466	1.916670651	-0.8606602866	-1.1428537371
## 864685	-0.450927849	-0.121468240	-0.3367030977	-0.5332262923
## 864726	-1.848009886	1.250982480	-0.3316546458	-0.4313498059
## 864729	1.259859292	0.691521144	0.0772699599	-0.4857322720
## 864877	1.037347532	1.488930592	0.5294670107	-0.2625828861
## 865128	1.157722747	-1.777190522	0.5244185588	-0.0051725467
## 865137	-0.527530258	-0.236193223	-0.9533354397	-1.3707162700
## 86517	0.563142141	-0.094557441	1.1093177744	0.6601062884
## 865423	3.076430713	0.845904146	3.9804445035	3.4499267983
## 865432	0.161891425	0.173134185	-0.4048571987	-0.6523238930
## 865468	-1.421225034	-0.646936988	-0.8700359830	-0.1393159630
## 86561	-0.720860149	-0.552041015	-0.6731463580	-0.6539553670
## 866083	-0.184643283	-0.212115140	-0.6280708944	-0.3840370604
## 866203	0.490187465	-1.750279724	1.0256577139	0.2268593086
## 866458	0.690812823	0.265197443	0.0927759194	-0.2698338816
## 866674	1.424007312	-0.236193223	0.3250047078	-0.0323637797
## 866714	0.249437036	0.270862874	-0.7380550256	-0.7261027720
## 8670	0.435471459	-0.685178649	0.2492779290	-0.7812103377
## 86730502	1.270802494	-0.550624657	0.1010698047	0.0872776457
## 867387	0.015982074	-0.788572769	-0.3370637014	-0.7275529711
## 867739	-0.436336914	-0.782907338	0.6877720388	-0.0269255331
## 868202	-0.826644428	-0.304178398	-0.6075164830	0.2957437656
## 868223	-1.723986937	-0.474141335	0.1576845870	2.3405244903
## 868682	-0.283132095	-0.587449960	-0.8267635379	-0.4043398477
## 868826	0.530312537	-0.090308368	3.2123586038	0.4262616842
## 868871	-0.148165946	-0.294263893	-0.2407825112	0.2286720575
## 868999	0.333334913	0.201461341	-0.7441852886	-1.3067262349
## 869104	0.180130094	-0.044984918	1.0808300814	0.2087318199
## 869218	-0.607780402	0.399751435	-0.4358691176	1.2528751686
## 869224	-0.122631809	-0.063397570	-0.6882917138	-0.8078577460
## 869254	-1.505122911	-0.838145293	-0.5505410970	0.0401461750
## 869476	0.668926420	2.208440361	-0.0323535675	-1.0206744633
## 869691	3.160328590	1.545584905	-0.3082154047	0.3791302136
## 86973701	-0.246654758	0.302022746	0.0606821893	1.2546879175
## 86973702	-0.319609433	-0.281516673	-0.5934529384	-0.8655031601
## 869931	-1.235190611	-0.991111936	-0.5595561898	-0.8328736804
## 871001501	2.656941329	-0.273018526	0.0541913226	0.1906043312
## 871001502	1.496961988	2.806143357	-0.7632972852	1.3507636076
## 8710441	2.686123199	4.272073693	1.5121121171	2.6233133139
## 87106	0.067050347	-0.247524085	-0.6493465132	-0.7891864327
## 8711002	0.037868477	-0.103055588	-0.4838294109	-0.7688836453
## 8711003	0.577733076	-0.073312074	-0.6677373024	-0.4251864597
## 8711202	0.581380810	-0.161126259	1.4645124275	0.3319987430
## 8711216	0.118118620	-1.433015574	0.2658656996	1.5284129968
## 871122	-0.808405759	-0.527962932	-0.8040455043	-0.8852621228
## 871149	-1.348270358	-0.760245613	-0.4448842104	-0.8256226850

## 8711561	0.661630953	0.245368433	0.3484439489	0.8631341617
## 8711803	-0.257597959	-1.563320492	2.1449716259	-1.0572919905
## 871201	0.785653901	-0.280100315	1.1944202496	-0.3060888590
## 8712064	-0.950667377	0.681606639	-0.3976451245	0.7960624536
## 8712289	-0.038733932	-1.029353597	0.9340643719	-0.6539553670
## 8712291	-1.081985793	-1.435848289	-0.7975546375	-0.2752721282
## 87127	-1.570782119	0.170301469	-0.8379422529	-1.4691485336
## 8712729	0.296857575	-1.056264396	0.6989507538	0.3156840032
## 8712766	-0.998087916	0.120728946	2.4623028896	0.3501262317
## 8712853	-0.115336342	-0.891966890	-0.4827475998	0.0002656999
## 87139402	0.537608004	-0.459977757	-0.6100407090	-0.9992840266
## 87163	-0.779223889	-0.862223376	0.2326901584	-0.1266267209
## 87164	0.563142141	1.117844846	0.0567155485	-1.0125170934
## 871641	-0.895951370	0.551301721	-0.7135339734	1.0661620351
## 871642	0.424528257	-0.431650601	-0.2678277894	1.2836918994
## 872113	-0.326904901	0.629201400	-0.6662948875	-0.7786724892
## 872608	-0.520234791	2.600771475	0.0934971268	1.8927755195
## 87281702	-0.064268069	0.061241918	-0.3659119981	0.1217198742
## 873357	-1.519713846	-1.481171739	-0.8368604418	-0.1356904653
## 873586	-1.260724748	-0.207866066	-0.4192813470	-0.4114095683
## 873592	-0.042381666	-0.722003952	1.5539421473	0.4788314014
## 873593	2.128019931	1.583826566	0.8100166961	-0.8229035617
## 873701	-0.706269213	-1.035019029	-0.1271923430	-0.1211884743
## 873843	-2.351397147	-0.088892010	-0.2552066596	-0.1973239268
## 873885	-0.308666232	0.052743771	-0.7203854439	-1.3074513344
## 874158	-0.396211842	-0.328256480	0.0696972820	0.0927158923
## 874217	-0.695326012	-1.210647397	-0.5317897042	-1.3435250369
## 874373	-1.078338059	-0.261687663	-0.5772257715	-0.8181904146
## 874662	-0.341495836	-0.707840374	-0.7907031671	1.2855046483
## 874839	-0.527530258	-1.141245865	-0.6021074274	-0.6912979937
## 874858	2.087894860	1.787782091	-0.4297388546	1.6190504403
## 875093	-0.429041446	0.010253037	1.1753082531	0.9628353496
## 875099	-0.578598531	0.236870287	-0.1848889364	6.6494285527
## 875263	0.479244264	0.930885614	0.0004613699	1.0734130306
## 87556202	-0.272188894	0.555550794	-0.4528174920	-0.4616227120
## 875878	0.063402613	-0.867888807	-0.7607730592	-0.5587860514
## 875938	0.081641282	0.845904146	0.7714320993	1.6226759380
## 877159	-0.151813679	-1.331037811	0.8330953335	0.1597876004
## 877486	-0.162756881	-1.063346185	0.1100848974	-0.2607701373
## 877500	0.504778400	0.263781085	-0.7066825029	-1.0259314350
## 877501	0.610562680	-0.377829004	-0.1866919549	0.1978553267
## 877989	-1.114815397	-1.117167782	-0.0291081342	-0.7045310605
## 878796	1.416711845	-0.071895716	0.5363184812	0.6220385621
## 87880	1.602746267	1.616402795	0.5756242854	1.2927556438
## 87930	0.413585056	0.132059808	-0.0327141713	-0.3133398545
## 879523	-0.793814824	-0.416070665	-0.4834688072	-1.5494533085
## 879804	0.446414660	0.007420321	-0.6904553360	0.2268593086
## 879830	0.782006168	-1.496751675	0.6513510643	-0.6552242912
## 8810158	0.140005023	1.459187078	-0.7647397000	-0.5339513919
## 8810436	-1.651032262	-1.067595258	-0.6915371472	-1.5481843843
## 881046502	-0.170052348	-1.778606880	1.6404870374	0.4770186526
## 8810528	-1.016326585	-0.315509260	-0.6598040208	-0.6374593523
## 8810703	-0.596837200	-1.069011616	8.8990790909	0.4697676571
## 881094802	-1.837066684	-0.586033602	0.4486917799	0.8160026911

## 8810955	1.544382527	0.217041277	0.0559943411	1.1386719899
## 8810987	1.073824870	0.901142100	-0.5368381561	-0.0414275241
## 8811523	0.566789875	0.048494698	-0.3925966726	0.6274768087
## 8811779	0.555846673	0.049911055	-0.1747920325	1.2782536528
## 8811842	1.030052064	-0.989695579	1.9837817681	-0.0559295150
## 88119002	-1.399338631	-1.369279472	1.2045171535	0.1887915823
## 8812816	-1.647384528	0.090985432	-0.7030764658	-1.4198417643
## 8812818	0.548551206	0.032914762	-0.5346745338	-1.3029194623
## 8812844	0.358869049	0.889811238	-0.5714561121	0.0002656999
## 8812877	0.450062394	0.032914762	-0.2086887811	-0.5364892403
## 8813129	-1.151292734	-0.857974302	-0.4055784061	-0.5912342561
## 88143502	0.960745123	-1.178071168	0.4212858981	-0.7337163173
## 88147101	-0.086154471	0.241119360	-0.7712305668	-0.5694812697
## 88147102	0.253084770	-0.527962932	-0.6251860647	-1.3056385856
## 88147202	-1.085633526	-0.369330857	-0.5779469789	-0.2734593794
## 881861	1.135836344	1.379871041	-0.3572575091	-0.2680211327
## 881972	1.165018214	0.064074633	-0.3940390874	-0.9749931918
## 88199202	0.209311965	-0.923126761	-1.0247349740	-0.5876087584
## 88203002	0.121766354	-0.639855199	-0.6536737577	0.7797477137
## 88206102	-1.326383956	-0.974115643	0.4284979722	-0.0504912684
## 882488	-0.950667377	0.174550543	-0.6850462804	-0.7010868376
## 88249602	-1.074690325	-0.629940694	-0.5274624597	0.5187118766
## 88299702	0.355221316	0.041412908	2.3541217770	-0.4592661385
## 883263	-1.257077014	-1.561904135	1.0177244323	-0.3187781011
## 883270	-1.713043736	-0.213531498	-0.2516006225	2.0069786983
## 88330202	-0.009552062	-0.444397821	0.4739340395	-0.6539553670
## 88350402	-0.345143570	-0.877803311	-0.2919882379	-1.0072601217
## 883539	-0.968906045	-0.744665677	-1.0452893854	-0.9831505617
## 883852	0.884142713	1.967659533	-0.5855196568	0.7706839694
## 88411702	-0.140870478	-1.204981966	0.1064788603	-0.2897741192
## 884180	0.606914946	-0.396241655	0.4295797834	1.0607237885
## 884437	-0.272188894	0.226955782	-0.1199802688	2.5290503727
## 884448	-1.184122338	-0.913212257	-0.8732814164	0.6963612658
## 884626	-0.786519357	0.183048690	-0.7308429514	-1.4078776218
## 88466802	0.311448510	0.069740065	-0.5606380009	0.5005843879
## 884689	0.260380237	-0.158293543	-0.5371987598	-0.3242163477
## 884948	1.434950514	-0.540710152	2.1593957743	-0.7179454021
## 88518501	0.081641282	-0.489721271	-0.0449746974	-0.6778836521
## 885429	-0.286779829	0.590959740	1.3015195511	-0.7919055560
## 8860702	0.005038873	-0.944372129	-0.3457181905	-0.6526864428
## 886226	-0.129927277	-0.896215963	0.6877720388	-1.0562043411
## 886452	0.351573582	-0.212115140	0.0715003006	-0.7378856397
## 88649001	0.296857575	-0.067646643	1.5773813883	-0.0323637797
## 886776	2.138963133	1.864265412	0.9160341865	-0.2861486214
## 887181	2.492793309	2.583775181	3.1979344555	2.2426360513
## 88725602	1.019108863	0.524390922	-0.5887650902	0.1108433810
## 887549	0.008686607	-1.002442799	-0.0269445119	-0.3332800920
## 888264	-0.903246837	-1.377777619	-0.0161264007	0.1815405869
## 888570	1.081120337	-1.155409443	1.5492542991	0.7543692296
## 889403	-0.965258312	-1.185152957	-0.6323981389	-0.3952761034
## 889719	0.202016497	-0.991111936	0.0545519263	-0.8674971838
## 88995002	-0.155461413	-0.857974302	2.7652100050	0.7253652477
## 8910251	0.402641855	0.299190030	0.1634542463	-0.0359892775
## 8910499	-0.644257739	-0.595948107	-0.2422249260	1.2673771596

## 8910506	0.723642427	-0.723420310	-0.6154497646	0.0038911977
## 8910720	-0.523882525	0.824658778	-0.3078548010	0.4933333924
## 8910721	-1.107519929	-1.280048930	-0.9915594328	-0.9010330379
## 8910748	-0.155461413	-0.013825046	-0.7744760002	-1.2463616975
## 8910988	-0.330552634	-0.121468240	2.7471798195	0.2449867973
## 8910996	0.982631525	0.045661982	-0.4932051073	0.3483134828
## 8911163	-0.998087916	-1.090256983	0.0577973596	0.3918194557
## 8911164	0.741881096	-0.573286382	0.8511255189	1.9507834834
## 8911230	0.519369336	-0.649769704	-0.6046316533	0.1144688787
## 8911670	-0.954315110	-1.818264899	-0.2772034858	-0.7048936103
## 8911800	-0.870417233	-1.076093405	-0.5307078931	-0.0921844924
## 8911834	1.088415805	-0.604446254	-0.5671288676	-0.5390270887
## 8912049	0.329687179	-0.084642937	0.8327347298	-0.3912880559
## 8912055	1.055586201	-0.236193223	0.5651667779	0.0927158923
## 89122	0.296857575	-0.549208299	0.2370174029	-0.4019832742
## 8912280	0.234846101	0.572547088	-0.4250510064	-0.5430151362
## 8912284	-1.384747696	-0.488304913	-0.4106268580	0.3120585055
## 8912521	-0.418098245	-0.601613538	-0.4805839775	0.2413612995
## 8912909	-0.815701227	0.688688429	-0.4722900922	0.3138712543
## 8913	-1.731282405	-0.989695579	-0.9086205798	-1.3556704544
## 8913049	2.857566687	-0.066230285	0.2936321852	1.2474369220
## 89143601	0.734585628	-0.459977757	-0.5033020112	1.3725165940
## 89143602	-0.356086771	1.292056856	1.7162138162	1.0027158247
## 8915	0.245789302	-0.605862612	-0.4236085915	-0.4873637459
## 891670	-0.297723030	0.269446516	-0.7059612955	-0.8216346374
## 891703	0.231198367	-0.799903632	-0.7146157845	0.0383334262
## 891716	-0.633314538	-0.254605874	-0.8094545599	-0.9494334327
## 891923	-0.801110292	-0.520881143	-0.6709827358	-0.9467143094
## 891936	-1.322736222	-0.352334563	-0.8289271602	-0.3441565853
## 892189	-0.702621480	0.010253037	0.8648284598	1.6099866959
## 892214	-0.644257739	-0.982613790	-0.6316769315	-0.9931206805
## 892399	-0.425393713	0.391253288	-0.4268540249	-0.1338777164
## 892438	-0.071563536	0.385587857	2.5452417426	-0.1012482368
## 892604	-0.111688608	-0.043568560	-0.1477467544	-0.3205908500
## 89263202	1.595450800	1.684387970	2.4046062962	0.9537716052
## 892657	-1.202361007	0.453573032	-0.9255689541	0.6274768087
## 89296	-1.461350105	-0.052066707	-0.2790065043	-0.2861486214
## 893061	0.450062394	-0.569037308	-0.5552289452	1.0317198066
## 89344	-0.655200941	-0.546375583	-0.7748366039	-1.1662381975
## 89346	-0.086154471	0.783584402	-0.8314513862	0.1597876004
## 893526	-1.629145859	-1.338119600	-0.6518707392	-0.9615788502
## 893548	-1.308145287	-1.078926121	-0.0276657193	-0.7039872358
## 893783	0.453710128	-0.214947855	-0.8837389239	0.3863812091
## 89382601	-0.655200941	-1.451428225	-0.3215577420	-0.5535290797
## 89382602	-0.768280688	-0.197951562	-0.2836943526	-1.0105230696
## 893988	0.077993549	-0.254605874	-0.9879533958	-1.5528975313
## 894047	1.281745695	1.528588611	-0.2465521706	2.8281539361
## 894089	-2.176305926	-0.859390660	-0.8422694974	-0.9095529576
## 894090	-0.505643856	-0.893383247	-0.6991098250	-1.1189254520
## 894326	-0.016847530	-0.872137880	-0.0038658746	-1.2082939713
## 894329	1.890917236	3.488827823	0.2168235952	1.2583134153
## 894335	-1.238838345	-1.018022735	-0.0987046500	1.7821978385
## 894604	-0.250302491	1.415279986	-0.1351256245	0.4607039127
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## 894855	-0.979849247	0.277944663	-0.6634100579	-0.3169653522
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## 89511501	-0.633314538	-0.213531498	-0.5325109116	-0.7424175119
## 89511502	-0.381620907	-0.418903380	-0.7037976733	-0.4828318738
## 89524	-1.599963989	-0.821148999	-0.5339533264	-0.2462681463
## 895299	-1.567134385	-0.297096609	-0.6190558017	-0.5567920276
## 8953902	0.497482933	-0.003910542	0.1165757642	0.0274569330
## 895633	0.209311965	0.357260701	0.5965393005	0.4353254286
## 896839	-0.108040874	-0.430234243	-0.2454703594	-0.8506386194
## 896864	-0.184643283	0.368591563	-0.4932051073	-1.1791087145
## 897132	0.468301063	-0.356583637	-0.3879088244	1.3580146031
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## 897374	-0.994440182	-0.474141335	-0.7975546375	0.5712815938
## 89742801	-0.308666232	-0.295680251	1.4818214055	1.6534926688
## 897604	-0.582246265	1.357209316	-0.8069303340	-1.0435150991
## 897630	0.515721602	-0.278683957	0.8547315560	0.5676560960
## 897880	0.285914374	0.072572780	-0.5166443484	1.4468392977
## 89812	-0.053324867	-1.095922415	2.1774259597	-0.5299633444
## 89813	0.366164517	0.187297763	-0.2021979144	-0.8089453954
## 898143	0.818483505	1.197160883	-0.7961122227	-0.4966087652
## 89827	-0.129927277	0.888394880	-0.8837389239	-0.7148637290
## 898431	0.986279259	-0.799903632	0.7840532291	1.9344687435
## 89864002	0.719994693	0.320435397	-0.2184250813	-0.8653218852
## 898677	-0.651553207	1.027197946	-0.2422249260	2.3423372391
## 898678	-0.936076441	-0.328256480	-0.5847984494	-0.1175629766
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## 898690	-0.647905473	0.130643451	-0.8455149308	-0.8254414101
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## 899187	-0.512939323	-0.777241907	-0.1866919549	-0.9869573343
## 899667	2.055065256	1.874179917	0.4155162387	0.1942298289
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## 9010018	-0.600484934	0.260948369	0.8951191714	0.5241501232
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## 9010258	-1.016326585	-0.135631818	-0.1621709027	0.4733931548
## 9010259	0.814835772	0.313353608	-0.3410303422	0.5314011186
## 901028	-1.413929566	-0.561955519	-0.5440502303	0.2649270348
## 9010333	0.431823725	0.483316546	0.4793430952	-0.0305510309
## 901034301	-1.114815397	0.962045486	0.3704407751	0.0546481660
## 901034302	-1.034565253	-1.550573272	-0.1949858402	-0.4788438262
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## 9010598	-0.191938751	-0.137048176	-0.6630494542	0.1235326230
## 9010872	-1.154940468	-0.972699285	-0.2389794927	0.4026959489
## 9010877	-0.589541733	-0.819732641	-0.8898691870	-1.0957222665
## 901088	-0.706269213	-1.023688166	0.6235845787	-0.5439215107
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## 9011971	-0.345143570	-1.736116146	2.8914213030	-0.3006506124
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## 9012315	1.325518500	-0.087475652	0.0938577305	-0.3532203296
## 9012568	-0.330552634	-1.042100818	-0.8181090489	-1.4580907655
## 9012795	0.588676277	-0.137048176	-0.2299643999	0.1670385959
## 901288	-0.877712701	-1.135580433	0.7519594990	-1.0139672925
## 9013005	0.220255166	-0.865056091	-0.8462361382	-1.2875110969
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## 901315	1.372939039	3.073834984	-1.0589923264	0.0256441841
## 9013579	-1.424872768	-0.731918457	-0.8520057976	-0.1211884743
## 9013594	-0.071563536	-0.542126510	-0.9554990620	-1.2238836116
## 9013838	1.402120910	2.365656078	-0.6987492213	-0.3441565853
## 901549	0.752824297	0.898309385	-0.5371987598	-0.4188418387
## 901836	0.698108291	-0.047817634	-0.8689541719	-0.3369055898
## 90250	-2.220078731	0.537138143	-1.0305046334	0.3936322046
## 90251	-0.118984075	0.436576738	-0.5206109892	-0.6233199111
## 902727	-0.709916947	-0.971282927	-0.8000788635	-1.2436425742
## 90291	-0.673439609	-1.223394618	0.0379641557	0.7434927364
## 902975	-0.604132668	-0.178122552	-0.4996959741	-0.6996366385
## 902976	-0.746394285	-1.141245865	-0.5447714377	-1.0786824271
## 903011	-0.005904328	1.377038325	-0.2692702042	-0.2716466305
## 90312	0.647040018	-0.560539162	0.7411413877	2.9351061194
## 90317302	-0.042381666	0.409665940	-0.7719517742	-1.2130071183
## 903483	0.632449083	1.158919222	0.4028951089	1.5628552253
## 903507	0.428175991	0.657528557	0.8720405340	0.2069190710
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## 903554	0.457357861	-0.168208048	-0.4365903251	0.7888114581
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## 90401601	-0.020495263	-0.284349388	-0.6908159397	0.2087318199
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## 904302	-1.009031117	-0.093141084	-0.7921455819	-0.9584971771
## 904357	0.129061821	-0.369330857	-0.2213099109	-0.1393159630
## 90439701	1.099359006	1.182997305	-0.0078325154	-0.8015131250
## 904647	-0.768280688	-1.046349891	-0.5516229082	-0.3115271056
## 904689	0.227550633	-0.539293794	-0.6111225201	0.1489111072
## 9047	-0.279484362	-0.112970093	-0.9353052543	-0.5653119473
## 904969	-0.877712701	-0.809818137	-0.0788714460	-0.5602362505
## 904971	-1.187770072	0.474818399	-0.0922137832	0.9537716052
## 905189	-0.279484362	-0.573286382	-0.6003044088	-1.0507660945
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## 905501	0.563142141	-0.967033854	-0.2559278670	1.0226560622
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## 905520	-0.356086771	0.085320001	-0.7517579665	0.3084330077
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## 905557	0.482891998	-0.519464785	-0.3121820455	0.2159828154
## 905680	0.147300490	-1.396190271	0.2269204990	0.7434927364
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## 905978	0.778358434	0.454989390	0.0902516934	3.0112415719
## 90602302	0.997222460	0.827491494	3.4792053483	-0.0069852956
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## 906290	-0.717212415	-0.192286131	-0.4279358361	0.8359429287
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## 907409	0.413585056	0.899725743	-0.2797277118	-0.1628816983
## 90745	0.745528830	-0.428817885	-0.3514878498	0.7326162431
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## 90769602	-1.286258884	-1.042100818	-0.3958421060	-0.6041047731

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## 9113156	-0.381620907	-1.199316535	-0.6262678759	-0.5540729043
## 911320501	-1.078338059	-0.595948107	-0.8062091265	-0.8180091397
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## 9113239	-0.768280688	0.215624919	-0.4477690400	-0.7311784689
## 9113455	-0.910542305	-0.367914499	-0.3244425716	-0.7766784655
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## 9113538	-0.421745979	1.542752189	1.8885823890	0.4498274195
## 911366	0.530312537	1.381287399	0.0177703480	0.9483333586
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## 911384	-0.454575583	-0.865056091	-0.5790287900	-1.4202043141
## 9113846	-0.403507310	-0.452895968	0.1454240609	4.4052454525
## 911391	0.180130094	0.789249833	-0.9266507653	-1.2305907824
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## 911654	-1.114815397	-0.383494435	-0.2068857626	-0.3604713251
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## 911685	-0.118984075	0.416747729	-0.7275975180	-0.0921844924
## 911916	1.237972890	0.422413160	-0.3262455902	-0.4190231136
## 912193	-1.268020215	0.006003963	-0.6699009246	-0.0486785196
## 91227	-0.848530831	-0.971282927	-0.2653035634	-0.5265191215
## 912519	-0.118984075	0.508810986	-0.8884267721	-1.1666007473
## 912558	-0.290427563	-0.271602168	-0.5844378457	-0.4906266939

## 912600	-0.100745407	-0.029404982	-0.8732814164	-1.5041345868
## 913063	0.986279259	1.480432445	-0.0471383196	-0.0178617888
## 913102	-1.468645573	-1.309792444	-0.6662948875	-0.3822243115
## 913505	0.041516211	-0.233360507	0.5795909262	0.3465007340
## 913512	0.150948224	0.171717827	-0.1221438910	-0.1139374788
## 913535	0.125414088	-1.352283178	-0.5692924899	-1.1763895912
## 91376701	-0.976201513	-0.430234243	-0.6536737577	-0.1411287119
## 91376702	-2.158067257	-1.468424519	0.2820928665	-0.3097143567
## 914062	1.110302207	-0.287182104	1.2607713320	0.1289708696
## 914101	-0.724507882	-0.377829004	-0.2797277118	0.4878951458
## 914102	-0.359734505	-0.554873730	-0.2937912564	0.4643294105
## 914333	-1.184122338	-0.753163824	-0.6233830462	0.7598074762
## 914366	-0.622371337	0.813327916	-0.6230224425	-1.0580170900
## 914580	-1.041860721	-0.331089196	-0.9086205798	-0.7900928071
## 914769	0.074345815	0.590959740	1.3959977228	-0.3115271056
## 91485	0.132709555	-0.081810221	0.6679388349	-0.0015470489
## 914862	-0.523882525	0.834573283	-0.1196196651	-0.6789713014
## 91504	1.690291878	1.355792958	0.2521627587	0.5640305983
## 91505	0.479244264	0.470569325	-0.5317897042	-0.2208896621
## 915143	-1.118463130	-1.127082286	3.1943284184	-0.8549892166
## 915186	2.066008457	4.563843402	0.0087552552	-0.2245151599
## 915276	0.895085915	4.667237522	-0.4715688848	0.3138712543
## 91544001	1.139484078	0.869982228	-0.8080121451	-0.7630828490
## 91544002	0.519369336	2.402481381	-0.8195514638	-0.3387183386
## 915452	-0.367029972	-0.882052385	-0.7156975956	-1.3527700562
## 915460	-0.016847530	1.137673855	-0.2598945078	1.3489508587
## 91550	-1.140349533	0.677357566	-0.7672639260	-1.0426087246
## 915664	-0.556712129	-1.319706949	-0.6742281691	-1.0761445787
## 915691	1.110302207	1.480432445	-0.0525473752	-0.5189055763
## 915940	-0.264893426	-0.906130468	0.0408489853	-1.0752382043
## 91594602	-0.914190039	-0.516632069	-0.0691351458	-0.0341765286
## 916221	0.420880524	-0.097390157	-0.5847984494	-0.3749733160
## 916799	0.176482361	-0.479806766	0.5038641474	-0.5335888421
## 916838	-0.035086199	-0.129966387	0.3704407751	-0.6220509869
## 917062	-0.374325440	1.378454683	0.1349665533	-0.0867462458
## 917080	1.124893143	0.486149261	-0.0785108423	-0.3876625581
## 917092	1.405768643	2.005901194	-0.1852495401	-0.1574434517
## 91762702	0.654335485	0.650446768	2.1143203107	-0.5736505921
## 91789	-0.636962272	0.089569074	-0.9764140771	-0.2426426486
## 917896	-0.356086771	0.797747980	-0.3103790270	0.0582736637
## 917897	-1.548895716	0.865733155	-0.5602773972	-0.0015470489
## 91805	-0.487405187	1.198577241	-1.0041805626	-0.9744493671
## 91813701	-0.323257167	0.052743771	-0.7405792515	-1.1058736602
## 91813702	-0.447280115	-0.668182355	-1.0406015372	-1.3072700595
## 918192	0.599619479	0.251033865	0.5081913919	2.5707435967
## 918465	-0.564007596	0.464903894	-0.5548683415	-1.2922242439
## 91858	-0.779223889	0.562632583	0.1198211975	1.2510624198
## 91903901	0.172834627	0.256699296	-0.7156975956	-0.6206007878
## 91903902	-0.658848674	-0.176706195	-0.7229096698	-1.3355489419
## 91930402	1.292688896	-1.219145544	1.5449270545	0.9410823631
## 919537	-0.702621480	0.181632332	-0.9176356725	0.6637317861
## 919555	1.150427279	-0.040735845	1.0581120477	-0.4110470185
## 91979701	0.417232790	-0.421736096	-0.7301217440	1.1495484831
## 919812	1.165018214	1.593741070	-0.3947602948	1.3797675895

##	921092	0.212959698	1.423778133	-0.0990652537	0.4443891729	
##	921362	0.822131239	2.083800873	-0.6691797172	0.4752059037	
##	921385	0.023277542	0.711350154	-0.4571447365	0.9990903269	
##	921386	0.220255166	0.086736358	-0.5444108340	-0.2498936440	
##	921644	0.103527685	-0.849476155	-0.3680756204	0.3048075100	
##	922296	-0.669791876	-0.706424016	-0.6132861424	0.6891102703	
##	922297	-0.698973746	0.578212519	-0.4802233738	-0.3079016079	
##	922576	-0.538473460	-0.678096860	-0.2133766293	0.2159828154	
##	922577	0.267675705	-0.111553735	-0.7023552584	-0.4529215174	
##	922840	-0.520234791	0.615037822	-1.0485348188	-0.3514075807	
##	923169	-0.844883097	-0.063397570	-0.3947602948	0.2649270348	
##	923465	0.599619479	0.068323707	0.4126314091	1.2710026573	
##	923748	-0.549416661	-0.469892262	-0.3204759308	0.1579748516	
##	923780	0.796597103	0.385587857	-0.4513750771	0.4534529173	
##	924084	-0.994440182	-0.910379541	-0.5923711272	0.2721780303	
##	924342	-0.436336914	0.419580444	-0.3745664872	1.2003054514	
##	924632	-0.895951370	-0.809818137	-0.6980280139	0.2594887882	
##	924934	-0.797462558	-0.216364213	-0.6680979061	1.8528950444	
##	924964	-0.075211270	0.072572780	-0.5808318086	1.5827954629	
##	925236	-0.253950225	-0.312676545	0.4771794729	3.1000662665	
##	925277	-1.304497553	-0.188037057	-0.6482647021	-0.1973239268	
##	925291	-1.545247982	0.411082297	-0.5999438051	3.0583730425	
##	925292	-1.001735649	-0.154044470	-0.1466649432	0.4987716390	
##	925311	-2.741704661	-1.101587846	-0.3284092124	4.8566199209	
##	925622	1.154075013	1.235402544	-0.5227746115	-0.0214872865	
##	926125	1.230677422	0.848736861	2.0086634240	-0.3459693341	
##	926424	-0.312313966	-0.930208551	2.7796341533	0.0709629058	
##	926682	-0.217472887	-1.057680754	1.2993559289	2.2589507911	
##	926954	-0.808405759	-0.894799605	0.1847298651	-0.2571446395	
##	927241	2.135315399	1.042777882	1.1569174639	0.6854847725	
##	92751	-0.819348961	-0.560539162	-0.0702169570	0.3827557114	
##		perimeter_se	area_se	smoothness_se	compactness_se	concavity_se
##	842302	2.830540289	2.485390675	-0.213813513	1.315703888	0.7233896514
##	842517	0.263095470	0.741749287	-0.604818670	-0.692317104	-0.4403925588
##	84300903	0.850180232	1.180297518	-0.296743909	0.814257044	0.2128891146
##	84348301	0.286341454	-0.288124629	0.689095329	2.741867851	0.8187979283
##	84358402	1.272070124	1.189310289	1.481763364	-0.048477225	0.8277424542
##	843786	-0.321021720	-0.289003924	0.156209255	0.445151962	0.1598845164
##	844359	0.155273668	0.298364935	-0.908230679	-0.650995203	-0.3098687356
##	84458202	0.489620171	0.233516951	0.587513921	0.268696280	-0.2323495106
##	844981	-0.227543186	-0.352093318	-0.436293449	0.532821399	0.1204623464
##	84501001	-0.409059705	-0.360446618	0.035976834	2.607292473	1.5085202629
##	845636	-0.197867461	0.003801211	-1.003151011	-0.905124890	-0.6918331217
##	84610002	0.345198309	0.303860527	-0.422971297	0.844969267	-0.1319720527
##	846226	4.057631523	1.667646605	-1.299568890	3.210368855	1.8884969766
##	846381	0.018270737	-0.082589493	0.908577781	0.322861473	0.6167178975
##	84667401	-0.398178605	-0.464423216	-0.203821899	1.891976875	0.7657933300
##	84799002	0.006400447	-0.171178434	-0.477592120	0.944923593	0.5140214884
##	848406	0.162692600	0.111294988	-0.440623149	-0.773844096	-0.3946760928
##	84862001	0.488630981	0.304300174	-0.004988783	-0.026141063	-0.0004543933
##	849014	1.483262368	1.584113609	-0.182173403	-0.365650730	0.0667951907
##	8510426	-0.399662392	-0.368799918	0.473276469	-0.607439687	-0.2658086633
##	8510653	-0.733514299	-0.564223164	-0.980503353	-0.362858710	-0.4940597145
##	8510824	-0.473357109	-0.541581326	0.854290012	-0.623075000	-0.3989827164

## 8511133	0.256171134	0.100523628	-0.083922533	1.552467208	1.0788517384
## 851509	0.710704324	1.179418224	-0.770346407	-0.719678902	-0.4884279759
## 852552	1.280478246	1.368686408	-0.330715396	-0.371793174	-0.1485359897
## 852631	2.181136504	1.562131241	0.329064175	0.698667404	0.1797612407
## 852763	-0.373943430	-0.423975660	-0.862269255	0.283214785	-0.1684127140
## 852781	1.368021635	1.169526158	1.235303555	0.097266234	0.6266562596
## 852973	0.312555011	0.069528490	-0.602154240	0.284331593	0.1280817574
## 853201	0.884801911	0.456418157	-0.470931044	0.270929896	0.0720956505
## 853401	1.339335101	1.421444089	-0.264104637	0.461345680	0.6647533146
## 853612	0.301179317	0.014572571	-0.496243133	0.483681842	0.3364560843
## 85382601	0.560347316	0.603260372	0.408664032	0.298291695	0.6137363888
## 854002	0.327392874	0.611833495	-0.674759968	0.430075052	0.1019107370
## 854039	-0.337837964	-0.116662163	-0.951194619	0.178793226	-0.1740444526
## 854253	0.070203256	0.106678691	-0.421306028	-0.027257871	0.1675039274
## 854268	-0.103399736	-0.339123722	-0.387334541	0.249710542	0.5385361151
## 854941	-0.838863124	-0.575434172	-0.895574635	-1.149147463	-0.6116636668
## 855133	2.577307434	1.443426457	-0.052615476	-0.811815572	-0.4543062658
## 855138	-0.653389842	-0.479591050	-0.557525031	-0.172442926	-0.0465021381
## 855167	-0.640035765	-0.435406491	-1.252608304	-0.807348339	-0.5960935661
## 855563	-0.516386911	-0.513663719	0.340721058	-0.437684853	-0.1969026856
## 855625	2.949737785	1.419245853	-0.164188498	4.194835209	2.1644521662
## 856106	-0.217156682	-0.197996922	-0.655775901	-0.223816099	-0.3327269686
## 85638502	-0.757749475	-0.568179991	-1.229294539	-0.649878395	-0.5755542843
## 857010	0.705758369	0.686353721	-0.248784162	0.807556195	0.7833511032
## 85713702	-0.876452375	-0.706339170	0.641801690	-0.503576532	-0.5305003758
## 85715	-0.479292254	-0.353632084	-0.169517358	-0.118277732	-0.0942062765
## 857155	-0.503527430	-0.449914854	-0.517225522	-0.625867021	-0.2873417813
## 857156	-0.559416712	-0.442660672	-0.861270094	-0.650995203	-0.3625420551
## 857343	-0.114280835	-0.260866493	-0.394328671	-0.877818931	-0.6696374462
## 857373	-0.700871002	-0.566861049	-0.853942910	-0.765468035	-0.6991212539
## 857374	-0.665754727	-0.502672536	0.056293116	-0.954767011	-0.6222645865
## 857392	0.994602094	1.285373235	-1.046448004	0.230724804	-0.1233588055
## 857438	-0.380373170	-0.229211884	-0.787998258	-0.847553432	-0.5255311947
## 85759902	-0.337837964	-0.370778331	0.428647260	-0.935669592	-0.6096759944
## 857637	0.974818277	1.366488171	-0.194163339	-0.135029854	-0.0809551269
## 857793	-0.064821293	-0.005431383	-1.126380915	0.171533974	-0.2045220966
## 857810	-0.134064652	-0.162165663	0.149881232	-0.942873004	-1.0336465246
## 858477	-0.900192956	-0.703767233	1.022149125	-0.833593330	-0.4003078313
## 858970	0.220560264	-0.125674933	0.157541470	-0.809023552	-0.8026458599
## 858981	-0.184513384	-0.482448757	1.628307035	0.342964019	-0.0627347963
## 858986	1.239921422	0.449383800	0.788012306	2.517389420	1.2289210072
## 859196	-0.127634911	-0.369679212	0.565199316	0.776285568	0.3719029093
## 85922302	0.030141027	-0.085227377	0.246466833	0.055944334	-0.0716793222
## 859283	-0.205780988	-0.112045866	-0.112565159	-0.132796238	-0.2896607325
## 859464	-0.596511368	-0.574554877	1.158701182	-0.442710490	-0.4887592547
## 859465	-0.511935552	-0.487724526	0.746380582	-0.908084431	-0.3731429747
## 859471	-0.485227399	-0.498276062	0.835305945	3.382915709	9.0076770783
## 859487	-0.689989903	-0.483767699	0.306749570	-1.109333254	-0.5314942120
## 859575	1.295810704	1.224701901	-0.864933685	-0.500226108	-0.3048995545
## 859711	0.149338523	-0.327473067	3.386831080	3.808419601	0.8221107157
## 859717	0.414936263	0.640410573	-0.406651661	1.713287577	0.3520261850
## 859983	-0.449616529	-0.373416215	-0.774009999	-0.269605232	-0.4738517114
## 8610175	-0.556943735	-0.454091503	-0.728381629	-0.406972630	-0.4516560359
## 8610404	1.069780598	0.855398127	1.258617321	-0.192545472	0.1029045732

## 8610629	-0.105872713	-0.168980197	2.117896115	0.162599509	-0.6716251186
## 8610637	1.703851925	2.076518640	0.299422387	1.837811682	0.4865253530
## 8610862	2.860216014	1.672043079	1.112073650	2.393982123	2.5576800294
## 8610908	-0.538149109	-0.439363317	-0.582171012	-0.495200471	-0.3704927448
## 8611103	-0.390265079	-0.345498608	1.108743112	-0.470072289	-0.1998841942
## 8611161	-0.658335796	-0.601813013	-0.082257264	0.573584895	0.2619183680
## 8611555	2.233563618	1.751179602	0.374692545	1.756284689	0.8416561613
## 8611792	1.451608261	0.588312362	0.167866137	1.955634938	-0.3496221843
## 8612080	-0.704827765	-0.531469437	-0.357026646	-0.410881458	-0.3916945841
## 8612399	0.947615529	0.885074323	-0.189833640	-0.501901320	-0.1270028716
## 86135501	0.215119714	-0.032249872	0.775356262	0.243009693	0.7227270940
## 86135502	0.093449241	0.380578990	-1.055440457	-0.394129337	0.1724731084
## 861597	-0.327946056	-0.426173897	0.023653844	-0.030608295	-0.1611245818
## 861598	0.468847164	0.053261538	-0.510564446	1.040969091	0.4129814730
## 861648	-0.290356804	-0.144579769	-0.723718876	-0.407531034	-0.6852075469
## 861799	-0.391254270	-0.239543597	0.946212860	-0.057970094	0.4444529532
## 861853	-0.081637537	-0.087645438	-0.852610695	-0.843086199	-0.6066944857
## 862009	-0.379383980	-0.332309188	-0.385336218	-0.590129161	-0.4364172139
## 862028	0.415430859	0.149544307	0.735722860	0.651761463	0.5557626095
## 86208	0.834847774	1.044886135	-0.341373117	0.521653318	0.3454006102
## 86211	-0.225564804	-0.349455434	-0.535543481	-0.764351227	-0.6818947595
## 862261	-0.363062331	-0.445958027	1.361863998	-0.605764475	-0.8807282587
## 862485	-0.688011521	-0.540482208	-0.295744747	-0.680032214	-0.4957161082
## 862548	-0.242381048	-0.296477929	0.321070884	0.193870136	0.0436056790
## 862717	-0.002502270	0.061614838	-0.389332864	-0.591804373	-0.1796761911
## 862722	-0.649433078	-0.670551876	1.048793429	-0.817399612	-1.0565710133
## 862965	-0.832433383	-0.564003341	-0.653111471	-1.082194817	-0.7024340413
## 862980	-0.661797964	-0.627972030	0.671776531	-0.196454300	-0.0531277128
## 862989	-0.278981109	-0.378252336	0.184518827	-0.183611007	-0.1024882450
## 863030	-0.225564804	-0.124795639	0.040306533	0.203363005	0.7565175253
## 863031	-0.351686636	-0.433428078	0.499254665	-0.132796238	-0.0809551269
## 863270	-0.997925010	-0.683873191	-1.193657782	-0.838060563	-0.6699687249
## 86355	3.553144196	2.850297975	-0.175179273	3.417536761	2.3887278725
## 864018	-0.627670880	-0.525973845	0.690094490	-0.553274493	-0.2472570539
## 864033	-0.058886148	-0.383967751	2.267770324	0.214531086	-0.1548302857
## 86408	-0.076691583	-0.436505609	1.954699755	0.834359590	0.6332818344
## 86409	0.263590065	-0.243720247	-0.580505743	2.735167002	3.6972788917
## 864292	-0.408070514	-0.449035559	1.611654345	0.669630393	0.4643296775
## 864496	-0.747857567	-0.689610589	0.406332656	-0.186961431	0.0230663971
## 864685	-0.428348926	-0.341761606	0.253794017	-0.022790638	-0.4486745272
## 864726	0.204733210	-0.514323190	3.766512408	2.352101819	2.0120639463
## 864729	0.060805943	0.018529397	-0.018643989	0.008479989	-0.0590907301
## 864877	0.362014553	0.402121710	0.552210218	0.797504922	0.9145374839
## 865128	0.242817057	0.301222643	-1.004816280	-0.952421714	-0.2976114222
## 865137	-0.872001017	-0.655889637	-0.333379826	-0.568909807	-0.5550150025
## 86517	1.003504812	1.102040290	0.353377102	-0.249502686	0.0505625325
## 865423	3.432957509	4.235187126	5.425120314	4.053000578	3.1771712714
## 865432	-0.463959796	-0.354951026	-1.073425362	-0.710186033	-0.1018256875
## 865468	-0.812649566	-0.564442988	-0.373679336	0.403271658	0.5855776960
## 86561	-0.678119612	-0.493000294	-0.813310347	-0.910708930	-0.7542129082
## 866083	-0.551008590	-0.450794148	-0.983500837	-0.767143247	-0.4615943981
## 866203	1.162269941	0.898923215	-0.870262546	0.102291870	0.2817950923
## 866458	-0.034650973	-0.010926975	0.654457734	0.914211370	0.0048460665
## 866674	-0.049983431	0.505438837	-0.668764999	0.352456888	0.5186593907

## 866714	-0.441703002	-0.551693215	-0.089251393	-0.051269245	-0.7193292570
## 8670	0.112738462	0.175263677	-0.266769067	-0.594037989	-0.1246839205
## 86730502	-0.010910392	0.073485316	-0.720721391	-0.332704890	-0.3214634914
## 867387	-0.442197598	-0.272517148	-0.607483101	-0.576727464	-0.5006852893
## 867739	0.445106584	0.615790322	-0.346368924	-0.628659041	-0.1107702134
## 868202	-0.696914238	-0.449914854	0.152545663	-0.751507934	-0.2840289939
## 868223	0.193852111	-0.131170525	-0.154196884	-0.652112011	-0.1747070101
## 868682	-0.852217200	-0.608187899	-0.635459620	-0.573377039	-0.5815173016
## 868826	2.746459068	1.353298750	0.985513208	0.520536510	1.1222492532
## 868871	-0.502043643	-0.307908760	1.408491529	0.530587783	-0.3320644111
## 868999	-0.815122544	-0.617200670	-0.333379826	-1.106876276	-1.0565710133
## 869104	0.824461270	0.741749287	-0.090250555	-0.340522547	-0.0405391208
## 869218	-0.459508437	-0.416721479	-0.125554257	-0.453878571	-0.6729502336
## 869224	-0.582168101	-0.520917901	-0.571846344	-0.549924069	-0.5563401174
## 869254	-0.524300437	-0.496737296	-0.164521551	-0.428191984	-0.3880505180
## 869476	0.076632997	-0.336485837	1.042132353	1.224684026	-0.1326346102
## 869691	-0.289367613	-0.343300371	-0.537541803	0.605972330	0.4835438444
## 86973701	0.200281851	-0.019939746	-0.416643275	1.300626978	0.7002001397
## 86973702	-0.368997476	-0.420678305	-0.444619794	-0.140055491	-0.0249690200
## 869931	-0.639541170	-0.414743066	-1.399818082	-0.533730351	-0.4668948579
## 871001501	0.003432875	-0.122157755	-0.007986267	-0.785012177	-0.4109087510
## 871001502	-0.802757658	-0.662264523	1.794833933	1.601606765	1.5118330503
## 8710441	0.596947377	0.209116523	1.308575390	3.930151685	12.0620670521
## 87106	-0.710762910	-0.546417447	0.658787433	-0.920983565	-0.6603616415
## 8711002	-0.517870697	-0.385726341	0.513909032	-0.296408627	-0.0471646955
## 8711003	-0.683560162	-0.523775608	-0.507233908	-0.550482473	-0.3960012077
## 8711202	1.322518857	1.177659634	0.664782402	1.343624091	0.6680661020
## 8711216	0.303157698	0.137893653	-1.198320536	0.063203586	-0.0441831869
## 871122	-0.838368528	-0.595438126	-0.503903370	-0.876087879	-0.7802182893
## 871149	-0.523311246	-0.479151402	-0.299408339	-1.080184562	-0.9957813647
## 8711561	0.524241851	-0.043900526	0.796671705	-0.079747852	0.3238674922
## 8711803	2.030284901	1.735791944	0.787679253	0.283214785	0.3825038290
## 871201	0.952561483	1.247123915	-0.993825505	-0.151223572	0.2781510262
## 8712064	-0.450605720	-0.412984476	1.431805295	0.350223272	-0.0213249539
## 8712289	0.859082949	1.264270162	-0.709730616	-0.002129688	-0.1217024118
## 8712291	-0.781490055	-0.520917901	-1.134707260	-0.976935652	-0.7826697519
## 87127	-0.860625322	-0.634346917	0.255792340	-0.874580188	-0.6924956792
## 8712729	0.624644721	0.593588130	-0.305736361	-0.043451589	-0.1866330447
## 8712766	2.211306824	1.801739047	-0.288750618	0.606530734	0.4818874507
## 8712853	-0.481270636	-0.352972613	-0.653111471	-0.657696052	-0.8155326028
## 87139402	-0.591565414	-0.503551830	0.334393036	-0.763792823	-0.4990288956
## 87163	0.136479042	0.067330253	-0.345702817	-0.829126098	-0.3439904457
## 87164	-0.030199614	0.094588389	-0.548865633	-0.126653793	0.3689214007
## 871641	-0.736481872	-0.467280924	2.637460038	-0.238334605	-0.5752230055
## 871642	-0.351686636	-0.403532058	0.556872972	-0.854812684	-1.0565710133
## 872113	-0.707795338	-0.636984801	0.709744664	-0.975595482	-1.0565710133
## 872608	0.131533088	-0.282629037	1.938047065	3.495713329	2.9088354928
## 87281702	-0.189953934	-0.192281507	-0.137877248	0.863396601	0.7227270940
## 873357	-0.872990208	-0.571477346	-1.206646880	-1.296957017	-1.0037320545
## 873586	-0.538149109	-0.407708708	0.497256342	-1.067341269	-0.8518407526
## 873592	1.461005574	1.942426199	-0.802652625	-0.006038517	-0.0266254137
## 873593	0.765604415	0.903979159	-0.928546960	1.234735299	0.2261402642
## 873701	-0.227543186	0.014132924	-0.804317894	-0.159041228	-0.4092523573
## 873843	-0.476819277	-0.386165988	0.104918970	0.659020716	0.9029427280

## 873885	-0.752803521	-0.457388859	-1.249277766	-0.643735951	-0.4688825303
## 874158	-0.092024041	-0.305710523	2.447619374	-0.752624742	-1.0036657987
## 874217	-0.518859888	-0.250974428	-1.390492576	-0.910038846	-0.5888054338
## 874373	-0.555954544	-0.494099412	-0.045288292	-0.936674719	-0.4013016676
## 874662	-0.917503795	-0.568619638	0.263119523	-0.932654210	-0.5411012954
## 874839	-0.583157292	-0.483987523	-0.348034193	-0.187519835	-0.3552539228
## 874858	-0.372954239	-0.189423799	0.309414001	6.138081329	2.8061390837
## 875093	1.113799590	0.292649520	-0.822635853	-0.423166348	-0.3357084772
## 875099	-0.314591980	-0.409906945	-1.774503603	-1.046568638	-1.0565710133
## 875263	-0.110818667	-0.129631759	0.685098683	0.724353991	0.1900308816
## 87556202	0.358552385	-0.332748835	0.346382972	1.437435972	0.7823572670
## 875878	-0.679108803	-0.540482208	-0.580505743	-0.536522371	-0.2876730601
## 875938	1.008945361	0.205819168	2.251117634	0.446827174	0.4888443042
## 877159	0.715155682	0.791869085	-0.503237262	1.534598278	0.9675420821
## 877486	0.478244477	0.305179469	-0.505235585	0.642268594	-0.1601307455
## 877500	-0.702354788	-0.459806919	-0.998155204	-0.530938331	-0.3940135353
## 877501	-0.276013537	-0.287904805	0.157541470	-0.429308792	-0.5924495000
## 877989	0.109770890	0.008637332	-0.316727136	0.011830413	-0.1578117944
## 878796	0.890737056	0.941349184	0.761368003	1.436877568	1.9110239309
## 87880	0.515833729	0.272205918	0.593841943	0.312810200	-0.0256315775
## 87930	-0.182535003	-0.220858585	-0.029301710	-0.355599457	-0.1617871392
## 879523	-0.441208407	-0.305490699	-0.522554383	-0.351132224	-0.3810936645
## 879804	-0.667238513	-0.615661904	0.891925091	-0.725262943	-0.7923762190
## 879830	0.613269026	0.618208382	-0.667099730	-0.583428312	-0.4119025872
## 8810158	-0.680097994	-0.554990570	-0.596159272	0.275397128	-0.2197609186
## 8810436	-0.663281750	-0.447057146	-0.915890916	-0.732522196	-0.4466868548
## 881046502	2.058971435	1.568725952	0.360704285	0.593687441	0.7618179852
## 8810528	-0.703343979	-0.510366364	-0.507566962	-0.458345803	-0.3791059920
## 8810703	9.453667543	10.667227849	2.134548805	0.125186437	1.0599688503
## 881094802	0.445601179	0.399923473	8.022939926	3.354437102	3.7072172539
## 8810955	0.330360447	-0.205251104	1.278600548	0.648969443	0.1651849762
## 8810987	-0.461486819	-0.387924577	-0.360024130	0.497083539	0.2383975775
## 8811523	-0.385319125	-0.414962889	0.609828525	0.918120199	0.9132123689
## 8811779	-0.058886148	-0.385726341	-0.786332989	0.319511049	0.8562324258
## 8811842	1.790900718	1.847902018	-0.078926726	0.346872848	0.0850155213
## 88119002	0.917939804	1.529157690	-0.500239778	0.053710717	-0.1740444526
## 8812816	-0.729557536	-0.504211301	-0.968513416	-0.476214733	-0.5092985365
## 8812818	-0.422908376	-0.424415307	-0.396326994	-0.130562622	-0.2137979013
## 8812844	-0.605908681	-0.555869865	0.285767181	-0.640943930	-0.7738577375
## 8812877	-0.307667644	-0.179092086	-0.757690363	-0.097058378	-0.2668024995
## 8813129	-0.406586728	-0.344179666	-0.336044257	-0.806231531	-0.3082123419
## 88143502	0.443622797	0.174824030	0.015993606	-0.625308617	-0.2747531892
## 88147101	-0.820068498	-0.625993617	-0.175845381	-0.972580100	-0.9632497926
## 88147102	-0.291840590	-0.449695030	-0.973176169	0.368092202	0.1506087117
## 88147202	-0.702849383	-0.479810873	-0.623469683	-0.141730703	-0.0574343364
## 881861	-0.301237903	-0.334287601	-0.019310096	0.731613243	0.4948073215
## 881972	-0.352675827	-0.183708383	-0.502571155	-0.301434263	-0.0445144656
## 88199202	-0.893763215	-0.697546223	-1.128379238	-0.503018128	-0.5155928325
## 88203002	-0.681087185	-0.546857094	-0.893243258	-1.042268926	-0.9497998758
## 88206102	0.445601179	0.652281052	-0.673094699	-0.271280444	0.0886595875
## 882488	-0.816606330	-0.608847370	1.531721434	-0.841969391	-0.6636744289
## 88249602	-0.593049200	-0.401553645	0.115909745	-0.650436799	-0.8146712781
## 88299702	2.166793237	2.538148357	-0.204154953	0.176001206	0.4331894761
## 883263	1.126659071	0.948823189	0.305750409	0.326770302	0.3536825787

## 883270	-0.376416407	-0.228112766	-0.244454463	0.165949933	0.2188521319
## 88330202	0.067235684	0.190431511	-0.726383306	0.132445690	-0.1945837344
## 88350402	-0.430327308	-0.289003924	-0.190166694	-0.725821347	-0.4569564957
## 883539	-1.043131032	-0.688731294	-1.257604111	-1.147416410	-0.8414717281
## 883852	-0.245843216	-0.526413492	-0.125887311	1.879691986	1.8851841892
## 88411702	-0.018329324	-0.008948562	-0.895907688	0.066554011	0.0601696159
## 884180	0.579141942	0.441250324	1.188676023	0.393220384	0.2403852499
## 884437	-0.172643094	-0.376273923	2.997158138	-0.648761587	-0.4387361651
## 884448	-0.985757963	-0.588623592	-0.259774937	-0.546573644	-0.0365637759
## 884626	-0.233972926	-0.527292787	-0.512895822	1.699885879	1.6460009396
## 88466802	-0.677130422	-0.520917901	0.049298986	-0.844761411	-0.6984586965
## 884689	-0.583651887	-0.477392813	-0.126220365	-0.736989428	-0.3592292677
## 884948	1.734022245	2.144663979	-0.585501550	0.759533446	2.0965400247
## 88518501	-0.090045659	-0.293400397	-0.220141535	-0.828009290	-0.6441289833
## 885429	0.617720385	1.153479030	0.479937545	1.401139708	1.1961244120
## 8860702	-0.332892010	-0.147437477	-0.760687847	-0.583428312	-0.2840289939
## 886226	0.460439042	0.674043595	-0.796657657	-0.417582307	-0.1458857598
## 886452	-0.149891705	-0.101054682	-0.229800096	0.073254859	-0.0233126263
## 88649001	2.122774244	1.452219404	-0.228134827	1.238085724	0.2231587555
## 886776	0.591012232	0.420367075	1.035471277	1.139248205	0.5941909432
## 887181	3.587765875	2.157853400	1.771520167	1.924922715	1.6705155663
## 88725602	-0.476324682	-0.380670396	-0.564852215	0.004571160	-0.0995067363
## 887549	-0.138021415	0.263852618	-0.665434461	-0.541548008	-0.3552539228
## 888264	-0.142967369	0.089532444	-0.437958718	-0.805114723	-0.6437977045
## 888570	1.622243681	1.112372003	-0.107902406	1.917105058	0.4798997783
## 889403	-0.658830391	-0.399135585	-1.403814728	-0.914282716	-0.6222645865
## 889719	-0.023275278	0.111734635	-0.848614049	-0.749274317	-0.3781121558
## 88995002	2.415080137	3.503174289	-0.829296929	-0.597388414	-0.3466406756
## 8910251	0.278922523	-0.290982337	0.142887103	0.576935319	0.0545378773
## 8910499	-0.136043033	-0.298456342	-0.534544319	-0.079189448	-0.0299382011
## 8910506	-0.652895246	-0.485746113	-0.507233908	-0.206505573	-0.1988903580
## 8910720	-0.314591980	-0.430790194	0.619820139	1.249253805	1.3746836524
## 8910721	-1.000150690	-0.649954398	-1.182000899	-1.215541706	-0.8966958939
## 8910748	-0.841830696	-0.597196716	-0.189500586	-0.796180258	-0.6318716699
## 8910988	2.968037815	2.560130725	-0.450947816	1.346974515	1.0400921260
## 8910996	-0.551997781	-0.526413492	2.251117634	-0.826892481	-0.7800526499
## 8911163	-0.049983431	0.120307759	-0.531879889	-0.769935268	-0.5192368986
## 8911164	0.571228416	0.186914332	2.377678077	-0.591245969	-0.6368408510
## 8911230	-0.643497933	-0.511025835	0.461286532	-0.920257640	-1.0073098649
## 8911670	-0.248810789	-0.079072314	0.176525536	-0.800647491	-0.1876268809
## 8911800	-0.585135674	-0.398256290	-1.099070504	-1.128207311	-0.7037591563
## 8911834	-0.512430147	-0.460026743	-0.934541929	-0.562208958	-0.5738978906
## 8912049	0.719607041	0.644367399	0.116908907	-0.055178074	0.2645685979
## 8912055	0.420871408	-0.055111534	0.330729444	-0.617490960	-0.5550150025
## 89122	0.018270737	0.281878160	-0.461938592	-0.194779088	-0.0431893507
## 8912280	-0.198856652	-0.269219793	-0.825300284	0.521094914	0.2261402642
## 8912284	-0.256724316	-0.374735157	-0.207485491	0.789128861	1.5694755509
## 8912521	-0.566341048	-0.393200346	-0.219142374	-0.975539642	-0.9949531679
## 8912909	0.164176386	-0.405070824	-0.107236298	1.456421710	0.3967488148
## 8913	-0.866065872	-0.607968076	-0.769347246	-0.671656153	-0.5092985365
## 8913049	0.005411256	-0.124355991	2.897241999	3.190824713	1.6264554940
## 89143601	-0.451100315	-0.502232888	-0.167519036	-0.643735951	-0.6007314684
## 89143602	0.738896262	0.808355861	0.240138811	4.518709562	2.2429652274
## 8915	-0.343773109	-0.340003016	-0.569181914	-0.241685029	-0.5477268702

## 891670	-0.808692803	-0.498276062	0.560869617	-0.304226283	-0.2830351577
## 891703	-0.807209017	-0.581589235	0.184518827	-0.585103524	-0.5888054338
## 891716	-0.754781902	-0.592580418	-0.325386535	-0.763792823	-0.8391196491
## 891923	-0.686033139	-0.496737296	-0.896906850	-0.967442783	-0.9150487360
## 891936	-0.790887368	-0.642920040	-1.186663653	-0.740898257	-0.7014402051
## 892189	0.629096080	0.192849571	-0.481255712	-0.861513533	-0.6351844573
## 892214	-0.596016773	-0.434747020	-1.289577276	-0.653787224	-0.6991212539
## 892399	-0.285410850	-0.434747020	1.042132353	-0.616932556	-0.4400612800
## 892438	2.161847283	2.036950379	-0.328050965	0.365858586	0.8111785173
## 892604	-0.141978178	-0.264163848	-0.170183466	0.458553659	0.5044144049
## 89263202	2.442282885	1.988589170	0.307415678	1.219658390	1.4773800615
## 892657	-0.905633505	-0.665122231	0.610827687	-0.899931732	-0.4576190532
## 89296	-0.193416102	-0.382648809	-0.129550903	0.058177950	-0.3208009340
## 893061	-0.447638147	-0.486405584	-0.306069415	-0.117719328	-0.5278501459
## 89344	-0.822046879	-0.545977799	-1.135373368	-0.983748181	-1.0192027716
## 89346	-0.851722605	-0.671519100	0.115909745	-1.150040910	-0.9346273095
## 893526	-0.671195277	-0.438484022	-1.233291184	-1.213531451	-0.9893214293
## 893548	-0.147913323	-0.161066545	-0.963517609	-1.159645459	-0.9627860023
## 893783	-0.869033444	-0.638743390	-0.325386535	-0.914003514	-0.7113785673
## 89382601	-0.451100315	-0.251414075	-0.669431107	-1.086494528	-0.8801650848
## 89382602	-0.257218911	-0.333188482	-0.182173403	0.122952821	-0.0173496090
## 893988	-0.870022635	-0.679234911	-0.971510900	-0.674448174	-0.7242984381
## 894047	-0.318548743	-0.495198531	4.565841519	-0.639268718	-1.0565710133
## 894089	-0.899698360	-0.607748252	-0.703735648	-1.254518309	-0.9697759837
## 894090	-0.706311551	-0.538943442	-0.565518322	-1.100677991	-0.6845449894
## 894326	-0.157805232	0.188233274	-0.739372404	-0.496317279	-0.2588518098
## 894329	0.446590370	-0.354731202	0.933889869	2.257173129	2.3456616365
## 894335	-0.187480957	-0.201733925	0.105252024	-0.820191633	-0.7266505172
## 894604	-0.627670880	-0.388144401	1.148709568	0.958883695	0.2698690577
## 894618	0.495555316	0.758675710	-0.834292736	-0.654345628	-0.1803387486
## 894855	-0.619262758	-0.522456666	-0.376676820	-0.296967031	-0.4264788517
## 895100	0.566777057	0.631397802	-0.518224683	-0.065229347	0.0002081641
## 89511501	-0.448627338	-0.468819690	-0.545535095	-0.630892657	-0.7083970586
## 89511502	-0.643003338	-0.499595004	-0.077261457	-0.891443990	-0.6163015692
## 89524	-0.646960101	-0.360886265	-0.116228751	-0.790596218	-0.8671789582
## 895299	-0.692462880	-0.513663719	-0.770013353	-1.038136736	-1.0173476106
## 8953902	0.199787256	0.089532444	-0.114563482	-0.259553959	0.0194223310
## 895633	0.046957272	0.382117755	1.172023334	0.674656030	0.8777655438
## 896839	-0.117248408	-0.155351129	-0.400323639	0.389311556	0.1741295021
## 896864	-0.198362056	-0.432768607	-0.437625665	0.394895597	0.3987364872
## 897132	-0.448627338	-0.455410445	1.948038679	-0.806231531	-0.9473484131
## 897137	-0.661303368	-0.555430217	-0.474261582	-1.024902560	-1.0243144025
## 897374	-0.824519856	-0.595657950	0.279772213	-0.951863310	-0.8245433845
## 89742801	1.587622001	1.029498477	-0.195162501	-0.419257519	0.4348458698
## 897604	-0.961572247	-0.569938580	-0.602820348	-0.135588258	-0.0253002988
## 897630	0.743347621	1.053239434	0.168865299	0.753391002	0.2400539712
## 897880	-0.538149109	-0.516301603	0.253794017	-0.613582131	-0.4967099444
## 89812	1.778535833	2.720602007	-0.249450270	-0.322095213	0.1300694298
## 89813	-0.093507827	-0.180191205	-0.820637530	0.282097977	0.2155393445
## 898143	-0.710762910	-0.621377320	-0.362022453	0.515510873	0.6090984865
## 89827	-0.747362971	-0.649294927	0.124902198	-0.374585195	-0.1429042511
## 898431	1.141002338	0.600622488	-0.761020901	0.457995255	0.3828351077
## 89864002	-0.252767552	-0.347477021	0.830976246	-0.810140360	-0.5096298152
## 898677	-0.233478331	-0.461785332	3.436789149	1.185595742	-0.1916022257

## 898678	-0.646465506	-0.490582233	0.046301502	-0.810698764	-0.8633692527
## 89869	-0.162751186	-0.247896897	-0.769014192	-0.581753100	-0.4420489525
## 898690	-0.878430757	-0.617420494	0.716072686	-0.945385822	-0.7451689987
## 899147	-0.203308010	-0.300874402	-0.413312737	-0.073047004	-0.7976435509
## 899187	-0.317064957	-0.314503470	-0.152531615	-1.032329334	-0.8594932915
## 899667	0.302168508	0.239232367	0.762034110	2.239862603	2.2406462762
## 899987	2.154428351	2.478795965	-0.223805127	0.946598806	0.3566640873
## 9010018	0.646901515	0.506318132	1.158701182	-0.065229347	0.5706701528
## 901011	0.229462981	-0.252733017	-0.499573671	0.468604932	0.4358397060
## 9010258	0.171100722	-0.282409213	0.936554300	0.942131573	1.0208779591
## 9010259	-0.136537629	-0.412544829	0.255126232	0.772935144	0.6369259006
## 901028	-0.558427521	-0.430790194	-0.467267452	-0.979392630	-0.8825171639
## 9010333	0.697844843	-0.223276645	1.295253238	0.196103752	0.0081588539
## 901034301	0.198303470	-0.216681935	-0.068269004	-0.921151086	-0.2787285341
## 901034302	-0.265627033	-0.264603496	-0.418974652	-1.160650587	-1.0303039221
## 901041	-0.414500254	-0.425514426	-0.513894984	-0.280773313	-0.4619256768
## 9010598	-0.658335796	-0.507288833	-0.477259066	-0.503576532	-0.5500458214
## 9010872	-0.258208102	-0.148536596	0.071946644	-0.414790287	-0.4496683635
## 9010877	-0.905138910	-0.596097597	-0.881586375	-0.724704539	-0.5758855630
## 901088	0.668663713	0.705698205	-0.277426788	-0.358391477	-0.2697840082
## 9011494	2.107936382	1.390668775	0.465616231	1.187270954	0.8992986619
## 9011495	-0.490667949	-0.478491931	-0.402321962	-0.647644779	-0.3940135353
## 9011971	2.407166610	4.039544056	-0.490581218	-0.801764299	-0.3622107763
## 9012000	2.322096198	1.975399750	-1.020136754	0.152548236	0.1280817574
## 9012315	0.052397821	0.113493225	-0.468266614	0.764559083	0.9549534900
## 9012568	-0.755771093	-0.497176944	-0.675759129	-0.593479585	-0.5427576891
## 9012795	-0.227048591	-0.028073222	-0.870928654	0.071021243	0.0820340127
## 901288	0.619698767	0.806377448	-0.276427627	-0.364533922	-0.1684127140
## 9013005	-0.738954849	-0.578951351	-0.936207198	-0.536522371	-0.6693061674
## 901303	-0.750330544	-0.558947396	-0.842952135	-0.410881458	-0.4102461935
## 901315	-0.248810789	-0.727815943	0.485599459	2.845172601	4.0285576307
## 9013579	-0.725106177	-0.558947396	-0.699072895	-0.750949530	-0.8078469361
## 9013594	-0.872990208	-0.637204624	-0.609148370	0.243568097	-0.2472570539
## 9013838	-0.567330239	-0.579171174	0.121238606	1.117470447	0.4633358413
## 901549	-0.522816651	-0.534107321	-0.135212817	-0.430425600	-0.3605543827
## 901836	-0.783963032	-0.629950443	-0.581171851	-0.360066689	-0.4857777460
## 90250	-0.538149109	-0.676794868	-0.665767515	1.123612892	0.3695839582
## 90251	-0.370481262	-0.464643040	-0.108568514	0.646177423	0.5193219482
## 902727	-0.630143857	-0.551253568	-0.922551992	-0.265137999	-0.1197147394
## 90291	0.023711287	-0.161066545	0.423318399	-0.449969743	0.0661326332
## 902975	-0.380373170	-0.447936441	-0.877922783	0.267021067	0.3825038290
## 902976	-0.572276193	-0.378472159	-1.103400204	-0.632567869	-0.3979888802
## 903011	-0.146924133	-0.381769514	1.112073650	2.301287049	2.0813012027
## 90312	1.244867376	0.654259465	1.398499915	0.865071813	1.4177498884
## 90317302	-0.750825139	-0.625553970	-0.452613085	-0.660488072	-0.7751165967
## 903483	0.148843928	-0.252513194	2.923886303	-0.324887234	-1.0565710133
## 903507	0.894693819	0.584135712	0.075943290	0.212297470	0.5905468771
## 903516	0.638987988	0.893647446	-0.608149208	0.657903908	0.5064020774
## 903554	-0.493140926	-0.398256290	0.368031469	-0.511952593	-0.4460242973
## 903811	-0.805725231	-0.608187899	-0.556192816	-0.711861246	-0.6815634808
## 90401601	-0.669216895	-0.462664627	-0.532545996	-0.329912870	0.0379739404
## 90401602	-0.097959186	-0.214703522	-0.539540126	0.518861297	0.4490908555
## 904302	-0.792865750	-0.601373365	-0.926548638	-0.602414050	-0.4138902596
## 904357	-0.317064957	-0.335826366	-0.525551867	-0.326004042	-0.3678425149

## 90439701	0.127081729	0.025783579	0.039307372	0.653436675	0.9857624128
## 904647	-0.601951918	-0.470138632	-0.288417564	-0.750391126	-0.6007314684
## 904689	-0.231994545	-0.442440849	-1.136372529	0.650644655	0.0870031938
## 9047	-0.924180833	-0.636984801	-1.383498446	-0.705160397	-0.5222184073
## 904969	-0.130602484	-0.223936116	0.220155583	-0.948568726	-0.6235897014
## 904971	0.075149210	-0.319999062	0.825314331	-0.231075352	-0.3973263227
## 905189	-0.562384284	-0.406829413	-1.026797830	-0.726938155	-0.4499996422
## 905190	-0.155332255	0.019848339	-0.343038386	1.078940567	0.6577964611
## 90524101	0.096416813	0.208237229	0.063287245	0.125186437	-0.2253926571
## 905501	-0.389275888	-0.319779238	-0.384004003	-0.132796238	-0.3744680897
## 905502	-0.745384589	-0.586425356	-0.549531740	-0.867265095	-0.6712938399
## 905520	-0.753792712	-0.589063240	-0.627133275	-0.900322615	-0.7067406649
## 905539	-0.836884742	-0.737180432	-0.508233069	0.070462839	0.1807550769
## 905557	-0.275024346	-0.259987199	-0.863268416	0.145288983	0.0406241703
## 905680	0.087514096	0.110855341	-0.069934273	-0.625867021	-0.2320182319
## 905686	-0.462970605	-0.457388859	0.950542559	0.282097977	-0.5165866687
## 905978	-0.052951003	-0.333408306	2.564188203	-0.487941218	-0.6037129771
## 90602302	3.243527464	2.993183364	0.385350266	0.748923769	0.4318643611
## 906024	-0.662292559	-0.504870772	-0.303071931	-0.717445286	-0.7559355577
## 906290	-0.444175979	-0.469259337	-0.044289131	-0.895464500	-0.8256034765
## 906539	-0.326462270	-0.440462436	0.078940774	-0.279656505	0.4166255391
## 906564	0.954045270	0.200323576	0.977519916	1.505561267	0.6919181712
## 906616	-0.593049200	-0.537404676	-0.385336218	-0.303109475	-0.1849766510
## 906878	-0.525289628	-0.461125861	-1.019470647	0.145847387	0.1588906801
## 907145	0.861061331	0.069968137	2.007988363	-0.370117962	-0.8571080846
## 907367	-0.831938788	-0.631709033	-0.438624826	-1.104586819	-0.9878638029
## 907409	-0.149397110	-0.430130723	0.107583400	0.736638880	0.6869489902
## 90745	-0.309646025	-0.442660672	-0.165853767	-0.223257695	-0.0657163049
## 90769601	-0.938771398	-0.673387601	-0.385669272	-1.072981150	-0.7452352544
## 90769602	-0.374438025	-0.375834275	0.098590948	-0.767143247	-0.8782436681
## 907914	0.296727958	-0.354951026	-0.025305065	2.046654799	1.5691442722
## 907915	-0.327451461	-0.547516565	0.985513208	0.417231759	0.5537749371
## 908194	0.070203256	0.267149973	0.681435091	0.093357406	0.7807008733
## 908445	0.804677453	1.397263485	0.344051596	0.860046177	0.7061631570
## 908469	-0.620251948	-0.360886265	-0.427967104	-0.492966855	-0.5725727756
## 908489	-0.625197903	-0.472336868	-0.575176882	-0.422607944	-0.3327269686
## 908916	-0.133075461	-0.304171757	-0.376676820	-0.662163284	-0.8224894564
## 909220	-0.109829476	-0.167001784	0.311412324	-0.699576356	-0.5238748010
## 909231	-0.264637842	-0.235366947	-0.401322801	-0.811257168	-0.8640318102
## 909410	-0.623219521	-0.463543921	-0.734043543	-0.906855942	-0.7513639111
## 909411	-0.029705018	-0.487724526	0.507581010	1.167168408	1.0735512786
## 909445	0.206216996	0.396626118	0.355708479	0.982895069	0.5806085149
## 90944601	-0.312119003	-0.241741834	-0.202822738	-0.777194520	-0.8001281415
## 909777	-0.785941414	-0.598295834	1.225311941	-0.679473810	-0.3963324865
## 9110127	-0.467421964	-0.100395211	-0.973842277	-0.551599281	-0.0710167647
## 9110720	-0.495119308	-0.460466390	0.425982830	-0.291941394	-0.2833664365
## 9110732	0.003432875	0.079420555	-0.775009160	-0.297525435	0.1681664848
## 9110944	-0.684549353	-0.452552738	-0.747698749	-0.768818459	-0.4741829901
## 911150	-0.431316498	-0.380230749	-0.963850663	-0.279098101	0.0628198458
## 911157302	0.828912629	0.913431577	-0.524219652	-0.264021191	-0.0014482295
## 9111596	-0.450605720	-0.441781378	-0.062274036	1.962894190	1.1507392248
## 9111805	0.024700478	0.348264909	1.618315421	-0.345548184	0.5690137591
## 9111843	-0.667733109	-0.582028882	0.097591786	0.022998494	-0.0822802419
## 911201	-0.357621781	-0.321757651	-0.302405823	-0.724146135	-0.5215558498

## 911202	-0.865571276	-0.593899361	-1.050111596	-0.945888386	-0.6404849171
## 9112085	-0.286400041	-0.250754604	-0.399657532	-0.726938155	-0.7936682061
## 9112366	-0.354159613	-0.378252336	0.939218730	-0.072488600	0.3596455960
## 9112367	-0.767641383	-0.500254475	-0.423970459	-0.971407452	-0.5563401174
## 9112594	-0.597995155	-0.420898129	-0.328717073	-0.921597810	-0.8683715617
## 9112712	-0.802757658	-0.638743390	-0.150866346	-0.713536458	-0.5762168418
## 911296201	1.575257116	1.645664238	0.565865424	-0.183611007	-0.1551615645
## 911296202	7.806664798	11.032135149	0.202836786	1.578153795	1.6118792295
## 9113156	-0.563373475	-0.435626315	-0.561188623	-0.485149198	-0.4036206187
## 911320501	-0.773081933	-0.603351779	-0.110566836	-0.472864309	-0.3675112362
## 911320502	-0.806219826	-0.515422309	-0.357026646	-0.589012353	-0.5384510655
## 9113239	0.248752202	-0.363304326	-0.703402594	2.294586201	1.4886435386
## 9113455	-0.274035155	-0.284387627	0.084602688	0.352456888	0.4722803673
## 9113514	-0.292335186	-0.425514426	1.311905928	-0.720795710	-0.7150226334
## 9113538	1.451608261	1.419245853	-0.091582770	2.500078894	1.1268871556
## 911366	0.079600569	-0.274495561	2.514230133	0.367533798	0.5869028110
## 9113778	-0.146924133	-0.387045283	0.153211770	-0.312043940	-0.1574805156
## 9113816	0.609806858	0.101622746	0.158540631	-0.554391301	-0.5712476607
## 911384	-0.514408529	-0.374295509	-1.255605789	-0.434334429	-0.2913171262
## 9113846	0.008873424	-0.114463926	0.099257055	-0.962417146	-1.0565710133
## 911391	-0.774071124	-0.675739715	-0.854942071	0.304434139	-0.1432355299
## 911408	-0.826498238	-0.630829738	-0.722053607	-0.419815923	0.0426118427
## 911654	-0.057896957	-0.205031280	-0.977172815	0.413322931	-0.1220336906
## 911673	-0.729062941	-0.578291880	-1.243282798	-0.688408275	-0.7284725502
## 911685	-0.642508742	-0.571477346	-0.694077088	-0.242243433	0.3202234260
## 911916	0.100868172	-0.158648485	0.718071009	1.631760584	1.6198299193
## 912193	-0.587608651	-0.529271200	-0.709397562	-0.492408451	-0.5937746149
## 91227	-0.400651583	-0.262185435	-1.111393495	-0.818516421	-0.5497145426
## 912519	-0.872495612	-0.604450897	-0.862935363	-0.611906919	-0.6146451755
## 912558	-0.643992529	-0.432988431	-1.264265187	-0.965600049	-0.4940597145
## 912600	-0.852217200	-0.581809058	-0.335378149	-0.406414226	0.0485748600
## 913063	1.057415712	-0.223056821	0.064286407	2.749127104	2.6338741394
## 913102	-0.689989903	-0.447496793	-1.167679586	-0.644852759	-0.4602692831
## 913505	0.378336202	0.602381077	-0.583836281	0.159249084	0.3533513000
## 913512	-0.154343064	-0.280650624	0.651793304	-0.701251568	-0.4433740674
## 913535	-0.539632895	-0.382209162	-1.456770282	-0.615257344	-0.5851613677
## 91376701	-0.637562788	-0.490142586	-0.647782610	-0.749832721	-0.7448377199
## 91376702	0.146865546	0.233297127	-0.889912720	-0.960686094	-0.6746066273
## 914062	1.230029513	1.085993162	0.318406453	0.084981345	0.1814176344
## 914101	-0.374932621	-0.345938255	1.115404188	-0.862630341	-0.8440225744
## 914102	-0.267110819	-0.313624175	0.253460963	-0.276864485	-0.6123262243
## 914333	-0.628165475	-0.406609590	-0.541538449	-0.657137648	-0.3433278882
## 914366	-0.578705933	-0.482228934	-0.445285902	-0.025582659	-0.1833202573
## 914580	-0.797811704	-0.624894499	-1.080752545	-0.657137648	-0.6106698306
## 914769	0.981742613	1.218546838	0.310746216	0.372001030	0.4126501942
## 91485	0.662728568	0.763951478	-0.124888150	0.135796114	0.2890832246
## 914862	-0.277991919	-0.120838813	-0.971843954	-0.406972630	-0.3953386503
## 91504	0.053387012	-0.028293045	0.878935993	0.730496435	0.0949538835
## 91505	-0.643003338	-0.480250521	0.886263176	-0.547690453	-0.2035282604
## 915143	3.347887097	3.074518123	-0.428966266	0.451294406	0.2605932530
## 915186	0.073170829	-0.446177851	0.913240534	1.113561619	0.0972728347
## 915276	-0.533697750	-0.498276062	4.905556391	1.306769423	0.6624343635
## 91544001	-0.930017059	-0.610166312	-0.256111345	-0.195337492	0.2572804656
## 91544002	-0.765663002	-0.616321375	1.858114154	-0.111576884	-0.4602692831

## 915452	-0.850733414	-0.432328960	0.117575014	-0.750949530	-0.2383125280
## 915460	0.035086981	-0.171837905	0.831642354	1.335806434	0.9373957169
## 91550	-0.752308925	-0.600054423	-0.019643150	0.764000679	0.2741756813
## 915664	-0.588103246	-0.431229841	-0.110899890	-0.754299954	-0.5656159221
## 915691	0.112243867	-0.146558182	-0.541871503	-0.157924420	0.0870031938
## 915940	-0.150880896	-0.070938838	-0.695409303	-0.410881458	-0.0511400404
## 91594602	-0.116753812	-0.040603171	-0.695742357	-0.512510997	-0.0736669947
## 916221	-0.680097994	-0.486845231	0.511577655	-0.506368552	-0.3612169401
## 916799	0.174068294	0.594027778	-0.288084510	-0.374585195	-0.0915560466
## 916838	0.389711897	0.425642843	-0.650113987	-0.136705066	-0.0455083018
## 917062	0.153295287	-0.131170525	-0.588832088	-0.122186561	-0.5911243850
## 917080	-0.183524194	-0.257569138	0.155876201	-0.551040877	-0.4016329463
## 917092	-0.236445903	-0.455190622	2.803986936	-0.004363305	-0.3287516237
## 91762702	2.069357939	2.188628714	-0.683419366	0.370884222	0.1264253637
## 91789	-0.932242739	-0.681565042	-0.946198812	-1.093251217	-0.9291612103
## 917896	-0.287883827	-0.305270876	-0.100575223	-0.165742077	-0.3655235637
## 917897	-0.440219216	-0.551693215	0.563200994	-0.282448525	-0.7047529925
## 91805	-0.888817261	-0.727244402	0.285101074	-0.438801661	-0.4599380044
## 91813701	-0.703838574	-0.533447850	-0.875258353	-0.616932556	-0.5566713962
## 91813702	-1.036008858	-0.689852395	-1.119053732	-0.910708930	-0.7672984184
## 918192	0.605850095	0.096786625	0.998835359	0.390428364	0.5213096206
## 918465	-0.569803216	-0.479151402	0.095260410	-0.778869732	-0.4609318406
## 91858	0.139941210	-0.212725109	-0.151199400	-0.409206246	-0.4811398437
## 91903901	-0.728568345	-0.549494978	-0.596159272	-0.458345803	-0.4470181335
## 91903902	-0.738460254	-0.507508656	-1.070094824	-1.019095158	-0.8220919219
## 91930402	1.138529361	1.320325199	-0.700405110	0.302200523	0.2993528655
## 919537	-0.841336101	-0.664902407	0.819319363	0.463579296	0.4013867171
## 919555	0.910026277	1.042907722	-0.820304477	0.038075404	0.2702003365
## 91979701	-0.480281445	-0.479151402	-0.309066899	0.019648070	0.4822187294
## 919812	-0.350202850	-0.426173897	1.944708141	0.528912570	-0.4387361651
## 921092	-0.185007980	-0.465961982	1.871436306	-0.881504398	-1.0565710133
## 921362	-0.702849383	-0.628851325	2.807317474	2.182905389	2.0084198801
## 921385	-0.612338422	-0.428152310	1.701578870	0.873447874	0.7830198245
## 921386	-0.124172743	-0.378691983	0.032313242	1.175544469	0.2118952784
## 921644	-0.340805537	-0.284167803	-0.754692879	-0.768260055	-0.4115713085
## 922296	-0.656357414	-0.494319236	-0.688748227	-0.656579244	-0.5603154623
## 922297	-0.390759674	-0.378472159	-0.247451947	-0.209855998	-0.1902771108
## 922576	-0.395705628	-0.199975335	-0.390665079	-0.250619494	-0.3870566818
## 922577	-0.746868376	-0.601593189	0.014994445	-1.018034190	-0.7213169295
## 922840	-0.928533273	-0.725661671	1.075437733	0.299408503	-0.1909396683
## 923169	-0.401640773	-0.485746113	0.132895489	-0.795621854	-0.2823726002
## 923465	0.345198309	-0.161286369	0.406998763	-0.378494023	-0.6335280636
## 923748	-0.371470453	-0.432328960	0.845297559	-0.806231531	-1.0565710133
## 923780	-0.431316498	-0.494319236	-1.181001738	0.280981169	0.0846842426
## 924084	-0.687022330	-0.474315281	0.597505535	-0.734197408	-0.6166328479
## 924342	-0.368502880	-0.494099412	1.298583776	-0.398596569	0.2672188278
## 924632	-0.674657445	-0.516741251	0.456623779	-0.220465675	0.2347535114
## 924934	-0.706806147	-0.568839462	1.668273490	0.105083891	0.5348920489
## 924964	-0.602446513	-0.517400722	1.954699755	-0.181935795	-0.9182952677
## 925236	0.371906462	-0.246797778	1.515068744	-0.795063450	-1.0565710133
## 925277	-0.317559552	-0.457169035	-0.932210552	1.167726812	1.1225805320
## 925291	-0.460003033	-0.513663719	0.386016374	0.242451289	0.8443063912
## 925292	0.010851806	-0.230750650	0.071613590	0.072696455	-0.3704927448
## 925311	-0.408070514	-0.385286693	0.184185773	-0.926958489	-1.0565710133

##	925622	-0.249305384	-0.388803872	-0.804650948	1.282199644	1.3813092272
##	926125	2.914126915	1.724800761	-0.213813513	0.984011877	1.5423106943
##	926424	2.377490885	2.601897223	1.085429346	0.191636520	0.6654158721
##	926682	1.155840201	1.290429179	-0.423637405	-0.069696579	0.2519800058
##	926954	0.276449546	0.180539446	-0.379008196	0.660695928	0.5103774223
##	927241	1.437264994	1.008615228	-0.172847896	2.015942576	1.3011397723
##	92751	-0.157310636	-0.465742158	0.049298986	-1.162493320	-1.0565710133
##		concave.points_se	symmetry_se	fractal_dimension_se	radius_worst	
##	842302	0.660239001	1.147746771	0.9062856452	1.885030997	
##	842517	0.259933354	-0.804742292	-0.0993563172	1.804339810	
##	84300903	1.423574870	0.236827152	0.2933013299	1.510541129	
##	84348301	1.114026779	4.728519774	2.0457108675	-0.281217023	
##	84358402	1.143198850	-0.360774828	0.4988891643	1.297433635	
##	843786	-0.069062786	0.134000901	0.4864178435	-0.165352754	
##	844359	-0.227888508	-0.828936704	-0.6106804717	1.367779798	
##	84458202	0.434965782	-0.687399393	0.6111310519	0.163619008	
##	844981	0.075176901	0.107387047	-0.0173479347	-0.161214745	
##	84501001	0.409035052	-0.320854048	2.3752560728	-0.243974936	
##	845636	-0.681514219	-0.718852129	-0.2845365358	0.604317029	
##	84610002	0.165934457	-0.055925235	0.1319299966	0.858804619	
##	846226	4.716777604	2.939342993	3.4183119977	0.970530878	
##	846381	1.316610608	1.121132918	-0.2996532883	0.118100903	
##	84667401	0.726686497	-0.112782104	1.6243313906	-0.256388965	
##	84799002	-0.145234306	-0.238593047	0.6315386678	0.246379200	
##	848406	-0.114441564	-0.779338159	-0.6462048402	0.579488972	
##	84862001	0.190244516	-0.441826109	0.1311741589	0.970530878	
##	849014	0.553274739	-0.844663072	-0.6794616958	2.286417927	
##	8510426	0.219416588	-0.089797412	-0.5649522953	-0.239836927	
##	8510653	-0.859950056	-0.455133036	-0.5177124436	-0.366046219	
##	8510824	0.391207675	-0.032940543	-0.3125025280	-1.249511266	
##	8511133	1.737984974	1.957049858	0.2264096999	0.372588492	
##	851509	-0.229509179	-1.174916798	-0.6832408839	2.669183813	
##	852552	-0.080407480	-0.709174364	-0.3756149698	2.108483514	
##	852631	1.972982216	0.306990948	1.3790620807	1.237432496	
##	852763	0.279381401	-0.726110452	-0.0317088496	0.279483277	
##	852781	1.185336287	0.288845139	0.1595180699	1.042946046	
##	852973	-0.156579000	-0.346258181	-0.3128804468	0.827769547	
##	853201	0.282622742	-0.156332045	-0.0199933664	0.773975422	
##	853401	-0.035028702	-0.057134956	0.2891442229	1.423642928	
##	853612	-0.219785155	0.264650726	0.7075003493	0.113962893	
##	85382601	-0.109579552	0.057788502	0.0223335407	0.953978839	
##	854002	-0.348952605	-0.618445318	0.0382061308	1.630543407	
##	854039	-0.442303233	-0.424890021	0.0083505446	0.815355518	
##	854253	0.024936111	0.888866561	-0.4270119284	0.773975422	
##	854268	-0.030166690	-0.031730823	0.0858239013	-0.078454553	
##	854941	-0.025304679	0.746119529	-0.7626038347	-0.614326794	
##	855133	1.195060311	-1.531542434	-0.7712959674	-0.264664984	
##	855138	0.133521044	-0.819258939	-0.2297383079	-0.152938725	
##	855167	-0.796581834	-0.815629777	-0.9481619721	-0.070178534	
##	855563	-0.231129849	-0.843453351	-0.2852923734	-0.709501015	
##	855625	2.363563840	3.966395790	1.4554016810	1.618129378	
##	856106	-0.362404171	-0.405534491	-0.1806088621	0.229827162	
##	85638502	-0.801119712	-1.138625180	-0.7841452071	-0.008108390	
##	857010	0.835271429	0.452157421	-0.0982225608	1.355365769	

## 85713702	-0.952814484	0.628776630	-0.4583791899	-1.511447273
## 85715	0.057349524	-0.376501196	-0.0574073289	-0.123972658
## 857155	-0.994465719	-0.757563188	-0.5188462001	-0.519152574
## 857156	0.007108734	-0.499892698	-0.6949563671	-0.231560908
## 857343	-0.705176010	0.425543567	-0.7656271852	-0.680534948
## 857373	-0.622359741	-0.882164411	-0.4700946732	-0.330873138
## 857374	-0.615228790	-0.070441882	-0.4383494928	-0.655706890
## 857392	-0.417182838	0.749748691	0.5030462713	0.896046705
## 857438	-0.417182838	-1.160400151	-0.8185358191	0.378795507
## 85759902	-0.506643858	1.407836702	-0.5324512774	-0.709501015
## 857637	0.580826140	-0.244641650	-0.4485533008	2.042275361
## 857793	0.149727750	-0.286981871	0.1183249193	0.331208396
## 857810	-1.236431845	0.164243916	-0.3041883141	-0.421909349
## 858477	-0.981176220	0.043271855	-0.3805279144	-1.399100313
## 858970	-0.583949847	2.575217090	0.8155851300	-1.086059887
## 858981	-0.411186357	1.575987867	-0.2822690229	-1.387100085
## 858986	1.083234037	-0.428519183	0.8760521401	0.289828301
## 859196	0.616480894	2.586104575	0.7660777654	-1.295029372
## 85922302	0.178899822	-0.507151022	-0.0732799191	0.169826022
## 859283	0.007108734	-0.186575061	-0.2157553118	0.215344128
## 859464	-0.399193394	0.271909050	0.1670764462	-1.212269180
## 859465	-0.458834074	0.155775872	-0.6231517926	-0.815020259
## 859471	3.472102555	2.592153178	2.1783603710	-1.232959228
## 859487	-0.507940394	0.241666035	-0.7138523078	-0.581222718
## 859575	0.308553473	-0.808371454	-0.7924594210	1.777442747
## 859711	0.950339045	0.588855850	6.8535940113	-1.352340804
## 859717	-0.085269492	-0.637800848	0.9463450394	1.458816009
## 859983	-0.419775911	-1.009185075	-0.2512796802	0.062237773
## 8610175	-0.620901137	-0.808371454	-0.5634406201	-0.446737406
## 8610404	1.020027882	-0.609977274	-0.6979797176	0.724319307
## 8610629	-0.576494762	0.626357189	0.8953259996	-0.452944420
## 8610637	1.443022918	0.649341880	1.2316737435	1.266398563
## 8610862	2.290633661	7.065699990	0.8284343696	1.469161033
## 8610908	-0.586218786	-0.370452593	-0.3578527856	-0.419840344
## 861103	-0.695289920	-0.288191592	0.0684396359	-0.653637885
## 8611161	0.329622191	0.096499562	0.3053947319	-0.152938725
## 8611555	1.378196093	-1.196691769	0.7929100012	2.840911211
## 8611792	1.075130684	1.211861963	2.4924109049	0.840183576
## 8612080	-0.772920043	-0.099475177	-0.4489312196	-0.537773617
## 8612399	0.389587004	0.381993626	-0.0150804219	1.378124822
## 86135501	0.942235691	0.440060215	-0.2063073414	-0.012246399
## 86135502	0.033039464	-0.109152942	-0.1730504858	1.715372604
## 861597	0.183761834	-0.116411265	0.2524860980	-0.504669540
## 861598	0.718583144	0.450947700	0.3953394095	0.014650663
## 861648	-0.517016150	0.037223252	-0.3408464390	-0.032936447
## 861799	0.945477033	0.504175407	-0.6246634678	0.033271706
## 861853	-0.158199671	-1.191852887	-0.8918520689	0.018788673
## 862009	-0.393845181	-0.205930590	-0.7474870822	-0.241905931
## 862028	1.088096049	-0.672882746	-0.1038913430	0.405692569
## 86208	0.144865738	0.729183440	0.2328343197	1.645026441
## 86211	0.550033397	0.200535534	-0.1462182501	-0.711570020
## 862261	-1.060913215	-0.306337401	0.7075003493	-1.106749935
## 862485	-0.796095633	-0.487795492	-0.4700946732	-0.663982909
## 862548	0.396069687	-0.716432687	0.2483289911	0.012581658

## 862717	-0.303897961	-0.712803526	-0.5441667606	0.149135975
## 862722	-1.911765299	0.731602882	0.1153015688	-1.725382369
## 862965	-0.810195468	-0.734578497	-0.8551939440	-0.606050775
## 862980	-0.109579552	-0.538603758	-0.0849954023	-1.139854012
## 862989	-0.515719613	0.793298633	-0.1299677411	-0.978471638
## 863030	0.337725544	-0.613606436	1.2483021713	0.008443649
## 863031	0.353932250	-0.591831465	0.0170426773	-0.647430871
## 863270	-1.010996560	-0.971683736	-0.9217076551	-0.616395799
## 86355	2.107497879	1.279606317	0.4694114969	2.509870444
## 864018	-0.868863745	-0.588202303	-0.4980606654	-0.674327933
## 864033	-0.253819238	1.484049100	0.3186218904	-1.079852873
## 86408	1.807673811	0.108596768	0.7921541635	-0.608119780
## 86409	1.802811799	0.619098865	3.4712206316	-0.200525836
## 864292	0.590550163	0.281586815	1.1326590144	-1.057093820
## 864496	-0.226267837	-0.418841418	0.0041934376	-1.374065355
## 864685	-0.662066172	-0.939021279	0.0230893783	-0.537773617
## 864726	1.828742530	0.398929714	0.6825577076	-1.418342057
## 864729	0.148107080	-0.547071802	0.0336711051	0.525694847
## 864877	0.340966885	-0.676511907	0.8273006132	0.811217509
## 865128	-0.313297851	3.580494916	-0.7153639830	0.891908696
## 865137	-0.864812068	-0.859179719	-0.6004766638	-0.713639025
## 86517	0.682928390	-0.011165572	0.2929234111	1.237432496
## 865423	1.041096600	3.015555391	2.2977827160	2.017447303
## 865432	0.033039464	-0.174477855	-0.3729695381	-0.117765644
## 865468	-0.229509179	-1.023701722	0.1062315172	-0.415702334
## 86561	-1.131574455	-0.976522618	-0.7886802328	-0.161214745
## 866083	-0.796743901	-0.884583852	-0.8805145045	0.128445927
## 866203	0.293967437	-0.029311382	-0.4190756334	1.251915530
## 866458	1.747708998	0.361428375	0.4493817998	-0.032936447
## 866674	-0.221405826	-0.576105097	-0.2157553118	1.316054678
## 866714	-0.599994486	0.735232043	0.1315520777	-0.606050775
## 8670	-0.140372294	-0.795064527	-0.5041073664	0.618800063
## 86730502	-0.415724235	-0.628123083	-0.5373642219	0.662249163
## 867387	0.143245068	-0.466020521	-0.5536147309	0.254655219
## 867739	-0.429175801	-0.680141069	-0.6008545826	1.293295626
## 868202	-0.466127092	-0.492634375	-0.4406170057	-0.368115224
## 868223	0.206451223	-0.841033910	-0.0332205249	-0.608119780
## 868682	-0.517664418	-0.669253584	-0.8340304904	-0.817089264
## 868826	2.627733153	3.766791889	-0.3431139519	0.471900722
## 868871	1.272852501	-0.573685656	-0.1333690104	-0.899849456
## 868999	-1.911765299	0.269489609	-0.2172669870	-1.168820079
## 869104	-0.020442667	-0.216818076	-0.1363923609	0.755354379
## 869218	-0.368886853	0.275538212	-0.1016238301	-0.721915044
## 869224	-0.682648689	0.060207944	-0.7210327652	-0.370184229
## 869254	-1.002244938	-0.463601080	-0.5422771665	-0.893642442
## 869476	-0.112820893	1.297752127	2.1269634124	-0.645361866
## 869691	1.075130684	4.323263370	0.3174881339	-0.523290583
## 86973701	0.562998763	1.574778146	2.1061778776	-0.003970380
## 86973702	0.507895961	-0.726110452	-0.4787868059	-0.086730572
## 869931	-0.967238452	-0.877325528	-0.6873979909	-0.192249816
## 871001501	-0.043132056	1.084841299	-0.8548160252	-0.436392382
## 871001502	-0.255439909	0.308200668	3.0177180555	-1.484964012
## 8710441	6.643754990	1.804625062	9.8429318251	-1.086059887
## 87106	-0.577629231	0.403768596	-0.8223150072	-0.885366422

## 8711002	-0.366293780	0.864672149	-0.1193860143	-0.310183090
## 8711003	-0.627545887	-0.308756842	-0.4954152337	-0.554325655
## 8711202	1.071889342	-0.334160975	0.4433350988	0.869149643
## 8711216	-0.112820893	-0.646268892	-0.8601068886	0.403623564
## 871122	-0.895118609	-0.712803526	-0.4780309682	-0.647430871
## 871149	-1.332213480	-0.504731581	-0.4270119284	-0.808813245
## 8711561	-0.044752726	1.624376691	0.4784815484	-0.610188785
## 8711803	2.616388459	1.332834024	-0.1636025155	1.191914391
## 871201	0.199968540	-0.445455271	-0.1802309433	2.164346644
## 8712064	-0.072304127	-0.211979193	0.5869442479	-0.556394660
## 8712289	0.718583144	-0.118830707	-0.0207492041	2.429179257
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## 87127	-1.045678911	-0.968054574	-0.6329776817	-0.966057609
## 8712729	0.687790402	0.044481576	-0.1140951510	0.782251441
## 8712766	0.631066929	-1.099914120	0.5007787584	1.421573923
## 8712853	-0.441330831	-0.851921396	-0.7894360705	-0.032936447
## 87139402	0.099486961	-0.157541766	-0.5846040736	-0.572946699
## 87163	-0.381366017	-0.646268892	-0.7282132227	0.353967449
## 87164	0.227519941	-0.317224886	0.1410000481	0.521556837
## 871641	0.653756318	1.243314699	0.3741759559	-1.017782729
## 871642	-1.911765299	1.464693571	-1.0554909151	-0.978471638
## 872113	-1.911765299	0.794508353	-0.1496195194	-1.449790930
## 872608	2.075084466	2.208671745	5.3381395697	-1.036403772
## 87281702	1.026510565	-0.450294153	0.2982142744	0.314656358
## 873357	-1.611617097	-0.533764875	-1.0682267791	-0.469496459
## 873586	-0.711172492	-1.196691769	-0.1677596225	-0.546049636
## 873592	0.099486961	-0.579734259	-0.3960225857	3.486440707
## 873593	0.627825588	-0.309966563	0.5669145508	2.154001620
## 873701	-0.328856289	-0.613606436	-0.5158228496	0.794665470
## 873843	0.862822830	0.134000901	0.3737980371	-0.806744240
## 873885	-0.937904314	-1.067251664	-0.4610246216	0.316725363
## 874158	-1.522156078	0.585226688	-0.1227872837	-0.910194480
## 874217	-0.822836699	-1.191852887	-1.0233678159	1.042946046
## 874373	0.008729405	-0.190204223	-0.8026632289	-0.674327933
## 874662	-0.900466822	1.312268774	-0.6828629651	-0.765364144
## 874839	-0.869187879	-0.035359985	-0.7822556130	-0.603981770
## 874858	0.788271981	3.700257256	2.9950429267	-0.109489625
## 875093	0.935753009	1.595343396	0.7861074625	-0.521221579
## 875099	-1.911765299	2.110684376	-0.7962386091	-1.303719192
## 875263	0.229140611	-0.213188914	0.7093899434	-0.128110668
## 87556202	1.139957509	0.593694732	0.1954203572	-0.039143462
## 875878	-0.547160623	-0.243431929	-0.6208842797	-0.494324516
## 875938	1.426816212	0.767894500	0.1931528443	0.024995687
## 877159	0.428483100	0.103757885	0.4690335781	0.722250302
## 877486	0.067073548	-0.773289556	-0.1503753570	1.467092028
## 877500	-0.728189534	-0.643849451	-0.6873979909	0.426382617
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## 877989	0.268036707	-0.556749567	-0.4296573601	0.858804619
## 878796	2.083187819	0.146098107	0.5291226694	1.831236872
## 87880	0.180520492	-0.068022441	0.2687366070	0.606386034
## 87930	-0.231129849	-0.329322093	-0.0789487013	-0.268802994
## 879523	-0.573091354	-0.642639730	-0.3453814647	0.310518348
## 879804	-0.691886511	0.188438328	-0.4999502594	-1.210200175
## 879830	-0.091752175	0.290054859	-0.4587571088	0.730526322

## 8810158	-0.565960403	0.556193393	0.1523376125	-0.355701195
## 8810436	-0.716844839	-1.331091729	-0.8083320111	0.229827162
## 881046502	2.569389010	1.357028436	-0.5403875724	1.442263971
## 8810528	-0.818298821	-0.530135714	-0.3298867934	-0.614326794
## 8810703	0.368518286	3.301049455	0.2573990426	2.449869305
## 881094802	4.452608290	0.146098107	3.3124947300	0.372588492
## 8810955	0.725065826	2.957488802	0.3677513361	0.122238912
## 8810987	0.413897064	-0.139395957	0.2891442229	-0.107420620
## 8811523	0.981131787	0.893705443	0.3703967678	-0.624671818
## 8811779	-0.176027048	0.611840541	0.3091739200	-0.990885667
## 8811842	0.862822830	-0.190204223	0.0945160340	1.957446164
## 88119002	-0.164682353	-0.873696367	-0.5815807231	2.406420205
## 8812816	-0.832560723	-0.826517263	-0.4005576115	-0.192249816
## 8812818	-0.556884647	-0.256738856	-0.3313984686	-0.266733989
## 8812844	-0.676166006	0.704989028	-0.0128129090	-1.055024815
## 8812877	-0.511992071	-0.341419299	-0.2509017614	0.680870207
## 8813129	-0.443923904	-0.692238275	-0.4908802079	-0.233629912
## 88143502	0.172417139	0.256182682	-0.8812703421	0.103617869
## 88147101	-1.105967859	-0.668043863	-0.3680565935	-0.982609648
## 88147102	-0.039890714	-0.802322851	-0.2233136880	0.029133697
## 88147202	-0.503240449	-0.833775587	-0.1465961689	-0.428116363
## 881861	0.517619985	-0.452713595	0.6886044087	-0.221215884
## 881972	0.331242862	-1.061203061	-0.5513472180	0.687077221
## 88199202	-1.405305725	-0.625703642	-0.6586761610	-0.866745379
## 88203002	-1.357658009	-0.167219531	-0.4765192930	-0.808813245
## 88206102	-0.143613635	-0.914826867	-0.3431139519	1.696751560
## 882488	-0.352193946	0.397719993	-0.0963329667	-1.191579132
## 88249602	-0.284611980	-0.957167089	-0.3287530370	-0.194318821
## 88299702	0.869305513	-0.561588449	-0.2803794288	3.049880696
## 883263	0.796375334	-0.862808881	0.0521891269	1.645026441
## 883270	-0.273267286	-1.051525296	-0.0778149449	-0.107420620
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## 88350402	-0.124165587	-0.188994502	-0.7561792149	-0.293631051
## 883539	-1.302069006	-0.404324770	-0.9201959799	-0.635016842
## 883852	0.217795917	-0.071651603	1.8442801400	-0.763295140
## 88411702	-0.279749968	0.657809924	-0.2675301892	-0.260526975
## 884180	0.614860223	0.159405033	0.0582358279	1.113292208
## 884437	-0.075545468	1.719944619	-0.0887745905	-0.990885667
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## 884626	0.308553473	-0.953537927	1.4210110690	-0.388805272
## 88466802	-0.899656487	0.125532856	-0.4443961939	-0.831572298
## 884689	-0.281370639	-0.456342757	-0.3820395896	-0.748812106
## 884948	1.109164767	0.419494964	0.4561843384	1.926411092
## 88518501	-0.424799990	0.287635418	-0.8820261797	-0.682603953
## 885429	1.282576525	-0.710384084	1.3091471002	1.864340949
## 8860702	0.133521044	-0.798693689	-0.5415213289	0.740871346
## 886226	0.141624397	-0.833775587	-0.4704725920	1.951239150
## 886452	0.263174695	0.009399678	-0.4156743640	0.024995687
## 88649001	0.550033397	-0.143025119	0.5506640418	1.816753838
## 886776	1.535401144	-0.205930590	1.8386113578	0.302242329
## 887181	2.989142705	0.342072845	0.8492199043	0.740871346
## 88725602	-0.255439909	-1.281735128	-0.1647362719	0.459486694
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## 888264	-0.668548854	-0.778128439	-0.8378096786	0.740871346

## 888570	1.571055898	0.838058295	0.7721244664	0.852597604
## 889403	-1.073230312	-1.259597241	-0.9258647621	0.339484416
## 889719	-0.311353046	-1.101123841	-0.8389434350	1.098809175
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## 8910251	0.300450119	1.753816796	-0.1802309433	-0.908125475
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## 8910506	-0.885880786	0.651761321	-0.6189946856	-0.490186507
## 8910720	0.916304961	0.815073604	1.4417966037	-0.947436566
## 8910721	-1.327027334	-0.626913362	-0.9122596848	-0.281217023
## 8910748	-0.477633853	-0.438196947	-0.3695682688	-0.817089264
## 8910988	0.618101564	-0.157541766	0.3095518388	2.466421344
## 8910996	-0.376666072	-0.309966563	0.1761464977	-1.141923017
## 8911163	-0.530629783	-0.768450674	-0.3945109105	0.962254859
## 8911164	1.183715616	0.754587573	-0.2996532883	-0.800537226
## 8911230	-1.371595776	0.367476978	-0.8192916567	-0.841917322
## 8911670	0.459275842	-0.150283442	-0.8007736349	0.763630398
## 8911800	-1.094299030	-0.859179719	-1.0086289822	-0.159145740
## 8911834	-0.221405826	-0.636591127	-0.8321408964	-0.266733989
## 8912049	0.183761834	-0.749095144	-0.1318573352	1.541576201
## 8912055	1.079992696	1.048549681	-0.6764383453	-0.612257790
## 89122	0.517619985	-0.521667669	-0.6915550978	1.556059234
## 8912280	0.047625500	-0.805952013	0.1081211113	0.471900722
## 8912284	0.963304410	-0.213188914	-0.0373776318	-0.490186507
## 8912521	-1.437881205	0.625147468	-0.6726591571	-0.572946699
## 8912909	0.734789850	-0.220447238	1.5948537231	-0.626740823
## 8913	-0.954759288	-0.526506552	-0.6477165154	-0.548118641
## 8913049	3.739513210	1.649780824	1.0287313407	-0.912263485
## 89143601	-0.303411760	1.647361383	-0.3276192805	-0.808813245
## 89143602	2.579113034	2.446986705	7.2050585078	-0.103282610
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## 891670	-0.077166139	0.690472381	0.3518787459	-0.523290583
## 891703	-0.521554027	-0.317224886	-0.7599584030	-0.663982909
## 891716	-0.618794266	-0.822888101	-0.9081025779	-0.572946699
## 891923	-0.805009322	0.120693974	-0.7531558644	-0.330873138
## 891936	-0.389469371	1.072744093	-0.1386598738	-1.013644720
## 892189	0.409035052	-0.579734259	-0.3918654788	-0.601912766
## 892214	-1.062047685	-1.150722386	-0.6945784483	-0.010177395
## 892399	0.114072996	1.705427972	-0.6892875849	-1.104680931
## 892438	0.896856914	-0.205930590	0.3749317936	1.998826260
## 892604	0.362035604	0.829590251	0.3235348349	-0.581222718
## 89263202	1.225853053	0.824751368	0.8061371596	1.533300182
## 892657	-0.420910381	-0.318434607	-0.1806088621	-1.077783868
## 89296	-0.646507733	-0.193833384	-0.1450844937	-0.742605092
## 893061	-0.777619988	1.378803407	-0.5985870697	-0.792261207
## 89344	-1.525073285	-0.859179719	-0.4572454335	-0.384667262
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## 893526	-1.386343879	-0.694657716	-0.8423447043	-0.268802994
## 893548	-1.130439985	-0.764821512	-0.5751561033	-0.318459109
## 893783	-0.673897067	0.356589493	-0.8064424171	-0.757088125
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## 89382602	-0.179268389	-0.391017844	0.2256538623	-0.430185368
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## 894047	-1.911765299	4.949898645	1.1432407412	-1.513930079
## 894089	-1.362357954	-0.799903409	-0.9262426809	-0.606050775

## 894090	-1.093164561	-0.093426574	-1.0750671096	-0.707432010
## 894326	-0.059338762	-0.942650441	-0.5078865545	1.152603300
## 894329	2.183669399	1.738090428	1.5427009269	-1.284684348
## 894335	-0.096614187	1.667926633	-0.3151479597	-0.697086986
## 894604	0.590550163	0.804186118	1.4365057403	-1.032265763
## 894618	0.109210984	0.167873078	-0.8336525716	1.405021884
## 894855	-0.273267286	-1.030960046	-0.2599718129	-0.461220440
## 895100	0.306932802	0.863462428	-0.1700271353	1.868478958
## 89511501	-1.078416458	-0.872486646	-0.6537632165	-0.521221579
## 89511502	-0.862543129	0.003351075	-0.7599584030	-0.529497598
## 89524	-0.837746869	-0.772079835	-0.4984385842	-0.152938725
## 895299	-1.271438331	-0.711593805	-0.7709180486	-0.661913905
## 8953902	0.344208227	-0.626913362	-0.3801499956	0.622938072
## 895633	0.010350075	2.380452072	0.9040181323	0.302242329
## 896839	0.452793159	-0.710384084	-0.2546809495	0.515349823
## 896864	-0.321725338	0.842897178	0.2936792487	-0.382598257
## 897132	-1.106778194	2.647800326	-0.6923109354	-0.887435427
## 897137	-1.435126065	-0.428519183	-0.6669903749	-0.726053053
## 897374	-0.854763910	-0.139395957	-0.5944299628	-0.603981770
## 89742801	0.914684291	-0.272465224	-0.0233946357	0.976737892
## 897604	-0.726244729	-0.502312140	0.7203495890	-0.527428593
## 897630	1.031372576	0.137630063	0.2456835594	1.711234594
## 897880	-0.608259906	0.055369061	-0.3843071025	-1.057093820
## 89812	0.196727199	-0.695867437	-0.2558147060	2.979534533
## 89813	0.102728302	-0.219237517	-0.1594454086	0.082927821
## 898143	-0.532574588	-0.368033152	0.0892251706	-1.141923017
## 89827	-0.274887957	0.355379772	-0.3317763875	-0.899849456
## 898431	1.015165870	2.058666390	-0.1915685077	1.340882736
## 89864002	-0.094993516	-0.122459868	-0.2626172446	-0.663982909
## 898677	0.188623846	1.960679020	1.1198097747	-1.115025955
## 898678	-1.021206785	-0.087377971	-0.3933771540	-0.543980631
## 89869	-0.182509730	0.131581459	-0.3824175085	0.207068109
## 898690	-0.888311792	-0.361984549	-0.2970078566	-0.777778173
## 899147	-0.206819790	0.822331927	-0.2573263812	-0.715708029
## 899187	-0.891391067	0.195696652	-0.4258781720	-0.618464804
## 899667	1.788225764	4.220437118	1.3359793360	0.225689152
## 899987	0.532206020	0.339653404	-0.1549103828	3.488509712
## 9010018	0.917925632	0.079563473	0.4051652986	0.463624703
## 901011	0.472241207	1.267509111	0.3915602213	-0.858469360
## 9010258	1.274473172	0.707408469	0.1549830442	-0.599843761
## 9010259	1.128612815	0.974756724	0.7256404524	-0.430185368
## 901028	-0.932556101	-0.617235598	-0.6454490026	-0.239836927
## 9010333	0.528964679	0.946933150	0.1432675610	-1.301029485
## 901034301	-0.847795026	-0.135766795	-0.4088718254	-0.879159408
## 901034302	-1.325568730	-0.013585014	-1.0343274615	-0.527428593
## 901041	-0.874698159	-0.272465224	-0.6949563671	-0.428116363
## 9010598	-0.291580864	-0.175687575	-0.6280647372	-0.521221579
## 9010872	-0.237612532	-0.435777506	-0.6779500205	0.385002521
## 9010877	-1.022989522	-0.923294912	-0.6503619471	-0.318459109
## 901088	0.456034501	-0.736997938	-0.7138523078	1.663647484
## 9011494	2.198255435	2.003019242	0.1855944681	1.638819426
## 9011495	-0.763196019	-0.140605678	-0.6934446919	-0.409495320
## 9011971	0.028177452	-0.957167089	-0.7527779456	2.996086571
## 9012000	0.472241207	-0.648688333	0.0004142495	2.356764090

## 9012315	0.772065275	1.382432569	0.1096327866	0.643628120
## 9012568	-0.428041332	-0.492634375	-0.7663830228	-0.014315404
## 9012795	0.264795365	-0.458762198	0.2162058919	1.328468707
## 901288	0.084900925	-0.941440721	-0.7875464764	1.882961992
## 9013005	-0.885070451	-0.134557075	-0.6114363094	-0.295700056
## 901303	0.026556782	-0.145444560	-0.0373776318	0.144997965
## 901315	2.818972288	-0.528925993	3.1764439571	-1.121232969
## 9013579	-1.072419977	-0.740627100	-0.7977502844	-0.326735128
## 9013594	-0.557532916	-0.285772151	0.4055432174	-0.357770200
## 9013838	0.258312683	-0.382549799	0.2419043712	-0.626740823
## 901549	-0.025304679	0.065046826	-0.0279296615	-0.709501015
## 901836	-0.783778536	-0.210769473	-0.7006251493	-0.864676374
## 90250	0.789892652	0.502965686	1.3465610628	-0.765364144
## 90251	-0.208440460	-0.261577738	1.1674275452	-0.432254373
## 902727	-0.539381404	-0.717642408	-0.4466637067	-0.419840344
## 90291	0.642411624	-0.380130358	-0.3491606529	-0.099144601
## 902975	-0.150096318	-0.161170928	0.3125751893	-0.649499876
## 902976	-0.774702781	-0.492634375	-0.6896655037	-0.157076735
## 903011	1.405747493	-1.010394795	3.2255734029	-0.875021398
## 90312	3.664962361	0.863462428	0.9240478294	0.941564811
## 90317302	-0.788802615	-0.140605678	-0.5381200596	-1.011575715
## 903483	-1.911765299	-0.228915282	1.1114955608	-1.261925295
## 903507	0.744513874	-0.244641650	0.1651868521	1.020186993
## 903516	0.175658480	-0.011165572	0.0880914142	2.060896404
## 903554	-0.694155450	-0.047457191	-0.7546675396	-0.560532670
## 903811	-0.428041332	-0.405534491	-0.8884507996	-0.279148018
## 90401601	0.303691461	-0.894261617	-0.5029736099	-0.303976075
## 90401602	0.331242862	-0.224076400	0.1028302479	-0.523290583
## 904302	-1.236269778	-1.044266972	-0.0974667232	-0.742605092
## 904357	-1.036927290	-0.698286878	-0.2735768902	-0.583291722
## 90439701	-0.208440460	-0.560378729	0.4928424633	0.937426801
## 904647	-0.966590184	-1.159190430	-0.7323703296	-0.510876555
## 904689	-0.185751072	0.698940425	-0.0339763625	-0.442599397
## 9047	-0.727379198	-0.222866679	-0.6889096661	-0.498462526
## 904969	-0.242474544	1.107825991	-0.8929858253	-0.639154852
## 904971	-0.039890714	0.029964928	-0.4134068512	-0.800537226
## 905189	-0.494164694	-0.670463304	-0.8215591696	0.298104320
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## 90524101	0.486827243	-0.774499277	-0.1734284047	0.995358935
## 905501	-0.169544365	0.633615512	-0.5774236162	-0.448806411
## 905502	-0.960107502	-0.862808881	-0.8071982547	-0.666051914
## 905520	-0.699017462	-0.406744212	-0.6035000143	-0.798468221
## 905539	-1.080685397	-0.124879310	0.2978363556	-1.304339893
## 905557	0.026556782	-0.179316737	0.0831784696	0.101548864
## 905680	-0.439061892	1.326785421	-0.7728076427	0.204999104
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## 905978	-0.505995589	1.197345316	0.3004817873	-1.121232969
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## 906290	-0.913594254	0.773943103	-0.6556528105	-0.808813245
## 906539	-0.485737206	-0.225286120	-0.1722946482	-0.661913905
## 906564	0.648894306	0.724344558	0.6232244539	0.039478720
## 906616	0.201589211	-0.249480532	-0.6851304780	-0.750881111
## 906878	0.152969092	-0.572475935	0.0608812596	-0.233629912

## 907145	-0.206819790	1.265089670	0.1625414204	-1.046748796
## 907367	-1.340154766	-0.736997938	-0.5230033070	-1.067438844
## 907409	0.136762385	0.129162018	0.3911823025	-0.856400355
## 90745	-0.218164484	-0.254319415	-0.4175639581	-0.726053053
## 90769601	-0.908732242	-0.054715514	-0.5358525467	-0.949505571
## 90769602	-1.000462200	-0.138186236	-0.9882213663	-0.506738545
## 907914	1.708812902	-0.671673025	0.7517168505	0.016719668
## 907915	-0.020442667	0.160614754	0.8352369083	-0.701224996
## 908194	1.183715616	0.479980995	0.0793992815	1.191914391
## 908445	1.060544648	0.397719993	0.2721378763	1.322261693
## 908469	-0.569687945	-0.608767553	-0.6148375787	0.008443649
## 908489	-0.361269701	-1.005555913	-0.3586086232	0.159480999
## 908916	-0.858005252	0.204164696	-0.5354746279	-0.376391243
## 909220	-0.445706642	-0.059554397	-0.3646553242	-0.126041663
## 909231	-0.770975238	-0.048666911	-0.5551264062	-0.132248677
## 909410	-0.167923695	-1.068461385	-0.6390243827	-0.281217023
## 909411	0.953580386	-0.651107775	0.4463584493	-0.808813245
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## 90944601	-0.994951920	-1.000717031	-0.4651817286	-0.206732850
## 909777	-0.111200222	-0.407953932	0.2634457436	-1.102611926
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## 9110732	-0.112820893	-0.988619824	-0.4682050791	1.088464151
## 9110944	-0.793988761	0.241666035	-0.6892875849	0.033271706
## 911150	-0.477795920	-0.798693689	-0.5547484874	0.006374644
## 911157302	0.464137854	-1.240241711	-0.6008545826	1.947101140
## 9111596	0.605136199	0.362638096	1.9387598433	-0.719846039
## 9111805	0.517619985	-0.499892698	-0.7512662703	1.069843108
## 9111843	-0.426258594	-0.374081755	0.1916411691	-0.657775895
## 911201	-0.070683456	0.184809166	-0.0876408340	-0.097075596
## 911202	-0.795447365	-0.539813479	-0.8151345498	-0.399150296
## 9112085	-0.432417142	-0.593041185	-0.3060779082	-0.252250955
## 9112366	-0.418317308	0.509014289	-0.6299543312	-0.651568881
## 9112367	-0.866270672	-0.855550557	-0.7433299752	-0.397081291
## 9112594	-0.884908384	-1.015233678	-0.8619964826	-0.399150296
## 9112712	-0.922507943	-0.580943979	-0.5770456973	-1.158475055
## 911296201	0.451172489	-0.011165572	0.2351018326	1.384331836
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## 9113156	-0.879398104	-0.774499277	-0.7191431712	-0.179835788
## 911320501	-0.696748523	0.084402356	-0.3880862907	-0.723984048
## 911320502	-0.540191740	-1.162819592	-0.8022853101	-0.283286027
## 9113239	0.305312131	-0.639010568	1.6394481431	-0.171559769
## 9113455	0.120555679	-0.596670347	-0.2134877989	-0.303976075
## 9113514	-1.274193471	0.772733382	-0.3083454210	-1.059162825
## 9113538	1.833604541	-0.461181639	2.8363170251	1.096740170
## 911366	1.071889342	-0.299079077	0.5374368833	-0.601912766
## 9113778	-0.310056509	-0.113991824	0.0446307507	-1.061231830
## 9113816	0.005488064	-0.008746131	0.0332931863	-0.552256651
## 911384	-0.550564032	-1.096284959	-0.5350967091	0.188447066
## 9113846	-1.911765299	1.314688215	-0.2490121673	-0.583291722
## 911391	-0.827374576	-1.018862840	0.3314711300	-0.895711446
## 911408	-0.556884647	-0.548281523	-0.5691094023	-0.450875416
## 911654	0.276140060	-0.537394037	-0.3971563422	0.037409716
## 911673	-1.128657248	-0.893051896	-0.6424256521	-0.233629912

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## 912193	-1.075337184	-0.726110452	-0.7319924108	-0.606050775
## 91227	-0.894794475	-1.200320931	-0.5963195568	0.029133697
## 912519	-0.487033743	-0.430938624	-0.3809058332	-0.297769061
## 912558	-0.415400101	-0.930553235	-0.8582172945	-0.270871999
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## 913063	2.498079502	1.424772790	2.2040588503	-0.515014564
## 913102	-0.916025260	-0.968054574	-0.9734825326	0.039478720
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## 91376702	-0.706472547	-0.909987985	-0.9394698394	0.734664331
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## 914101	-0.632245832	0.985644209	0.3877810332	-0.637085847
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## 914333	0.005488064	-0.115201545	-0.7493766762	-0.053626495
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## 914580	-0.761737416	-0.626913362	-0.8517926747	-0.457082430
## 914769	0.637549612	-0.528925993	0.5517977982	1.340882736
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## 91505	-0.030166690	0.903383208	-0.4969269089	-0.558463665
## 915143	1.582400593	0.177550843	-0.3393347637	3.004362590
## 915186	1.634262053	0.590065570	2.5150860337	-1.239166242
## 915276	0.438207124	0.698940425	2.9043424115	-1.172958089
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## 91550	0.564619433	0.248924359	1.1439965788	-0.790192202
## 915664	-0.200337107	-0.573685656	-0.7618479971	-0.136386687
## 915691	0.250209330	-0.422470579	0.0793992815	0.029133697
## 915940	-0.510209333	-0.623284201	-0.5721327528	0.101548864
## 91594602	-0.384607359	-1.091446076	-0.7849010447	0.271207257
## 916221	-0.117682905	0.459415745	-0.9742383702	-0.786054192
## 916799	-0.216543814	-0.599089788	-0.4043367996	1.156741309
## 916838	-0.002615290	-1.206369534	-0.1526428699	1.543645206
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## 917080	-0.420910381	-0.301498519	-0.0626981923	-0.376391243
## 917092	0.648894306	2.350209056	0.0400957249	-1.179165103
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## 917897	-0.809547199	-0.278513827	-0.1137172321	-1.040541782
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## 918465	-0.617497729	-0.111572383	-0.5898949370	-0.583291722
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## 922840	-0.133889611	0.269489609	0.7917762447	-1.125370978
## 923169	-0.353490482	0.179970284	0.1357091847	-1.104680931
## 923465	-0.952814484	0.498126804	-0.3091012587	-0.670189924
## 923748	-1.911765299	1.148956492	-0.5921624499	-0.953643581
## 923780	-0.252198568	1.037662196	0.3507449895	-0.879159408
## 924084	-0.403731272	-0.190204223	-0.7818776942	-0.496393521
## 924342	0.165934457	2.062295551	0.3129531082	-1.329167951
## 924632	-0.676814274	-0.434567786	-0.3756149698	-0.492255512
## 924934	0.877408866	-0.255529135	0.4319975344	-1.123301974
## 924964	-0.764006355	0.626357189	-0.5732665092	-1.162613065
## 925236	-1.911765299	1.148956492	-0.1779634304	-1.195717141
## 925277	0.691031743	-0.503521860	0.2309447257	-0.163283749
## 925291	0.141624397	-0.684979952	0.3564137717	-0.783985187
## 925292	0.723445156	0.031174649	0.5703158201	-0.200525836
## 925311	-1.911765299	-0.078909927	-0.7641155100	-0.899849456
## 925622	0.694273084	0.100128724	0.8870117857	0.258793229
## 926125	2.340874451	0.003351075	0.9138440214	1.659509474
## 926424	2.065360442	-1.137415459	0.1678322838	1.899514030
## 926682	0.807720029	-0.188994502	-0.4901243703	1.535369186
## 926954	0.611618882	-0.890632455	0.0366944556	0.560867929
## 927241	0.785030640	0.326346478	0.9032622947	1.959515169
## 92751	-1.911765299	0.752168132	-0.3824175085	-1.409652237
##	texture_worst	perimeter_worst	area_worst	smoothness_worst
## 842302	-1.358098490	2.301575480	1.9994781593	1.306536657
## 842517	-0.368878647	1.533776431	1.8888270199	-0.375281748
## 84300903	-0.023953307	1.346290616	1.4550042985	0.526943750
## 84348301	0.133866306	-0.249719577	-0.5495376931	3.391290721
## 84358402	-1.465480907	1.337362721	1.2196510812	0.220362270
## 843786	-0.313560433	-0.114908349	-0.2441054208	2.046711944
## 844359	0.322599039	1.367122374	1.2740984673	0.518184279
## 84458202	0.400695342	0.099361153	0.0288340565	1.446688190
## 844981	0.822089979	-0.031581320	-0.2481450656	1.661295226
## 84501001	2.440961268	-0.286026354	-0.2971477131	2.318255541
## 845636	1.334596970	0.492188574	0.4731949817	-0.624926668
## 84610002	0.260772799	0.870136167	0.7348937083	0.316716450
## 846226	0.693556480	1.322482894	0.7928538290	-1.255608570
## 846381	0.322599039	0.141024667	-0.0071714730	-0.843913439
## 84667401	1.030346788	0.045793778	-0.3212099450	1.433548984
## 84799002	1.863374024	0.501116469	0.1099782255	1.551801841

## 848406	0.846495074	0.480284712	0.4521185741	0.614538459
## 84862001	0.944115453	0.879064063	0.7629955850	2.037952473
## 849014	0.846495074	2.367046717	2.6651413634	0.824765759
## 8510426	-1.044086270	-0.225019065	-0.2974989865	0.509424808
## 8510653	-0.843964493	-0.332451413	-0.4392378271	-0.051181327
## 8510824	-1.629808546	-1.253810272	-0.9935473448	0.001375499
## 8511133	-1.073372384	0.530876123	0.1761932724	0.290438037
## 851509	1.612815051	2.402758300	3.0462730660	0.338615127
## 852552	0.957131504	2.075402117	2.3437261488	2.108028240
## 852631	-0.695906918	1.343314651	1.0194252098	0.969297028
## 852763	1.225587547	0.450525059	0.0286584198	0.881702320
## 852781	0.257518786	0.971318988	0.9175559068	0.062691795
## 852973	1.795039759	1.251059727	0.6822026895	1.389751630
## 853201	-1.001784106	0.822520723	0.6084352632	-0.300826246
## 853401	1.355748052	1.584367841	1.3865059741	0.732791315
## 853612	0.397441330	0.361246100	0.0142562080	1.372232688
## 85382601	1.043362839	0.858232306	0.8139302365	1.359093482
## 854002	0.849749087	1.611151529	1.6376664970	0.811626553
## 854039	0.257518786	0.757049486	0.6681517512	0.535703221
## 854253	0.543871898	0.780857208	0.6119479978	1.048132266
## 854268	0.761890745	0.266015210	-0.1422361178	0.535703221
## 854941	-0.466499027	-0.678556178	-0.5878265001	-1.548612870
## 855133	-0.077644516	-0.348819222	-0.3192779410	-1.686136562
## 855138	0.055770002	0.001154298	-0.2462130616	1.253979831
## 855167	0.743993676	-0.141692037	-0.1627856152	-1.005963650
## 855563	1.572139893	-0.596419536	-0.6438546167	2.563520725
## 855625	1.219079521	2.087305978	1.3531349955	-0.335864129
## 856106	0.377917254	0.173760286	0.0467490029	0.903600997
## 85638502	0.685421448	-0.052413078	-0.2456861514	0.785348140
## 857010	-0.708922968	1.289747276	1.2056001429	1.556181576
## 85713702	-0.604794564	-1.488018741	-1.1212352470	-0.116877358
## 85715	0.369782222	-0.132764141	-0.2128420830	2.024813267
## 857155	-0.809797360	-0.517258858	-0.5233678204	0.745930522
## 857156	0.999433668	-0.245850822	-0.3192779410	-0.708141641
## 857343	0.006959813	-0.722600465	-0.6394636985	-1.045381269
## 857373	-0.404672786	-0.332749009	-0.3932210040	-1.027862327
## 857374	-0.707295962	-0.702066304	-0.6206705685	-0.786976879
## 857392	-0.251734192	0.828472653	0.7735337888	-0.191332860
## 857438	0.978282586	0.310654690	0.2624309065	0.286058302
## 85759902	-0.521817242	-0.757419259	-0.6575542816	-0.327104659
## 857637	0.400695342	1.870060510	2.2207804383	1.315296127
## 857793	0.817208960	0.251135384	0.1842725620	0.194083858
## 857810	-0.557611381	-0.506545383	-0.4504785778	-1.325684336
## 858477	-1.672110710	-1.409453257	-1.0638020365	1.792687289
## 858970	-1.338574414	-1.113047113	-0.8992304211	-0.213231537
## 858981	0.221724647	-1.345172407	-1.0655584038	1.380992159
## 858986	0.623595208	0.352318204	0.1386070123	1.385371894
## 859196	-1.048967289	-1.240120831	-1.0019779078	-1.489486441
## 85922302	1.267889711	0.135072737	0.0135536611	2.309496070
## 859283	1.254873660	0.218399765	0.0781879775	1.420409778
## 859464	0.957131504	-1.197266931	-0.9657967415	0.982436235
## 859465	-0.298917376	-0.870803537	-0.7269307897	-0.147535506
## 859471	-0.492531128	-1.242799200	-0.9763349453	0.693373696
## 859487	-0.962735954	-0.642546998	-0.5720191944	-0.121257093

## 859575	0.146882356	1.745069968	1.7307539635	-0.572369843
## 859711	-1.628181539	-1.330292580	-1.0471165472	-0.511053547
## 859717	1.324834932	1.319506929	1.4058260143	1.144486446
## 859983	-0.783765259	0.090433257	-0.1197546165	0.382412481
## 8610175	-0.401418774	-0.522317999	-0.4733113526	-0.646825345
## 8610404	-0.181772921	0.640986839	0.6014097941	0.772208934
## 8610629	-2.145569549	-0.473214572	-0.4831470094	0.557601898
## 8610637	-1.101031492	1.274867449	1.2811239365	0.675854755
## 8610862	0.983163605	1.876012441	1.3039567113	1.380992159
## 8610908	-0.139470756	-0.457739552	-0.4539913123	-0.151915241
## 861103	1.054751883	-0.676473002	-0.6243589398	1.021853854
## 8611161	-0.404672786	-0.315488411	-0.4666371569	0.929879410
## 8611555	1.292294806	3.108062078	2.9531855995	1.091929621
## 8611792	1.145864237	1.012982502	0.7331373410	0.299197508
## 8612080	-0.126454706	-0.579754130	-0.5491864196	0.233501476
## 8612399	0.325853051	1.337362721	1.2688293654	0.325475920
## 86135501	0.581293044	0.033889916	-0.1259019020	-0.077459739
## 86135502	0.770025777	1.358194478	1.3039567113	-0.327104659
## 861597	0.784668834	-0.470238607	-0.5372431220	-0.086219210
## 861598	-1.210040915	0.063649569	-0.1352106487	-0.204472067
## 861648	0.558514955	-0.129788176	-0.1350350119	-0.913989206
## 861799	0.026483888	0.007106229	-0.0872618216	-0.292066775
## 861853	-0.541341317	-0.082172731	-0.0877887317	-1.391380368
## 862009	0.042753952	-0.287811933	-0.3182241206	0.067071530
## 862028	-0.235464129	0.483260678	0.2536490700	0.995575441
## 86208	0.962012523	1.453425367	1.5270153575	-0.585509049
## 86211	-0.774003221	-0.747598573	-0.6768743218	-0.804495820
## 862261	0.099699173	-1.144294748	-0.9036213394	-0.033662385
## 862485	-1.385757598	-0.723195658	-0.6464891677	0.470007190
## 862548	0.843241061	0.066625535	-0.0951654744	0.470007190
## 862717	1.560750849	0.039841847	0.0455195458	-0.257028892
## 862722	-0.998530093	-1.691872365	-1.2213481827	1.140106710
## 862965	1.165388313	-0.674985020	-0.5844894022	-0.878951323
## 862980	0.187557514	-1.042814332	-0.9122275391	1.030613325
## 862989	-0.385148711	-0.983295025	-0.8391626597	-0.458496721
## 863030	-0.533206286	-0.025629390	-0.0937603805	2.357673160
## 863031	0.582920050	-0.647308542	-0.6303305886	1.595599195
## 863270	0.294939931	-0.645820560	-0.5909879612	-0.611787461
## 86355	0.379544260	2.962239778	2.5983994063	1.652535755
## 864018	0.565022981	-0.692543215	-0.6366535108	1.643776285
## 864033	-0.684517874	-1.058884544	-0.9020406088	0.627677665
## 86408	-0.033715345	-0.543447353	-0.6203192950	-0.160674712
## 86409	-0.316814445	-0.007773598	-0.3013629946	-1.877968974
## 864292	-0.476261065	-1.030910470	-0.8890434908	-0.103738152
## 864496	-0.985514043	-1.273154046	-1.0471165472	1.753269670
## 864685	0.076921084	-0.586896447	-0.5226652735	0.772208934
## 864726	-1.400400655	-1.307080051	-1.0724082362	-0.633686139
## 864729	0.275415856	0.590395429	0.3765947805	2.427748926
## 864877	0.784668834	0.685626318	0.6874717914	2.327015012
## 865128	0.350258146	0.652890700	0.6681517512	-1.102317830
## 865137	-1.579371350	-0.699983128	-0.6500019023	0.982436235
## 86517	-0.126454706	1.134997080	1.1739855316	0.785348140
## 865423	-0.274512281	2.191464763	2.0943219932	1.630637078
## 865432	-1.577744344	-0.132764141	-0.2372555884	-0.046801591

## 865468	-0.476261065	-0.454465990	-0.4364276394	-1.308165395
## 86561	-0.341219540	-0.207163273	-0.2716803873	-0.730040318
## 866083	1.620950083	0.176736251	-0.0559984837	0.645196607
## 866203	0.008586819	1.218324108	1.1546654914	-1.325684336
## 866458	-1.195397858	-0.040509216	-0.2072217077	0.272919095
## 866674	1.285786781	1.233203935	1.2442402233	-0.213231537
## 866714	-1.280002187	-0.472619379	-0.5890559572	0.452488248
## 8670	0.052515990	0.524924192	0.4837331854	0.973676764
## 86730502	0.976655580	0.667770527	0.5171041640	0.312336714
## 867387	-1.045713277	0.209471869	0.0741483327	-0.440977780
## 867739	0.929472396	1.140949010	1.2459965906	0.618918194
## 868202	1.251619648	-0.452978008	-0.3986657426	0.417450364
## 868223	-0.032088339	-0.627964768	-0.5864214062	-0.230750479
## 868682	-0.595032526	-0.813367406	-0.7351857160	-0.585509049
## 868826	-0.691025899	0.420765406	0.1595077831	0.382412481
## 868871	-1.611911476	-0.914550227	-0.7843640002	0.189704122
## 868999	-1.883621532	-1.212146757	-0.9443690606	-0.392800690
## 869104	-0.066255472	0.646938769	0.6189734670	-0.042421856
## 869218	0.176168470	-0.732123554	-0.6631746569	0.391171952
## 869224	-0.627572652	-0.300310988	-0.4158781421	-0.051181327
## 869254	-0.806543348	-0.877053064	-0.7717181557	-1.084798888
## 869476	-1.491513009	-0.624988803	-0.6515826328	0.439349042
## 869691	0.114342230	-0.456251570	-0.5073848781	0.268539360
## 86973701	-0.033715345	-0.004797633	-0.1244968082	-1.430797987
## 86973702	-0.948092897	0.039841847	-0.1996693283	-0.033662385
## 869931	-0.523444248	-0.299715795	-0.2716803873	-1.544233134
## 871001501	-0.254988205	-0.489284785	-0.4634756957	-0.116877358
## 871001502	0.657762341	-1.463615826	-1.1078868556	1.341574540
## 8710441	-1.006665125	-1.077930722	-0.8783296503	-0.138776035
## 87106	-1.525680141	-0.922882930	-0.7724207026	0.075831001
## 8711002	-0.842337487	-0.285431161	-0.3570398378	0.675854755
## 8711003	-0.074390503	-0.614870520	-0.5556849786	-0.467256192
## 8711202	-0.092287573	0.763001416	0.7401628102	0.413070629
## 8711216	0.389306298	0.388029788	0.2659436411	-1.954614344
## 871122	-1.182381808	-0.689864846	-0.6108349116	-0.213231537
## 871149	-1.216548940	-0.868720361	-0.7211347776	-0.668724022
## 8711561	0.086683122	-0.546125722	-0.5913392347	0.150286503
## 8711803	-1.280002187	1.170708663	1.0791416978	-0.874571587
## 871201	0.115969236	2.012906845	2.3735843928	0.500665338
## 8712064	0.488553683	-0.592253184	-0.5753562923	0.561981634
## 8712289	0.413711393	2.289671619	2.6739231999	-0.419079103
## 8712291	0.023229876	-0.147643967	-0.1729725455	-1.220570686
## 87127	-2.222038846	-0.999960431	-0.8194913460	0.491905867
## 8712729	0.101326179	0.697530180	0.6663953839	-0.681863228
## 8712766	1.082410990	1.429617645	1.3689423011	0.229121741
## 8712853	-0.435585907	-0.079196765	-0.1525986849	-0.471635928
## 87139402	-1.633062558	-0.603859449	-0.5822061247	0.268539360
## 87163	0.682167436	0.277919071	0.1984991370	0.338615127
## 87164	-1.405281674	0.527900157	0.3888893516	0.907980732
## 871641	-1.441075813	-1.049063859	-0.8502277737	-0.471635928
## 871642	-1.053848308	-1.013649872	-0.8295026396	-1.084798888
## 872113	-1.405281674	-1.455283123	-1.0913770030	-0.708141641
## 872608	-0.209432028	-1.017518626	-0.8612928876	-0.099358416
## 87281702	0.451132538	0.483260678	0.1767201826	0.399931423

## 873357	0.543871898	-0.567850269	-0.4773509973	-2.238859173
## 873586	-1.550085236	-0.611894555	-0.5442685912	-0.708141641
## 873592	1.167015319	3.378874921	4.1018498091	0.649576342
## 873593	1.269516717	2.060522290	2.1224238698	0.732791315
## 873701	1.162134300	0.655866665	0.6822026895	0.395551687
## 873843	-1.297899256	-0.837472725	-0.7260526060	-0.887710794
## 873885	0.382798273	0.194592043	0.1624936075	-0.099358416
## 874158	-0.731701057	-0.948476231	-0.7790948983	0.864183378
## 874217	0.111088217	0.950487231	0.9298504779	-0.392800690
## 874373	-0.697533924	-0.679746564	-0.6306818620	-0.003004237
## 874662	0.130612293	-0.824080882	-0.6868856154	0.141527032
## 874839	-0.990395062	-0.613382538	-0.5864214062	-0.997204179
## 874858	1.871509056	-0.025629390	-0.2075729811	0.916740203
## 875093	-0.354235591	-0.542256967	-0.5288125590	-1.685698589
## 875099	-0.788646278	-1.339518073	-1.0130430217	-2.680336505
## 875263	2.222942421	-0.165499759	-0.1961565937	2.020433532
## 87556202	0.342123115	0.337438378	-0.1684059905	-0.033662385
## 875878	-0.598286539	-0.489582381	-0.4917532091	-0.992824444
## 875938	1.355748052	0.129120806	-0.1294146366	1.810206231
## 877159	-0.158994832	0.649914735	0.6101916305	-1.933591614
## 877486	1.038481820	1.759949794	1.4181205853	-0.007383972
## 877500	0.722842594	0.316606620	0.2870200486	0.999955176
## 877501	0.436489481	-0.449704446	-0.4253625255	0.461247719
## 877989	0.026483888	0.959415127	0.6295116707	0.251020418
## 878796	1.139356212	2.075402117	1.9415180387	0.929879410
## 87880	2.631321008	0.632058943	0.4784640835	3.951896856
## 87930	-0.168756870	-0.333641799	-0.3559860174	0.448108512
## 879523	-0.884639651	0.310654690	0.1912980311	0.732791315
## 879804	-0.399791767	-1.195778948	-0.9642160110	0.399931423
## 879830	-0.102049611	0.676698423	0.5785770192	-0.931508148
## 8810158	0.566649987	-0.231566189	-0.4237817949	0.110868884
## 8810436	-1.587506381	0.191616078	0.0915363689	-0.445357515
## 881046502	0.351885153	1.518896604	1.3619168319	-0.638065874
## 8810528	-0.111811649	-0.655938842	-0.5871239532	-0.191332860
## 8810703	-1.172619770	2.417638127	2.8425344600	-0.795736349
## 881094802	0.389306298	0.391005753	0.2466236009	-0.353383071
## 8810955	1.492416583	0.230303627	-0.1216866205	1.030613325
## 8810987	0.203827577	-0.085148696	-0.2291762988	0.597019517
## 8811523	0.231486685	-0.626774382	-0.6136450993	0.356134068
## 8811779	-0.196415977	-0.948178635	-0.8375819291	-1.624820266
## 8811842	0.482045658	1.876012441	1.9819144864	0.128387826
## 88119002	3.210535258	2.170633006	2.8038943795	0.369273275
## 8812816	-1.517545110	-0.224721469	-0.3062808230	-0.055561062
## 8812818	-1.390638617	-0.183355551	-0.3407056219	0.229121741
## 8812844	-0.461618008	-1.051147034	-0.8869358501	0.360513804
## 8812877	0.750501701	0.554683845	0.3643002095	0.999955176
## 8813129	-0.337965527	-0.250612367	-0.3017142680	-0.208851802
## 88143502	-1.428059762	0.093409222	-0.0129674851	-0.116877358
## 88147101	-0.956227929	-1.005614765	-0.8521597777	0.075831001
## 88147102	-1.035951239	0.206495904	-0.1271313591	-0.822014762
## 88147202	0.916456346	-0.493748732	-0.4506542145	-0.423458838
## 881861	0.727723613	-0.058365008	-0.3066320965	1.985395648
## 881972	-0.128081712	0.780857208	0.5416933061	1.661295226
## 88199202	1.313445888	-0.816640968	-0.7522224787	-1.766723694

## 88203002	2.619931963	-0.857709289	-0.7195540471	-1.420286622
## 88206102	1.904049182	1.649839078	1.7412921672	-0.440977780
## 882488	-1.060356334	-1.235656883	-0.9566636316	0.789727876
## 88249602	0.748874695	-0.267575369	-0.2899466072	-0.160674712
## 88299702	1.437098368	2.938432055	3.6241179054	0.688993961
## 883263	0.080175097	1.620079425	1.5270153575	-0.419079103
## 883270	2.418183180	-0.141692037	-0.2047627935	-1.062900211
## 88330202	3.122676916	1.010006537	0.9263377433	0.180944651
## 88350402	-1.078253403	-0.391375526	-0.3463259973	-0.200092331
## 883539	-0.863488569	-0.696709566	-0.5922174183	-1.255608570
## 883852	0.371409228	-0.598205115	-0.7160413125	0.102109414
## 88411702	0.107834204	-0.275610476	-0.3066320965	-1.694458060
## 884180	0.789549853	1.120117253	0.9421450489	0.610158723
## 884437	0.615460176	-0.999365238	-0.8391626597	0.837904966
## 884448	0.348631140	-0.564874303	-0.4892942949	-0.975305502
## 884626	-1.297899256	-0.067292904	-0.4241330684	-0.305205981
## 88466802	1.547734798	-0.871398730	-0.7462508299	0.767829199
## 884689	-0.730074051	-0.785095736	-0.6828459706	0.286058302
## 884948	0.215216622	1.727214176	1.9836708537	-0.493534605
## 88518501	-0.523444248	-0.718434113	-0.6528120899	-0.616167197
## 885429	-0.014191270	1.563536084	1.8484305721	1.691953374
## 8860702	-0.095541586	0.703482110	0.5996534268	0.404311158
## 886226	-0.180145914	1.661742939	1.9169288966	0.759069728
## 886452	-0.586897494	0.024962020	-0.0958680213	0.824765759
## 88649001	1.723451481	2.123017561	1.8361360011	-0.186953125
## 886776	-0.490904121	0.373149961	0.0846865364	1.932838823
## 887181	0.970147554	1.084405670	0.6066788959	0.789727876
## 88725602	3.882488868	0.566587706	0.2712127430	2.449647604
## 887549	2.193656307	1.637935216	1.6921138830	0.868563114
## 888264	0.942488447	0.623131047	0.5926279576	-0.366522277
## 888570	0.254264773	0.911799682	0.7278682392	-0.830774233
## 889403	0.975028573	0.257087314	0.1897173006	-1.049761004
## 889719	0.594309094	0.989174780	0.9755160275	1.026233589
## 88995002	3.495261364	3.176509280	4.4812251444	0.338615127
## 8910251	-0.445347944	-0.862470834	-0.8005225793	-0.484775134
## 8910499	0.709826543	-0.285728758	-0.3847904410	-1.395760103
## 8910506	-0.331457502	-0.535412247	-0.4971979478	-0.296446511
## 8910720	-0.076017510	-0.915145420	-0.8258142683	0.049552588
## 8910721	-0.817932392	-0.381554840	-0.3442183565	-2.045274867
## 8910748	-1.545204217	-0.862768430	-0.7430893688	0.150286503
## 8910988	0.407203367	2.637859559	2.6405522213	-0.226370744
## 8910996	-0.780511246	-1.165721699	-0.9227657429	0.627677665
## 8911163	1.466384482	0.828472653	0.7717774215	-0.038042120
## 8911164	-1.088015441	-0.827354443	-0.7169194961	0.154666239
## 8911230	-1.088015441	-0.889552118	-0.7422111851	-0.283307304
## 8911670	-0.224075085	0.646938769	0.6242425689	-0.353383071
## 8911800	0.068786053	-0.248529191	-0.2484963391	-1.198672009
## 8911834	-0.640588703	-0.264599404	-0.3698613190	-0.607407726
## 8912049	1.663252247	1.563536084	1.4813498079	2.007294325
## 8912055	-1.206786902	-0.671413861	-0.6092541811	-1.259988305
## 89122	0.483672665	1.343314651	1.3127385477	0.851044172
## 8912280	-0.095541586	0.584443498	0.2641872738	0.180944651
## 8912284	-0.974124999	-0.450597236	-0.5005350456	-1.450068823
## 8912521	-0.422569856	-0.645820560	-0.5558606153	-1.251228834

## 8912909	0.262399805	-0.448216463	-0.5874752266	-0.909609471
## 8913	-1.649332622	-0.591062798	-0.5332034773	-1.585840621
## 8913049	-0.544595330	-0.862768430	-0.7780410779	-1.295026188
## 89143601	0.075294078	-0.832413584	-0.7399279077	-0.900850000
## 89143602	-0.577135456	-0.165499759	-0.1989667814	-1.425104331
## 8915	0.083429110	0.054721673	-0.1243211714	-0.046801591
## 891670	-0.935076847	-0.549101687	-0.5184499920	0.697753432
## 891703	0.011840832	-0.681829740	-0.6371804210	0.198463593
## 891716	-1.333693395	-0.557136794	-0.5741268352	-0.112497623
## 891923	-1.423178743	-0.389589947	-0.3854929879	-0.673103757
## 891936	-1.766477077	-1.036862401	-0.8577801530	-1.718984578
## 892189	-0.372132660	-0.659510000	-0.5743024719	-0.817635027
## 892214	-0.067882478	-0.043485182	-0.1069331352	-1.660734097
## 892399	-0.237091135	-1.105904796	-0.9095929882	-0.791356614
## 892438	0.091564141	1.899820163	2.0591946473	0.750310257
## 892604	-0.424196862	-0.569338251	-0.5783421167	-1.198672009
## 89263202	0.610579158	1.533776431	1.4321715237	0.102109414
## 892657	-0.185026933	-1.086263425	-0.8872871235	0.391171952
## 89296	-0.661739785	-0.731230764	-0.6863587052	-0.786976879
## 893061	0.966893542	-0.769918313	-0.7097183902	-1.616936742
## 89344	-0.850472518	-0.454168394	-0.4279970764	-0.857052645
## 89346	-0.912298758	-1.379693604	-1.0451845432	-1.478537103
## 893526	-1.421551737	-0.350604801	-0.3194535777	-1.845558932
## 893548	-1.346709446	-0.395839474	-0.3656460375	-1.347583014
## 893783	0.142001337	-0.783905350	-0.6981263661	-0.440977780
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## 89382602	-1.509410078	-0.452978008	-0.4597873244	-0.567990107
## 893988	-2.083743309	-0.774679857	-0.7249987857	-1.014723121
## 894047	-0.526698260	-1.506172130	-1.1249236183	0.102109414
## 894089	-0.970870986	-0.677960985	-0.5908123245	-0.962166296
## 894090	-1.498021034	-0.763668786	-0.6454353473	-1.413279045
## 894326	-0.110184642	1.001078641	1.0615780248	0.483146396
## 894329	-0.370505654	-1.149949083	-1.0248106826	-0.449737251
## 894335	-0.889520670	-0.758907241	-0.6405175189	-2.114474687
## 894604	-0.824440417	-1.063348492	-0.8609416141	0.342994862
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## 894855	-0.747971120	-0.430360671	-0.4936852132	0.978056499
## 895100	1.005941693	1.899820163	1.8572124086	1.175144594
## 89511501	-0.699160930	-0.480654485	-0.5224896368	-0.296446511
## 89511502	-0.744717107	-0.552375249	-0.5377700322	0.264159624
## 89524	-1.249089067	-0.263706614	-0.2295275723	-0.186953125
## 895299	-0.557611381	-0.729742781	-0.6273447642	-1.360722220
## 8953902	0.765144758	0.670746492	0.4222603302	1.166385123
## 895633	-0.076017510	0.191616078	0.1661819788	0.448108512
## 896839	-0.601540551	0.507068400	0.3326855982	0.487526131
## 896864	-0.606421570	-0.239601295	-0.4325636314	-0.156294977
## 897132	0.016721851	-0.903241559	-0.7806756289	0.439349042
## 897137	-0.588524501	-0.749384152	-0.6812652401	-0.690622699
## 897374	0.452759544	-0.676473002	-0.5906366877	-0.445357515
## 89742801	1.215825509	1.069525843	0.8455448478	0.548842427
## 897604	-1.426432756	-0.591657991	-0.5349598446	-0.795736349
## 897630	1.414320280	1.602223633	1.7430485345	0.763449463
## 897880	0.189184521	-1.049956648	-0.8721823648	0.342994862
## 89812	0.822089979	2.831297304	3.5573759483	0.837904966

## 89813	-0.678009848	0.123168876	-0.0324631620	-0.130016564
## 898143	-0.424196862	-1.071681195	-0.9255759305	-0.397180425
## 89827	-0.939957866	-0.818426547	-0.7738257964	0.413070629
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## 89864002	-1.223056966	-0.687484074	-0.6396393352	0.597019517
## 898677	-1.008292131	-1.082394670	-0.9194286450	0.159045974
## 898678	0.224978660	-0.616656100	-0.5584951663	-0.151915241
## 89869	-1.260478111	0.206495904	0.0003809064	-0.454116986
## 898690	-0.795154303	-0.821104916	-0.7109478473	0.907980732
## 899147	-1.294645244	-0.719326903	-0.6751179545	-0.134396300
## 899187	-0.965989967	-0.703851883	-0.5937981489	-1.436053669
## 899667	-0.245226167	0.361246100	0.0609755780	0.991195706
## 899987	-0.341219540	3.631831972	4.1334644204	0.903600997
## 9010018	1.227214553	0.414813476	0.2975582524	1.472966603
## 901011	-1.603776445	-0.822592899	-0.7501148380	-1.915196725
## 9010258	-0.528325267	-0.542852160	-0.5851919491	-0.997204179
## 9010259	-0.134589737	-0.388101964	-0.5082630617	0.084590472
## 901028	-0.015818276	-0.313107638	-0.3270059571	-0.747559260
## 9010333	-1.297899256	-1.249643920	-1.0162044829	-1.351962749
## 901034301	-0.106930630	-0.936572370	-0.7745283433	0.040793117
## 901034302	-0.764241183	-0.608323397	-0.5179230818	-1.727306075
## 901041	0.573158012	-0.426194320	-0.4555720429	-0.804495820
## 9010598	0.050888983	-0.578563744	-0.5284612856	-0.112497623
## 9010872	-0.036969358	0.295774863	0.2255471933	0.062691795
## 9010877	-0.647096728	-0.401791405	-0.3812777064	-0.484775134
## 901088	0.112715223	1.605199598	1.5797063763	0.014514705
## 9011494	1.323207926	1.569488014	1.3882623413	-0.200092331
## 9011495	-0.266377249	-0.399113036	-0.4496003941	0.194083858
## 9011971	0.124104268	2.744994310	3.9736349967	0.172185180
## 9012000	0.019975863	2.611075872	2.3648025563	-0.130016564
## 9012315	0.870900169	0.655866665	0.4995404911	0.399931423
## 9012568	-1.618419502	-0.082172731	-0.1079869556	-0.865812116
## 9012795	-0.624318640	1.334386755	1.1493963895	-0.576749578
## 901288	-0.407926799	1.771853655	1.8712633469	1.043752531
## 9013005	-0.889520670	-0.241089278	-0.3688074986	-0.957786560
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## 901315	-0.464872020	-0.915145420	-0.9285617549	-0.791356614
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## 9013594	-0.982260030	-0.276800862	-0.3926940938	-0.213231537
## 9013838	1.162134300	-0.461310711	-0.6542171838	3.767947968
## 901549	-0.837456468	-0.664569141	-0.7104209371	1.253979831
## 901836	-0.788646278	-0.819319337	-0.7613555886	-1.001583915
## 90250	0.493434702	-0.592253184	-0.6888176194	-1.943665005
## 90251	-0.414434824	-0.358044715	-0.4919288459	0.452488248
## 902727	-1.351590465	-0.317571586	-0.4511811247	-0.690622699
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## 90317302	-1.631435552	-1.012757082	-0.8537405082	0.084590472
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## 903507	0.607325145	1.036790225	0.8402757459	1.564941047
## 903516	0.498315721	1.926603851	2.1083729315	0.780968405

## 903554	0.019975863	-0.563386321	-0.5639399049	0.474386925
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## 90401601	0.247756748	-0.295549443	-0.3607282091	0.456867983
## 90401602	-0.751225133	-0.492260750	-0.5086143352	-1.621754451
## 904302	-0.866742581	-0.787774105	-0.6742397709	-0.892090529
## 904357	-0.193161965	-0.632726312	-0.5595489867	-0.349003336
## 90439701	0.342123115	1.259987623	0.7436755448	2.405850249
## 904647	-0.900909714	-0.583920481	-0.5112488861	0.220362270
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## 904971	-0.015818276	-0.729147588	-0.7169194961	0.172185180
## 905189	-0.992022068	0.257087314	0.1182331517	-0.515433282
## 905190	0.216843628	-0.465179466	-0.4123654075	-1.679566959
## 90524101	-0.043477383	0.917751612	0.8227120730	0.693373696
## 905501	0.521093810	-0.543447353	-0.4748920831	-0.366522277
## 905502	1.731586512	-0.660402790	-0.6310331355	0.566361369
## 905520	0.124104268	-0.813367406	-0.7186758634	0.198463593
## 905539	0.376290247	-1.209765985	-1.0179608501	-1.041001534
## 905557	0.955504497	0.087457292	-0.0236813255	-1.080419152
## 905680	1.827579885	0.084481327	0.0892530914	-0.769457937
## 905686	0.249383754	-0.659807597	-0.6282229478	0.448108512
## 905978	0.905067302	-1.146675521	-0.9153890002	0.886082055
## 90602302	0.320972032	1.483185021	1.5235026229	0.846664436
## 906024	-1.424805749	-0.569635848	-0.5509427869	-0.042421856
## 906290	0.527601835	-0.833306374	-0.7422111851	-0.182573389
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## 906564	-1.193770852	0.203519939	-0.1253749918	-0.051181327
## 906616	-0.977379011	-0.753848100	-0.7111234840	0.399931423
## 906878	-0.028834326	-0.174427655	-0.3017142680	-0.773837672
## 907145	-0.407926799	-1.055610982	-0.8776271034	0.325475920
## 907367	0.530855848	-1.111261534	-0.8857063930	-0.865812116
## 907409	-0.668247810	-0.769323120	-0.7731232495	0.014514705
## 90745	1.035227807	-0.701471111	-0.6868856154	-0.090598945
## 90769601	-0.876504619	-0.979426270	-0.8070211383	-1.286266718
## 90769602	-0.767495196	-0.547316108	-0.5159910778	-1.119836771
## 907914	0.307955982	0.539804018	-0.0841003604	0.417450364
## 907915	-0.450228963	-0.525293965	-0.6406931556	0.553222163
## 908194	-0.098795598	1.152852872	1.0510398211	1.494865280
## 908445	0.854630106	1.132021114	1.2688293654	0.290438037
## 908469	-0.835829461	-0.147643967	-0.1810518350	-0.462876457
## 908489	0.833479023	0.197568008	-0.0198173175	1.267119038
## 908916	-0.211059034	-0.360723083	-0.4455607493	-0.480395399
## 909220	-0.666620804	-0.180379586	-0.2293519356	-0.563610372
## 909231	0.379544260	-0.189307482	-0.2309326661	-0.900850000
## 909410	-1.035951239	-0.319357166	-0.3366659772	-1.268747776
## 909411	0.194065539	-0.509521349	-0.7098940269	0.294817772
## 909445	1.591663969	0.760025451	0.7085481989	0.491905867
## 90944601	-1.330439383	-0.278586441	-0.3055782761	-1.102317830
## 909777	-0.385148711	-1.128224536	-0.9032700659	-1.507881330
## 9110127	-0.595032526	0.774905278	0.7225991373	-0.265788363
## 9110720	0.761890745	-0.677960985	-0.6440302535	-0.055561062
## 9110732	2.092781915	1.134997080	0.9772723948	0.338615127
## 9110944	-0.477888071	-0.040509216	-0.0897207358	-0.427838573

## 911150	0.441370500	0.024962020	-0.0879643685	-1.027862327
## 911157302	1.040108826	1.813517170	2.0047472612	0.194083858
## 9111596	0.407203367	-0.706827848	-0.6557979143	-1.655478414
## 9111805	0.859511125	0.968343023	0.9491705181	0.894841526
## 9111843	1.985399498	-0.660402790	-0.6268178540	-0.506673811
## 911201	-1.423178743	-0.123836245	-0.2295275723	0.102109414
## 911202	-0.573881444	-0.465477062	-0.4339687252	-0.432218309
## 9112085	2.592272856	-0.314595621	-0.3073346434	-0.664344287
## 9112366	2.136711086	-0.631535926	-0.6196167481	0.360513804
## 9112367	1.391542191	-0.475297748	-0.4350225456	-0.151915241
## 9112594	1.009195706	-0.482142468	-0.4427505617	-0.462876457
## 9112712	1.829206892	-1.167507278	-0.9320744895	-0.935887883
## 911296201	1.433844356	1.334386755	1.3478658936	1.210182477
## 911296202	0.926218384	4.283568374	5.9249590593	0.145906768
## 9113156	1.025465769	-0.204187308	-0.2563999919	-1.343203278
## 911320501	-0.269631262	-0.731528360	-0.6770499586	0.080210736
## 911320502	-0.290782344	-0.361913469	-0.3389492547	-0.182573389
## 9113239	-0.028834326	0.230303627	-0.2583319959	-0.537331959
## 9113455	-0.035342352	-0.189307482	-0.3363147037	0.119628355
## 9113514	-0.172010883	-1.075847546	-0.8788565605	0.281678566
## 9113538	0.519466804	1.081429704	0.9772723948	-0.511053547
## 911366	-0.045104390	-0.569040655	-0.6190898379	1.998534854
## 9113778	-0.009310251	-1.082692267	-0.8700747241	-0.392800690
## 9113816	1.245111623	-0.595824343	-0.5497133298	-1.238089628
## 911384	-1.213294928	0.141024667	0.0456951825	-1.132975978
## 9113846	2.013058606	-0.660105193	-0.5649937253	-1.670807488
## 911391	-1.029443214	-0.788071701	-0.7859447307	0.036413382
## 911408	-1.029443214	-0.417861617	-0.4826200992	0.010134969
## 911654	0.257518786	0.144000633	-0.0914771031	-0.747559260
## 911673	-0.630826665	-0.180379586	-0.2839749584	-1.687450483
## 911685	-0.614556602	-0.750574538	-0.7253500591	0.124008091
## 911916	-0.427450875	0.441597163	0.1038309399	0.233501476
## 912193	0.356766172	-0.548506494	-0.5851919491	-0.506673811
## 91227	0.120850255	-0.085148696	-0.0879643685	-1.137355713
## 912519	-1.197024865	-0.366675014	-0.3870737185	0.303577243
## 912558	-0.349354572	-0.341676905	-0.3408812587	-0.546091430
## 912600	-1.867351469	0.155904494	-0.0461628269	0.951778087
## 913063	-0.756106152	-0.280967213	-0.5268805550	-0.651205080
## 913102	-0.038596364	-0.037533251	-0.0870861848	-0.795736349
## 913505	0.766771764	1.387954131	1.5094516846	0.833525230
## 913512	-0.664993798	-0.615763310	-0.5809766676	0.886082055
## 913535	0.143628344	0.596347359	0.3572747403	-1.378241162
## 91376701	1.027092776	-0.432146251	-0.4525862185	-0.296446511
## 91376702	-1.180754801	0.590395429	0.5785770192	-1.478099129
## 914062	0.062278028	1.075477774	0.9579523545	-0.064320533
## 914101	-1.515918103	-0.714862955	-0.6087272709	-1.663361938
## 914102	0.452759544	-0.356259135	-0.4079744893	-0.900850000
## 914333	0.456013557	-0.100028522	-0.1703379945	-0.471635928
## 914366	-0.573881444	-0.356259135	-0.4336174517	0.916740203
## 914580	-0.217567060	-0.429765478	-0.4799855483	-0.208851802
## 914769	-0.455109982	1.164756733	1.2635602635	0.386792216
## 91485	0.826970998	1.664718904	1.5445790304	0.614538459
## 914862	-0.853726531	0.072577465	-0.0415962719	-0.826394497
## 91504	1.181658376	-0.037533251	-0.1626099784	2.059851150

## 91505	-0.695906918	-0.612787345	-0.5771126596	1.122587769
## 915143	-0.294036357	3.102110147	3.3395864039	-0.546091430
## 915186	-1.512664091	-1.137152432	-1.0193659440	2.532862577
## 915276	-1.242581042	-1.124653377	-0.9703632965	2.988355061
## 91544001	-0.245226167	-0.658617210	-0.6415713392	0.342994862
## 91544002	-0.803289335	-0.927942071	-0.8245848112	1.481726074
## 915452	-1.288137218	0.075553431	0.0836327161	0.132767562
## 915460	1.733213519	0.310654690	0.0506130110	1.788307554
## 91550	-1.314169320	-0.774084664	-0.7144605819	-1.097938094
## 915664	-1.317423332	-0.165499759	-0.2114369892	-0.808875556
## 915691	0.648000303	0.179712216	-0.0635508631	1.096309356
## 915940	-1.372741547	0.036865882	-0.0326387987	-0.440977780
## 91594602	0.387679292	0.194592043	0.1517797670	-0.340243865
## 916221	-0.430704888	-0.836579936	-0.7060300189	0.697753432
## 916799	0.085056116	1.039766190	1.0756289632	0.737171051
## 916838	-0.072763497	1.584367841	1.3443531590	0.408690894
## 917062	-0.212686041	-0.236625330	-0.3616063927	0.579500575
## 917080	-0.640588703	-0.405660159	-0.4504785778	0.662715548
## 917092	-1.275121168	-1.173161612	-0.9729978474	2.305116334
## 91762702	0.203827577	2.929504159	3.0936949829	0.080210736
## 91789	0.122477261	-0.919014175	-0.7810269023	-0.944647354
## 917896	-0.007683244	-0.233054172	-0.3138332024	0.443728777
## 917897	-0.437212913	-0.980319060	-0.8853551195	0.417450364
## 91805	-1.175873782	-1.308270437	-1.0625725794	1.389751630
## 91813701	-0.084152541	-0.159547829	-0.2823942278	1.315296127
## 91813702	-1.042459264	-0.596419536	-0.5544555215	-0.138776035
## 918192	-1.675364723	-0.379174068	-0.3991926528	0.307956979
## 918465	-1.611911476	-0.605347431	-0.5808010309	0.864183378
## 91858	0.374663241	-0.557731987	-0.5765857494	0.110868884
## 91903901	0.509704766	-0.602966659	-0.5795715738	0.991195706
## 91903902	-0.891147676	-0.168475724	-0.1882529409	-0.261408627
## 91930402	0.239621716	1.331410790	1.3425967917	-0.992824444
## 919537	0.135493312	-0.917526192	-0.8309077334	0.456867983
## 919555	-0.032088339	1.575439945	1.6306410278	-0.243889685
## 91979701	1.398050217	-0.088124661	-0.2674651058	0.246640683
## 919812	1.059632902	-0.629155154	-0.6900470765	1.945978029
## 921092	0.853003099	-1.490697110	-1.1110483167	-0.296446511
## 921362	1.010822712	-1.570452980	-1.1539036786	1.192663535
## 921385	-0.975752005	-0.847591007	-0.7425624586	0.093349943
## 921386	0.984790611	0.185664147	-0.1259019020	0.071451265
## 921644	1.075902965	0.004130263	-0.0951654744	-1.154874655
## 922296	1.869882050	-0.439883760	-0.4408185576	-1.102317830
## 922297	-0.150859800	-0.240791681	-0.3371928874	-0.261408627
## 922576	0.555260943	-0.288109530	-0.2648305549	-0.471635928
## 922577	-0.635707684	-1.075549950	-0.8706016343	-0.169434183
## 922840	-0.591778513	-1.076740336	-0.9189017348	0.601399252
## 923169	-0.014191270	-1.135664449	-0.9069584372	-0.546091430
## 923465	0.939234434	-0.695221584	-0.6586081020	-0.524192753
## 923748	-0.147605788	-0.987461377	-0.8224771704	-1.413279045
## 923780	0.420219418	-0.876755467	-0.7797974452	-1.036621798
## 924084	1.679522310	-0.570231041	-0.5021157762	-0.392800690
## 924342	-0.102049611	-1.321364684	-1.0270939601	-0.966546031
## 924632	1.637220146	-0.548208898	-0.5003594089	-0.423458838
## 924934	1.502178621	-1.121677412	-0.9185504614	0.264159624

##	924964	-0.455109982	-1.171971226	-0.9366410445	-0.257028892
##	925236	1.393169198	-1.213039547	-0.9659723783	-1.097938094
##	925277	0.259145792	-0.040509216	-0.2583319959	-1.303785659
##	925291	1.868255043	-0.743432222	-0.7137580350	-0.112497623
##	925292	1.219079521	-0.210139239	-0.3054026394	-0.362142542
##	925311	2.053733764	-0.954428162	-0.7745283433	-1.738693387
##	925622	2.784259602	0.638010874	0.0604486678	0.408690894
##	926125	0.607325145	2.137897388	1.6482047007	0.364893539
##	926424	0.117596242	1.751021898	2.0135290977	0.378032746
##	926682	2.045598732	1.420689749	1.4936443789	-0.690622699
##	926954	1.373645122	0.578491567	0.4275294320	-0.808875556
##	927241	2.235958472	2.301575480	1.6517174353	1.429169249
##	92751	0.763517752	-1.431475401	-1.0748671504	-1.857384218
##		compactness_worst	concavity_worst	concave.points_worst	symmetry_worst
##	842302	2.614364658	2.107671818	2.294057599	2.7482041142
##	842517	-0.430065806	-0.146619958	1.086128616	-0.2436752590
##	84300903	1.081980138	0.854222319	1.953281664	1.1512420284
##	84348301	3.889974667	1.987839169	2.173873229	6.0407261473
##	84358402	-0.313118999	0.612639700	0.728618149	-0.8675895962
##	843786	1.720102933	1.262132653	0.905091401	1.7525273482
##	844359	0.021196330	0.509104292	1.195663738	0.2622449159
##	84458202	0.724148332	-0.021035343	0.623646991	0.4772205813
##	844981	1.816711165	1.278909223	1.390392844	2.3877561940
##	84501001	5.108382433	3.991920376	1.618591014	2.3683598934
##	845636	-0.630273655	-0.605339335	-0.226010864	0.0763637015
##	84610002	1.948911903	0.595863129	1.010062560	1.4405701796
##	846226	0.864611617	0.439601356	0.944645751	0.4448934136
##	846381	-0.393202139	-0.191677034	-0.041170346	-0.1483101142
##	84667401	3.293800184	2.023309633	1.615548372	1.1237639359
##	84799002	2.564153801	2.063094072	0.860973088	2.1291388522
##	848406	-0.426887904	0.092086677	0.704277011	0.2072887308
##	84862001	1.074353173	0.988434884	1.410170019	1.3015633584
##	849014	0.386019521	1.270281273	1.889386176	-0.2145808081
##	8510426	-0.489174790	-0.159082554	0.215932927	0.1232380947
##	8510653	0.148312424	-0.398747850	-0.635550513	0.4578242807
##	8510824	-0.886412586	-0.879660233	-0.796202025	-0.7285827749
##	8511133	2.168187166	1.717496715	1.896992782	2.8548837677
##	851509	0.036450261	0.207605350	1.312805466	-0.1272974552
##	852552	0.658047963	0.945774462	1.443639084	1.1512420284
##	852631	0.893848319	0.542178103	2.135840201	1.8834523775
##	852763	2.606102112	1.350329482	2.365559692	2.2034913380
##	852781	-0.270535107	0.347090552	0.523239796	-0.9047658391
##	852973	2.267337720	1.731876633	1.335625283	1.8204144004
##	853201	0.171193321	-0.111628825	0.471514877	-0.2339771087
##	853401	1.089607104	1.635051854	1.067872763	0.8780774611
##	853612	2.054418262	2.029540931	0.608433780	3.0068214560
##	85382601	0.645971934	1.373816681	1.066351442	1.0170842824
##	854002	2.572416347	1.614919969	0.972029531	1.2466071732
##	854039	2.072850095	1.223306875	1.092213901	2.2131894883
##	854253	0.821392145	1.288016505	1.014626523	3.1716900115
##	854268	1.077531075	1.181125783	0.457822987	1.1156821439
##	854941	-1.322484348	-1.073022194	-0.980890411	-1.4769567079
##	855133	-1.289942628	-1.189739193	-1.302497700	-2.1590599469
##	855138	1.069268529	1.106350210	1.691614429	-0.1515428310

## 855167	-0.317568062	-0.305278384	-0.051819593	0.1507161873
## 855563	0.098737147	0.623664304	0.422832601	0.1022254357
## 855625	3.115202071	2.166629480	2.049124896	2.8597328429
## 856106	0.750842712	0.451584621	0.526282438	1.3549031851
## 85638502	0.865247197	0.482261779	0.701234369	1.2805506994
## 857010	1.619045638	2.216000531	1.874172965	1.4518846883
## 85713702	-0.753576267	-0.974903222	-1.353461958	0.3301319681
## 85715	1.031769281	1.094846276	1.432989836	1.6151368853
## 857155	-0.245747469	0.157275637	-0.747367617	-0.2485243342
## 857156	-0.528580779	-0.210850258	0.206805000	-0.0480958943
## 857343	-1.068506391	-1.039948383	-1.178357895	-0.7560608675
## 857373	-0.610570660	-0.801385547	-0.437322369	-0.8966840471
## 857374	-1.050010999	-0.863554725	-0.785704910	-0.1871027155
## 857392	-0.156130622	-0.047398526	0.272221809	0.1943578637
## 857438	-0.308669936	-0.004738103	0.584092642	-0.3649021380
## 85759902	-1.061832796	-0.869642224	-0.782662267	0.6550200038
## 857637	0.615464072	0.554640698	1.437553799	1.0283987911
## 857793	1.110581260	0.414676165	1.046574267	1.2886324913
## 857810	-1.222571098	-1.295839020	-1.574509919	-0.7463627172
## 858477	-0.828574763	-0.744824537	-1.071256887	0.5160131826
## 858970	-0.988995274	-1.200763797	-1.351179976	1.0607259588
## 858981	-0.536843326	-0.873237203	-1.320905685	0.1151563028
## 858986	2.354412245	2.013243691	0.972029531	-0.0917375707
## 859196	-0.549554935	-0.635057832	-0.969632635	0.6162274025
## 85922302	0.965033332	0.624143634	0.867058373	0.7794795996
## 859283	0.555083927	0.144813042	0.711883617	0.6792653796
## 859464	-0.558453062	-0.853536716	-0.752083713	-0.0367813856
## 859465	-1.034629952	-0.612529294	-0.684537054	-0.8094006943
## 859471	1.158249795	4.696536347	0.918783291	2.1453024361
## 859487	-1.167275596	-0.806658184	-0.848687605	-0.8368787868
## 859575	-0.131342984	-0.016721368	0.978114816	-0.5653305779
## 859711	-0.067784937	-0.617322600	-1.015424401	-1.0453890187
## 859717	3.083423047	1.842602000	1.145460141	0.6663345125
## 859983	0.635167066	0.027377047	0.360458434	-0.5039089592
## 8610175	-0.444684157	-0.488382671	-0.426064593	-0.4570345660
## 8610404	-0.316296902	0.051343576	0.568879430	-0.4053110977
## 8610629	-0.739593496	-0.895382276	-0.616686131	-0.3083295945
## 8610637	1.964801415	0.510062953	1.454288331	1.3742994858
## 8610862	2.301659066	2.377055610	2.071944713	4.1043288004
## 8610908	-0.255281176	-0.474961414	-0.537729564	-0.1968008658
## 861103	-0.550826096	-0.463457480	-0.811415237	-0.2242789584
## 8611161	1.429007077	1.023905348	0.854887804	1.0122352072
## 8611555	2.245727984	1.799462247	2.618099001	-0.8821368217
## 8611792	0.174371223	-0.138950669	1.057223515	-0.9532565907
## 8612080	-0.342991281	-0.218040216	-0.582456406	0.7730141660
## 8612399	-0.288331361	0.208564011	0.754480609	1.2837834161
## 86135501	-0.360151954	0.300595484	0.120089695	0.1927415053
## 86135502	0.421612027	1.453864890	1.232175446	1.7056529550
## 861597	-0.050624264	-0.137992008	0.089663272	0.1151563028
## 861598	0.347249112	-0.056505807	0.381756930	0.4044844539
## 861648	-0.493623853	-0.864225788	-0.686819036	-0.6122049711
## 861799	-0.346804764	0.059492196	0.501941300	-0.5572487860
## 861853	-0.829210343	-0.657586370	-0.220686240	-1.4123023724
## 862009	-0.503157560	-0.642727121	-0.540011546	-0.3600530628

## 862028	1.055285759	1.189274403	1.474065506	-0.1079011546
## 86208	0.633260325	0.659614098	0.649509450	1.2740852658
## 86211	-1.021282762	-1.065976034	-0.848687605	-1.0890306951
## 862261	-1.013973586	-1.206467831	-1.381302134	-1.5626237023
## 862485	-0.439599513	-0.383409271	-0.458164469	-0.2081153745
## 862548	0.307207542	0.226299243	0.637338881	-0.2953987274
## 862717	-0.381126110	0.214315978	0.057715528	-0.4036947393
## 862722	-0.852091240	-1.304682669	-1.743528697	0.0505019673
## 862965	-1.052807553	-0.755849141	-0.613034961	-0.3341913287
## 862980	-0.152952720	-0.037332583	-0.260392721	-0.4505691325
## 862989	-0.671586386	-0.921841325	-1.256249537	-0.1208320217
## 863030	0.989185389	1.751529187	1.277815080	0.3980190204
## 863031	0.074585089	0.072434122	0.109440447	-0.1531591894
## 863270	-0.368414500	-0.376219312	-0.459229394	0.1329362450
## 86355	2.831097599	3.300725662	2.683515810	1.8656724352
## 864018	-0.220324250	0.190828779	-0.484179060	-0.1159829465
## 864033	-0.494259434	-0.681552899	-0.932056003	-0.5944250289
## 86408	-0.186002905	-0.242486077	-0.062468841	-1.0906470535
## 86409	1.048929954	1.946616739	0.546059613	-0.8126334110
## 864292	-0.313754580	-0.683949552	-0.810046048	-0.8368787868
## 864496	-0.113546731	-0.127446735	-0.146141504	0.0408038170
## 864685	-0.091301414	-0.584248789	-0.641027270	-0.7479790756
## 864726	-0.421803260	-0.564596235	-1.158428588	-2.0184367673
## 864729	1.231341550	0.950088437	1.340189246	1.1059839936
## 864877	1.514174860	2.221273168	1.350838494	0.6032965355
## 865128	-0.852091240	-0.226668167	0.059236849	3.2024008208
## 865137	-0.097021638	-0.297129764	-0.380729223	0.1862760718
## 86517	-0.159944105	0.263687029	0.803162885	-0.0109196514
## 865423	1.081344558	1.476872758	1.676401217	0.5192458994
## 865432	-0.479641083	-0.077596353	0.114004410	-0.0190014433
## 865468	-0.007404792	0.280942930	-0.377686581	-1.3783588463
## 86561	-0.758025330	-0.915705894	-0.967046389	-0.8675895962
## 866083	0.216955115	0.514856259	0.278307093	0.9201027792
## 866203	-0.177104778	0.232530540	0.109440447	-0.0965866459
## 866458	0.216319535	-0.365194708	0.421311280	-0.5022926009
## 866674	0.837917237	1.414559781	0.891399511	0.6534036454
## 866714	0.026916554	-0.829426387	-0.498023083	0.9184864208
## 8670	-0.094479317	0.512459606	0.559751503	-0.1030520794
## 86730502	0.325639376	0.129474463	0.252444634	0.9362663631
## 867387	-0.377312627	-0.485506687	0.346766544	-0.2873169355
## 867739	-0.170113393	0.595863129	0.354373150	0.3365974017
## 868202	-0.648069908	-0.261179970	-0.323983945	-0.1159829465
## 868223	-0.962682242	-0.803302870	-0.683472129	-1.9214552641
## 868682	-0.568622349	-0.634099171	-0.454056902	-0.3632857796
## 868826	-0.240662825	0.303471468	0.792513637	0.8295867095
## 868871	-0.458031347	-0.889150979	-0.433519067	-1.2910754934
## 868999	-1.158186796	-1.304682669	-1.743528697	0.3301319681
## 869104	-0.194901031	0.038401650	0.106397805	-0.1757882068
## 869218	-0.477098761	-0.935214649	-0.769578906	-0.5119907512
## 869224	0.003400076	-0.302881731	-0.203951707	1.0477950917
## 869254	-0.838744050	-0.837095676	-1.224301793	-0.9710365329
## 869476	-0.016302918	-0.853153251	-0.824346466	-0.2808515019
## 869691	0.984736326	0.854222319	1.093735222	4.6441925015
## 86973701	-0.013760596	-0.106356188	-0.464858282	-0.0788067036

## 86973702	0.122253625	0.182680159	0.689063800	-0.3390404038
## 869931	-0.456760186	-0.555009623	-0.827845505	-0.8902186136
## 871001501	-0.913742546	-0.915849693	-0.785704910	0.4772205813
## 871001502	1.123292869	1.274595248	-0.544879774	0.6808817380
## 8710441	0.145770102	2.633497477	0.646466808	0.3349810433
## 87106	-1.045879726	-0.963591020	-0.905889279	-0.0674921949
## 8711002	-0.182189422	0.137623083	-0.264500288	1.5327026076
## 8711003	-0.479641083	-0.373343328	-0.494371912	0.3430628352
## 8711202	0.607201525	0.412758843	0.561272824	-0.7075701159
## 8711216	-0.529216360	-0.402582495	-0.460142186	-0.6041231792
## 871122	-0.833023826	-0.890732770	-0.674800599	-0.6251358382
## 871149	-1.088908524	-1.215814777	-1.142150452	-0.2630715597
## 8711561	-0.413540714	-0.367112031	-0.540315810	0.4319625465
## 8711803	-0.334728735	-0.219478208	0.959858962	-0.7398972837
## 871201	0.828383530	1.959558665	1.674879896	1.1997327800
## 8712064	-0.130071823	-0.495572629	-0.496958158	-1.0227600013
## 8712289	0.661225866	0.587714509	1.825490689	1.1124494272
## 8712291	-0.980796286	-0.933201460	-0.868160515	-0.4117765312
## 87127	-0.817134314	-0.802823539	-1.043264578	-1.3104717941
## 8712729	-0.269263947	-0.193594356	0.498898658	-0.1466937558
## 8712766	0.818214242	1.039243927	0.874664979	-1.1973267070
## 8712853	-0.575613734	-0.986023692	-0.452687713	-0.8029352607
## 87139402	-0.811414090	-0.709354074	-0.314856018	-0.1192156633
## 87163	-0.633451557	-0.037332583	0.021203821	-0.0270832352
## 87164	0.661225866	1.489814684	1.035925019	0.5095477490
## 871641	-1.092340659	-1.115922282	-1.088447816	-1.6143471707
## 871642	-1.184436269	-1.304682669	-1.743528697	-0.3083295945
## 872113	-1.167529829	-1.304682669	-1.743528697	-0.4990598841
## 872608	0.258903426	0.366263776	-0.235899451	-0.4634999996
## 87281702	1.350195098	1.505153263	1.352359815	0.2476976904
## 873357	-1.397927750	-1.266446468	-1.602669573	-0.9791183248
## 873586	-1.269985401	-1.172483292	-1.136521564	-1.8066938187
## 873592	0.947872659	1.254942694	2.345782517	-0.0723412701
## 873593	3.204183337	1.945178747	2.672866562	1.9351758458
## 873701	0.638344969	0.086334710	0.600827174	0.8667629524
## 873843	-0.592774407	-0.514745853	-0.785704910	-1.7614357839
## 873885	0.480721011	0.435287381	0.121611016	0.4432770552
## 874158	-0.968402467	-1.271512992	-1.585007035	0.0521183257
## 874217	-0.062064712	0.391188966	0.646466808	0.4933841652
## 874373	-0.955055277	-0.575620838	-0.071596768	-0.5313870518
## 874662	-0.980478495	-0.882727949	-1.088447816	0.4836860149
## 874839	-0.567351188	-0.622595236	-1.011012570	-0.6768593066
## 874858	4.312000101	2.763875398	0.952252356	3.6614466025
## 875093	-1.045434820	-1.056101824	-1.017402119	-1.1666158977
## 875099	-1.442609057	-1.304682669	-1.743528697	-1.6030326620
## 875263	1.374982736	0.816355202	0.476078841	0.5079313907
## 87556202	1.338119069	0.894965419	0.883792905	0.1604143376
## 875878	-0.658874776	-0.459143504	-0.490720741	0.1992069388
## 875938	0.368223268	0.521087557	0.801641564	0.2897230085
## 877159	-0.368414500	-0.089579618	-0.346803762	-0.8595078042
## 877486	1.943827259	0.547930070	0.854887804	0.4723715062
## 877500	0.961855429	1.076152383	1.052659551	2.9938905889
## 877501	-0.318203643	-0.644644444	-0.100501870	-0.3762166467
## 877989	0.557626248	0.376809049	1.206312986	0.0440365338

## 878796	1.032404862	2.478194365	2.414241968	0.4804532981
## 87880	1.694679714	0.922287263	1.318890750	2.4750395469
## 87930	-0.104648604	-0.024390657	-0.199387744	0.1830433550
## 879523	0.501059586	0.290050211	0.161165366	0.8312030679
## 879804	-0.823490119	-1.006874572	-0.893414446	0.1426343953
## 879830	-0.671586386	-0.378615965	-0.076160732	0.6049128938
## 8810158	1.181766273	0.210960664	-0.030521098	1.9836665974
## 8810436	-0.226680055	0.115094545	-0.168961321	-0.9387093652
## 881046502	0.239836012	0.546012748	1.177407885	0.0133257244
## 8810528	-0.421167680	-0.599587368	-0.691839396	-0.5911923121
## 8810703	-0.652518972	0.229654557	0.682978515	-2.0249022008
## 881094802	-0.476463181	0.038880981	-0.071596768	-2.0976383282
## 8810955	0.963762171	0.489931068	0.952252356	2.9470161957
## 8810987	1.161427698	0.917493957	0.772736462	1.1787201210
## 8811523	0.319919152	0.040318973	-0.012265244	0.8021086170
## 8811779	-0.728153048	-0.381971279	-1.200264919	-0.0529449694
## 8811842	0.440043861	0.429056083	1.025275771	0.2735594246
## 88119002	0.987914229	0.610243047	0.728618149	-0.3034805193
## 8812816	-0.043632879	-0.461540157	-0.517952390	-0.8417278620
## 8812818	0.098737147	-0.069447733	-0.360647784	0.2654776327
## 8812844	-0.700823087	-0.989666604	-0.895392164	0.2493140488
## 8812877	1.231341550	0.601135766	0.506505264	1.7654582153
## 8813129	-0.782812968	-0.448598231	-0.271194101	-0.6380667053
## 88143502	-0.646798747	-0.522415143	-0.089852622	0.2606285575
## 88147101	-0.883234683	-1.178187326	-1.064410942	-0.4618836412
## 88147102	0.689191406	0.326000006	0.354373150	0.0860618518
## 88147202	0.579235985	0.569979277	0.051630244	-0.1208320217
## 881861	1.779847498	1.706472112	1.264123189	0.8182722008
## 881972	0.884314611	1.100598243	2.125190953	0.3365974017
## 88199202	-0.705907731	-0.782691654	-1.426637504	-0.0836557788
## 88203002	-1.178461813	-1.193573838	-1.286828092	0.0165584412
## 88206102	0.138778717	0.682621967	0.634296239	-0.7495954340
## 882488	-1.011304148	-0.961434032	-0.644830572	-0.2323607503
## 88249602	-0.654425713	-1.006011777	-0.532100676	-1.0906470535
## 88299702	1.006346062	1.485021378	2.201257009	0.3268992514
## 883263	-0.147232496	0.209043341	0.454780345	-1.0712507529
## 883270	-0.074140741	0.163986266	-0.493154855	-1.6337434713
## 88330202	0.757834097	0.248827780	1.399520771	-0.0771903452
## 88350402	-0.795524578	-0.569868871	-0.340566345	-0.5992741040
## 883539	-1.121831593	-1.005436581	-1.127089373	0.0003948573
## 883852	1.465235164	2.259619615	0.109440447	0.6582527206
## 88411702	-0.699551927	-0.653272394	-0.814610011	-0.3842984386
## 884180	0.270343875	0.352842519	0.635817560	0.0311056667
## 884437	-0.963953403	-0.738593240	-0.718766780	-0.0286995936
## 884448	-0.657603615	-0.203180968	-0.987432092	-0.2161971665
## 884626	2.101451217	2.399104818	0.631253597	-0.4230910399
## 88466802	-0.727517467	-0.765435753	-0.810046048	0.8215049176
## 884689	-0.610570660	-0.439970281	-0.281843349	-0.3826820803
## 884948	0.400002291	2.046317502	1.458852295	0.3640754943
## 88518501	-0.949335052	-0.916185224	-0.747976145	-0.2598388429
## 885429	2.168822747	2.764354729	2.070423392	-0.2452916174
## 8860702	-0.087487931	0.314496072	1.081564653	0.3834717949
## 886226	0.393010906	0.764587498	1.297592254	0.7730141660
## 886452	0.457204534	0.233489202	0.346766544	0.2703267079

## 88649001	1.770949371	0.732951679	1.209355629	-0.1337628888
## 886776	1.245959900	0.818272524	1.647496116	0.5774348013
## 887181	1.671163237	1.658059722	2.001963941	0.6081456106
## 88725602	1.920310782	1.428939699	1.320412071	0.9879898314
## 887549	0.255725524	0.511021614	0.838153271	0.4044844539
## 888264	-0.671586386	-0.724213322	-0.490720741	-0.7253500582
## 888570	0.206150247	-0.203180968	0.581049999	0.2687103495
## 889403	-0.467565054	-0.221395531	-0.440060747	-0.3519712709
## 889719	0.015476105	0.559434004	1.274772437	0.5095477490
## 88995002	0.064415802	0.345173230	0.780343068	-0.0529449694
## 8910251	-0.017574079	-0.386285254	-0.537729564	0.0634328344
## 8910499	-0.516504750	-0.608215319	-0.801983046	-0.7350482085
## 8910506	-0.466929474	-0.349856129	-0.864205080	1.1366948030
## 8910720	0.004671237	-0.090058948	-0.435192520	-0.4780472251
## 8910721	-1.295980642	-1.119373462	-1.236472362	-0.7156519079
## 8910748	-0.658239196	-0.693536164	-0.412372703	-0.2711533516
## 8910988	1.387058765	1.478790080	1.057223515	-0.1095175130
## 8910996	-1.020520065	-1.110889311	-0.958679123	-0.0965866459
## 8911163	-0.468200634	-0.307675037	-0.015307886	-0.6412994221
## 8911164	-1.084205229	-0.961817497	-0.382554809	-1.1003452038
## 8911230	-1.149034437	-1.280931838	-1.574509919	-0.2307443919
## 8911670	-0.878785620	-0.245362060	0.225060853	-0.5394688437
## 8911800	-1.131619532	-0.796592241	-0.954723688	-0.9144639894
## 8911834	-0.520318233	-0.606777327	-0.223272486	0.0876782102
## 8912049	0.825205628	1.453385559	1.104384470	0.5774348013
## 8912055	-1.075815566	-0.981853515	-0.482353475	0.3236665346
## 89122	0.766732224	0.764108167	1.682486502	1.1140657856
## 8912280	1.374982736	1.104432888	0.891399511	-0.2113480913
## 8912284	-0.143419013	0.298198831	-0.196345101	-1.4575604072
## 8912521	-1.195050463	-1.277940816	-1.610078407	-0.6396830637
## 8912909	0.171828902	-0.171065818	0.013597215	-0.7043373992
## 8913	-0.887048166	-0.736196587	-0.927187775	-0.9564893074
## 8913049	-0.444684157	-0.563637574	-0.326570191	0.0876782102
## 89143601	-0.999037445	-0.943794666	-0.799853196	0.5919820267
## 89143602	-0.044904040	-0.240568754	-0.190259817	-1.0162945677
## 8915	0.309749864	-0.439970281	0.521718475	0.0989927189
## 891670	-0.301678551	-0.230502812	-0.137013577	0.7746305244
## 891703	-0.498708497	-0.673883610	-0.353041178	0.3236665346
## 891716	-0.680484512	-1.053848970	-0.778554700	-0.8595078042
## 891923	-0.934716701	-1.125796492	-0.860858174	-0.1256810968
## 891936	-1.138992265	-1.166443726	-1.257618726	-1.2248047996
## 892189	-1.109247099	-1.011332347	-0.654262763	-1.4915039333
## 892214	-0.238756084	-0.554530292	-0.597973881	-0.4279401151
## 892399	-1.068569949	-1.105377009	-1.268115842	-1.0890306951
## 892438	0.999990258	1.629299886	1.268687153	0.1086908692
## 892604	-0.244476308	-0.392037221	-0.583521331	-0.3487385541
## 89263202	0.539194415	1.059375812	1.181971848	0.6356237032
## 892657	-0.952512955	-0.900942511	-0.750410259	-1.1116597125
## 89296	-0.479005503	-0.717023363	-0.905432883	-1.1197415045
## 893061	-0.751033945	-0.957695254	-1.011012570	0.5548057839
## 89344	-0.760567652	-1.250997643	-1.363198413	-0.4036947393
## 89346	-1.283523265	-1.234125206	-1.532217191	0.1458671121
## 893526	-1.245134204	-1.238582981	-1.407316726	-1.0243763597
## 893548	-1.244435066	-1.217252769	-1.206198072	-1.2829937015

## 893783	-0.925182994	-0.925292505	-0.870138233	0.9475808718
## 89382601	-1.165623087	-1.077192370	-0.859184721	-0.5992741040
## 89382602	-0.212697284	-0.456746851	-0.463945489	-0.5443179189
## 893988	-0.582605120	-0.905687884	-1.026225781	0.7907941083
## 894047	-1.122403615	-1.304682669	-1.743528697	0.3899372284
## 894089	-1.301255960	-1.211788401	-1.319992893	-1.5901017949
## 894090	-1.277167460	-1.107390197	-1.461780023	-0.9823510416
## 894326	0.140049878	0.542178103	0.958337641	-0.1434610391
## 894329	0.766096644	0.904552031	-0.001615996	0.3786227197
## 894335	-1.316573449	-1.197456416	-1.312690551	-1.6159635291
## 894604	-0.116089053	-0.394913205	-0.261153382	-0.4731981499
## 894618	-0.639171782	-0.055547146	0.424353922	0.2493140488
## 894855	-0.198078934	-0.446201578	0.013597215	-0.8384951452
## 895100	1.238968515	1.256860016	2.341218554	4.2950590900
## 89511501	-0.390659817	-0.745303868	-0.898282674	-0.3875311554
## 89511502	-0.845735435	-0.815765465	-0.891284596	-0.3438894790
## 89524	-0.911200224	-1.050301924	-0.847470548	-1.2943082102
## 895299	-1.146364999	-1.267620828	-1.318167307	-1.1795467648
## 8953902	0.256996685	0.419469471	0.664722662	0.3268992514
## 895633	-0.271170688	0.298198831	-0.150705467	-0.2663042764
## 896839	1.230070389	1.070879746	1.270208474	0.1911251469
## 896864	0.451484310	0.343735238	-0.243810321	1.1237639359
## 897132	-1.001516209	-1.240692035	-1.435917563	0.6323909864
## 897137	-0.993571453	-1.278233207	-1.489924464	-0.1386119639
## 897374	-1.040731524	-1.131212928	-1.137586488	-0.5604815028
## 89742801	-0.311212258	0.574293253	1.035925019	-0.4489527741
## 897604	-0.360787535	-0.609653310	-0.853555832	-0.7576772259
## 897630	1.451887974	0.916535296	1.372136990	1.2579216819
## 897880	-0.724975145	-0.798988894	-0.754822091	-0.0109196514
## 89812	0.086025538	1.005211455	1.434511157	-0.4974435257
## 89813	0.526482805	0.495203705	0.407619390	0.2460813321
## 898143	0.555083927	0.776091432	-0.508215934	0.1313198866
## 89827	-0.211426124	-0.202701638	-0.108108476	0.6469382119
## 898431	0.581778306	0.964468355	1.687050465	1.8495088514
## 89864002	-0.907386741	-0.783650315	-0.547161755	-0.2194298832
## 898677	-0.576249315	-0.961386099	-1.123742466	-0.7544445091
## 898678	-0.756754169	-1.088696304	-0.968719842	-0.0335486688
## 89869	-0.339177799	-0.273642565	0.159644044	0.3365974017
## 898690	-0.904208839	-0.833836228	-0.747367617	-0.0804230620
## 899147	-0.417989777	-1.155035658	-1.018467043	0.3608427775
## 899187	-1.204457054	-1.158678571	-1.095141629	-0.2743860684
## 899667	1.591080097	1.989277161	1.504491929	2.1727805287
## 899987	2.157382298	1.787478982	2.449232355	1.2757016242
## 9010018	-0.118631374	0.626540287	0.578007357	-0.3988456641
## 901011	-0.817769894	-0.729006628	-1.146866547	-0.5249216183
## 9010258	-0.343626862	-0.160041215	-0.334024664	-1.2603646841
## 9010259	0.073313928	-0.071365055	0.170293292	0.3430628352
## 901028	-0.975393852	-1.051356451	-0.898282674	-0.8708223130
## 9010333	-0.822854538	-0.852146657	-1.019075572	-0.7544445091
## 901034301	-0.949335052	-0.756328472	-0.974957259	-0.7221173414
## 901034302	-1.341043298	-1.287517841	-1.494792691	-1.0793325448
## 901041	-0.556546320	-0.723733991	-0.889459011	-0.4263237567
## 9010598	-0.447226479	-0.703122776	-0.479006569	-0.2533734093
## 9010872	-0.548919355	-0.507555894	-0.355627424	-0.8190988446

## 9010877	-0.550826096	-0.650875741	-0.680581619	-0.2582224845
## 901088	-0.105919765	-0.009531409	0.941603109	-0.4715817915
## 9011494	0.555083927	0.470278514	1.530354388	0.5984474603
## 9011495	-0.236849342	-0.148057950	-0.400354266	0.5127804658
## 9011971	-0.581333959	0.066682155	1.025275771	-0.6316012718
## 9012000	0.853171168	0.975013628	1.956324306	-0.2582224845
## 9012315	1.348923937	2.092333239	1.676401217	3.1086520344
## 9012568	-0.512055687	-0.651834403	-0.499392272	-0.6687775147
## 9012795	0.188989574	0.624143634	1.247388657	-0.2760024268
## 901288	0.325639376	0.688853264	1.469501543	-0.3422731206
## 9013005	-0.283882297	-0.659503692	-0.680581619	0.6824980964
## 901303	0.004671237	-0.291377797	0.159644044	0.4077171707
## 901315	0.684106763	1.585680803	0.485206768	-0.4909780921
## 9013579	-0.690018219	-0.924381777	-0.864052948	-0.3341913287
## 9013594	0.356782819	-0.073282378	-0.140056219	0.7859450331
## 9013838	4.345050285	2.722652968	2.096285851	2.0256919155
## 901549	-0.072234000	-0.227626828	0.261572561	0.7148252641
## 901836	-0.356338471	-0.560282259	-0.716028402	0.4869187316
## 90250	0.426696671	0.091128016	-0.082246016	-1.1472195970
## 90251	0.667581670	0.232051210	-0.252025455	-0.1321465304
## 902727	0.090474601	0.069078808	-0.348020819	-0.2663042764
## 90291	-0.611206241	-0.022473335	0.323946727	-0.6849410985
## 902975	-0.070962839	0.169738233	-0.353041178	-0.3616694212
## 902976	-0.832388245	-0.781732993	-1.053305297	-0.5798778034
## 903011	0.169286580	0.143375050	-0.485091853	-1.2021757822
## 90312	-0.081767707	0.530674169	1.032882377	-0.5249216183
## 90317302	-0.567351188	-0.891739364	-0.724852064	0.0585837592
## 903483	-0.783448549	-1.304682669	-1.743528697	-0.7366645669
## 903507	0.870967422	1.357040110	1.483193433	0.4626733558
## 903516	2.017554594	2.076035998	1.941111095	1.4987590815
## 903554	-0.489174790	-0.536315730	-0.790268873	0.2396158985
## 903811	-0.833659406	-0.899168988	-0.540011546	-0.6105886127
## 90401601	0.017382847	0.343255907	0.466950914	-0.3794493635
## 90401602	-0.464387152	-0.393475213	-0.481440682	-1.4753403495
## 904302	-0.421803260	-0.308154368	-0.898282674	-0.5022926009
## 904357	-0.519047072	-0.610132641	-0.928709096	-0.1968008658
## 90439701	2.144670689	3.025589902	1.244346015	0.5564221422
## 904647	-0.615019724	-0.578976152	-0.697468284	-0.7124191911
## 904689	-0.142783432	-0.535836399	-0.738239690	0.4950005236
## 9047	-0.371592403	-0.437094297	-0.467444528	0.6404727783
## 904969	-1.187423497	-1.068804085	-1.014359476	-0.9742692497
## 904971	-0.571164671	-0.627867873	-0.543662717	-1.0502380938
## 905189	-0.521589394	-0.197429001	-0.025957134	-0.1984172242
## 905190	-0.385575173	-0.423673041	-0.891436729	-0.6671611563
## 90524101	0.757834097	0.277587616	1.259559226	0.2573958408
## 905501	-0.475192020	-0.644644444	-0.293405390	0.8958574034
## 905502	-0.585147441	-0.436614967	-0.420283573	0.1167726611
## 905520	-0.674128708	-0.793236927	-0.613034961	0.1571816208
## 905539	-0.416718616	-0.409293123	-1.353461958	-0.8481932955
## 905557	0.509957713	0.187952795	0.246359349	0.4238807546
## 905680	-0.988995274	-0.563158243	-0.743260050	0.5370258416
## 905686	-0.226044474	-0.746741860	-0.486461042	0.2816412166
## 905978	-0.857811464	-1.010325753	-1.169990629	-0.0464795359
## 90602302	0.927534084	0.713778455	1.502970608	0.1652634127

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## 906290	-0.911835804	-1.132986451	-1.088447816	0.1216217363
## 906539	-0.384939593	-0.077596353	-0.729720292	0.2169868811
## 906564	0.694276050	0.238282507	-0.057904878	-0.1192156633
## 906616	-0.236849342	-0.201263646	-0.062468841	-0.1838699987
## 906878	0.396824389	0.449667299	0.396970142	-0.2533734093
## 907145	-0.756754169	-1.204742241	-1.045394428	0.4772205813
## 907367	-1.165178181	-1.245485341	-1.351179976	-0.8918349720
## 907409	0.288140128	0.104069942	-0.327178719	0.1927415053
## 90745	-0.538114486	-0.381012618	-0.604819827	0.1038417941
## 90769601	-1.220791472	-1.085149258	-1.128306430	-0.8368787868
## 90769602	-1.005583924	-1.138402887	-1.194027503	-1.1892449151
## 907914	2.890206583	3.018399943	2.021741115	-0.0561776862
## 907915	0.054882095	-0.152851256	-0.622315020	-0.5572487860
## 908194	0.253818783	1.239604115	1.562302132	0.2121378059
## 908445	0.584956209	0.570458608	0.854887804	0.1717288463
## 908469	-0.630909235	-0.719899347	-0.530883619	-0.6073558960
## 908489	0.651692158	0.645713511	1.035925019	0.4497424887
## 908916	-0.566080027	-0.963063756	-0.772317284	0.6663345125
## 909220	-0.820312216	-0.769270398	-0.609688054	-0.2840842187
## 909231	-0.890861649	-1.076856839	-0.847470548	-0.6267521966
## 909410	-0.969673627	-1.004621718	-0.493611251	-1.2361193083
## 909411	0.978380521	0.986038231	0.622125670	-0.5831105202
## 909445	1.003803740	1.109226194	0.902048759	-0.6477648556
## 90944601	-0.935352282	-1.136102100	-1.239667137	-1.6838505813
## 909777	-1.200262223	-1.113621495	-1.405491141	-0.3261095367
## 9110127	0.078398572	0.751645572	0.591699247	-0.0949702875
## 9110720	-0.458031347	-0.533439746	0.085099309	-0.4877453754
## 9110732	0.774994770	1.762553791	1.253473941	0.1151563028
## 9110944	-0.420532099	-0.317261649	-0.479615097	1.1302293694
## 911150	0.067593704	0.506707639	-0.283973199	-0.6946392488
## 911157302	0.354876078	0.803892606	1.725083494	-1.0227600013
## 9111596	0.544279059	0.237803177	-0.412372703	-0.9629547410
## 9111805	-0.443412996	0.601615096	0.486728089	-0.9823510416
## 9111843	-0.436421611	-0.436614967	-0.660956576	-0.7334318501
## 911201	-0.676671030	-0.646561766	-0.117236402	-0.4764308667
## 911202	-0.651883391	-0.400185842	-0.244875246	0.5968311019
## 9112085	-0.712899116	-0.969007455	-0.562527099	-1.1391378051
## 9112366	-0.325195028	0.096400652	-0.703705700	-0.0270832352
## 9112367	-0.940436926	-0.638413146	-0.829975355	-0.7382809253
## 9112594	-0.921369512	-1.090805359	-0.842754452	-0.9613383826
## 9112712	-0.911200224	-0.960043973	-1.003253832	-0.9370930068
## 911296201	-0.062700293	-0.039729236	0.622125670	0.1765779214
## 911296202	1.088971524	1.970583268	2.249939286	-0.4198583231
## 9113156	-0.688111478	-0.599108037	-0.897217749	-0.8983004055
## 911320501	-0.466929474	-0.413127768	-0.482657739	0.4998495987
## 911320502	-0.367143339	-0.405458478	-0.153748110	-1.0760998280
## 9113239	1.972428381	1.837808694	0.320904085	-0.0901212123
## 9113455	0.639616129	0.854222319	0.053151565	-0.5459342773
## 9113514	-0.818405475	-0.997479693	-1.363198413	0.2525467656
## 9113538	1.425193594	1.171059840	1.293028291	-0.9694201745
## 911366	0.213141632	0.222464598	0.410662032	-0.3891475138
## 9113778	-0.635993879	-0.692577503	-0.745542032	0.4416606968
## 9113816	-0.997893400	-1.039900450	-0.899651863	-0.8029352607

## 911384	0.157846131	0.205688027	0.001426646	-0.3438894790
## 9113846	-1.284730868	-1.304682669	-1.743528697	-0.7948534688
## 911391	0.861433714	0.308264774	-0.531644280	-0.5168398263
## 911408	0.042806066	0.361470470	-0.255220229	0.1701124879
## 911654	0.563346473	-0.100604221	0.293520304	-0.5928086705
## 911673	-0.341084540	-0.641289130	-0.796962686	-0.3584367045
## 911685	-0.338542218	-0.060340452	-0.613034961	0.0650491928
## 911916	1.219901101	1.521929834	0.956816320	0.6744163045
## 912193	-0.167571071	-0.528167110	-0.877896970	-0.7997025440
## 91227	-0.716712599	-0.502762588	-0.503651971	-0.8805204633
## 912519	-0.027743367	-0.418879735	0.287435020	0.5273276913
## 912558	-0.760567652	-0.469688777	-0.362625502	-0.6186704047
## 912600	0.277335260	0.614557022	0.465429593	-0.5556324276
## 913063	0.965033332	1.042119911	0.298084268	0.5337931248
## 913102	-0.300407390	-0.136554016	-0.552638512	-0.7205009830
## 913505	0.751478293	1.540623727	1.390392844	0.5903656684
## 913512	-0.677306610	-0.590480087	-0.250352002	-0.1563919062
## 913535	0.239836012	-0.117380792	-0.414350420	2.8710473516
## 91376701	-0.469471795	-0.715106041	-0.779771757	0.3220501762
## 91376702	-0.982003889	-0.802344209	-0.474594737	-1.8066938187
## 914062	-0.137063208	-0.085265642	0.521718475	0.5661202926
## 914101	-1.204393496	-1.224442728	-1.335814633	-1.0033637006
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## 914333	-0.733873272	-0.489820662	-0.196345101	-0.8595078042
## 914366	0.825841208	0.412279512	0.396970142	0.5321767664
## 914580	-0.023294304	-0.332600228	-0.141577541	0.2169868811
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## 91485	0.670123992	1.177770468	1.471022864	-0.6800920234
## 914862	-0.233035860	-0.415045090	-0.194823780	-1.1698486144
## 91504	0.904653187	0.315934063	0.570400751	1.2126636471
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## 915143	0.687920245	0.513897598	1.700742356	0.0117093660
## 915186	0.570973438	-0.298567756	-0.184174532	0.2218359563
## 915276	0.712072303	0.091607346	-0.108108476	-0.0852721372
## 91544001	-0.144690174	0.389750975	-0.513084162	-0.3099459529
## 91544002	-0.325195028	-0.702643445	-0.296143768	-0.1951845074
## 915452	-0.751033945	-0.371426006	0.320904085	-0.9710365329
## 915460	1.540869240	1.528640462	1.547088921	0.1814269966
## 91550	0.159117292	-0.015283376	-0.137013577	-0.4796635834
## 915664	-0.973487110	-0.776939687	-0.533317733	-0.9160803478
## 915691	0.834739335	1.142779335	1.376700954	1.1059839936
## 915940	-0.390659817	-0.110190833	-0.346043101	-0.4441036989
## 91594602	-0.280704395	0.069078808	-0.039649024	-1.0001309839
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## 916799	-0.004226889	0.497121027	0.553666219	0.2800248582
## 916838	0.487076816	0.701315860	0.710362296	-0.5685632947
## 917062	0.265894812	-0.707436751	-0.076160732	-0.5152234679
## 917080	-0.358245213	-0.622595236	-0.519625843	0.2751757830
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## 91762702	1.045752052	0.928039230	2.021741115	0.4141826042
## 91789	-1.125200169	-1.183268230	-1.312690551	-0.5556324276
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## 911673	-0.385677101
## 911685	0.434863325
## 911916	0.410501801
## 912193	-0.368513299
## 91227	-0.438275846
## 912519	0.515699292
## 912558	-0.794286300
## 912600	-0.118254006
## 913063	1.077121688
## 913102	-0.995822545
## 913505	0.340185584
## 913512	-0.205180354
## 913535	-0.427202426
## 91376701	-0.106073244
## 91376702	-1.397234022
## 914062	-0.426095084
## 914101	-0.756636672
## 914102	-0.534614600
## 914333	-0.994161532

## 914366	1.071584978
## 914580	-0.406162928
## 914769	0.581586141
## 91485	0.334648874
## 914862	0.085496923
## 91504	1.902091482
## 91505	-0.474264461
## 915143	-0.618772593
## 915186	2.284124474
## 915276	2.904235996
## 91544001	0.246061513
## 91544002	1.819040832
## 915452	-0.644795130
## 915460	1.259833119
## 91550	0.821879356
## 915664	-1.247189180
## 915691	1.492374940
## 915940	-0.745563252
## 91594602	-0.797608326
## 916221	-0.892286068
## 916799	-0.294321385
## 916838	0.410501801
## 917062	0.275959747
## 917080	0.089926291
## 917092	0.325236467
## 91762702	0.706715787
## 91789	-0.432739136
## 917896	0.352366346
## 917897	0.450919784
## 91805	1.160172339
## 91813701	0.149722759
## 91813702	-0.444366227
## 918192	-0.632060697
## 918465	-0.189677566
## 91858	-0.353010511
## 91903901	0.307518995
## 91903902	-0.339168736
## 91930402	-1.112093456
## 919537	-0.064547919
## 919555	-0.457100660
## 91979701	-0.024129936
## 919812	0.872263417
## 921092	0.854545945
## 921362	1.254296409
## 921385	-0.144276543
## 921386	1.016217878
## 921644	-0.796500984
## 922296	-1.080534209
## 922297	0.053937675
## 922576	-0.798161997
## 922577	-0.551224730
## 922840	0.600410955
## 923169	-0.262762138
## 923465	-0.425541413

```

## 923748          -0.998037229
## 923780          -0.200750986
## 924084          -1.057833698
## 924342          -0.554546756
## 924632          -0.638151078
## 924934          -0.061779564
## 924964          -0.914986579
## 925236          -0.789303261
## 925277          -0.216253774
## 925291          0.186818716
## 925292          -0.040740066
## 925311          -1.378409208
## 925622          3.153387948
## 926125          0.818557330
## 926424          -0.708467295
## 926682          -0.973122034
## 926954          -0.318129238
## 927241          2.217683953
## 92751          -0.750546291
## attr("scaled:center")
##          radius_mean          texture_mean          perimeter_mean
##          1.412729e+01          1.928965e+01          9.196903e+01
##          area_mean          smoothness_mean          compactness_mean
##          6.548891e+02          9.636028e-02          1.043410e-01
##          concavity_mean          concave.points_mean          symmetry_mean
##          8.879932e-02          4.891915e-02          1.811619e-01
## fractal_dimension_mean          radius_se          texture_se
##          6.279761e-02          4.051721e-01          1.216853e+00
##          perimeter_se          area_se          smoothness_se
##          2.866059e+00          4.033708e+01          7.040979e-03
##          compactness_se          concavity_se          concave.points_se
##          2.547814e-02          3.189372e-02          1.179614e-02
##          symmetry_se          fractal_dimension_se          radius_worst
##          2.054230e-02          3.794904e-03          1.626919e+01
##          texture_worst          perimeter_worst          area_worst
##          2.567722e+01          1.072612e+02          8.805831e+02
##          smoothness_worst          compactness_worst          concavity_worst
##          1.323686e-01          2.542650e-01          2.721885e-01
##          concave.points_worst          symmetry_worst          fractal_dimension_worst
##          1.146062e-01          2.900756e-01          8.394582e-02
## attr("scaled:scale")
##          radius_mean          texture_mean          perimeter_mean
##          3.524049e+00          4.301036e+00          2.429898e+01
##          area_mean          smoothness_mean          compactness_mean
##          3.519141e+02          1.406413e-02          5.281276e-02
##          concavity_mean          concave.points_mean          symmetry_mean
##          7.971981e-02          3.880284e-02          2.741428e-02
## fractal_dimension_mean          radius_se          texture_se
##          7.060363e-03          2.773127e-01          5.516484e-01
##          perimeter_se          area_se          smoothness_se
##          2.021855e+00          4.549101e+01          3.002518e-03
##          compactness_se          concavity_se          concave.points_se
##          1.790818e-02          3.018606e-02          6.170285e-03
##          symmetry_se          fractal_dimension_se          radius_worst

```

```
##          8.266372e-03          2.646071e-03          4.833242e+00
## texture_worst perimeter_worst area_worst
##          6.146258e+00          3.360254e+01          5.693570e+02
## smoothness_worst compactness_worst concavity_worst
##          2.283243e-02          1.573365e-01          2.086243e-01
## concave.points_worst symmetry_worst fractal_dimension_worst
##          6.573234e-02          6.186747e-02          1.806127e-02
```

```
data.dist <- dist(data.scaled)
data.dist
```

```
##          842302      842517 84300903 84348301 84358402      843786      844359
## 842517      10.309426
## 84300903      6.771675      5.027592
## 84348301      10.463467      16.236452      12.833428
## 84358402      8.663413      4.375039      4.458306      15.361783
## 843786          8.402233      8.636180      6.885051      9.362930      8.235620
## 844359          9.843286      2.533798      4.431417      15.019438      4.920386      7.065364
## 84458202      8.929482      7.055800      5.997905      11.325629      6.939961      3.582305      5.780860
## 844981          8.460437      8.745629      6.302019      9.329609      8.685962      2.692775      6.876446
## 84501001      11.183061      14.190212      11.656882      8.472046      13.897607      8.271826      12.868519
## 845636          12.748000      4.713225      7.517024      16.371218      7.394356      8.415097      3.980423
## 84610002      8.363450      4.967877      4.249554      12.318201      5.873094      4.927077      3.688425
## 846226          10.104981      12.215681      9.648420      13.610601      10.995883      12.224841      12.269454
## 846381          11.831489      5.606990      6.395560      15.240176      5.954309      8.126174      5.067701
## 84667401      8.795377      9.905752      7.442862      8.879575      9.571560      4.261600      8.463319
## 84799002      8.940154      8.717955      6.520378      9.790415      9.139905      4.402474      7.029326
## 848406          11.218622      4.515949      6.185314      15.021900      6.174510      6.669885      2.976629
## 84862001      7.104093      6.710604      4.421995      10.737201      6.582130      3.830273      5.131675
## 849014          9.395328      4.052172      4.336321      16.084289      4.865025      9.201365      3.796792
## 8510426          11.655172      5.806473      7.233677      14.873262      6.319202      6.402997      4.860363
## 8510653          11.645611      6.752034      7.937243      14.154985      7.801845      5.702085      5.540953
## 8510824          13.504653      8.617341      10.012752      15.457610      8.726424      7.461549      7.949380
## 8511133          6.439353      8.701006      5.583709      9.220053      7.745343      5.197555      7.716080
## 851509          10.596898      3.612942      5.352819      16.944811      5.996455      9.934417      3.725186
## 852552          7.511414      5.287981      3.869033      13.310113      5.794841      6.650944      4.002844
## 852631          4.906745      8.839330      5.418522      10.915414      7.399943      7.359732      8.442058
## 852763          8.637058      7.822286      5.972291      10.439750      8.623297      4.090776      6.147178
## 852781          9.825794      4.578856      4.869360      15.313609      3.494102      8.309801      4.609296
## 852973          8.449243      6.830792      4.757618      11.575809      7.448830      4.995362      4.782035
## 853201          9.253827      3.414970      4.603754      14.599046      3.705644      6.680191      3.136485
## 853401          6.991827      6.136471      3.178060      12.718621      5.764411      7.011603      5.062092
## 853612          8.272373      9.040140      7.371494      8.837967      9.277182      3.067162      7.592235
## 85382601      7.831239      6.348092      3.635910      12.102475      5.719753      5.514153      4.768166
## 854002          8.207293      5.552946      4.185699      12.910103      6.602700      6.733237      4.379783
## 854039          8.181787      6.047359      5.058798      11.417780      7.115445      4.071896      4.548122
## 854253          9.005081      5.722088      4.650539      12.315793      6.651716      5.821964      4.067777
## 854268          9.969499      5.994716      5.656758      12.470184      6.760116      4.571273      4.236936
## 854941          14.939600      7.909367      10.273570      17.685173      9.183862      9.893589      7.507450
## 855133          14.297250      8.024711      9.785954      19.017937      8.341965      11.537297      8.121897
## 855138          10.582520      6.276625      6.403554      13.089365      7.125636      4.554862      4.518211
## 855167          13.364489      5.995239      8.368541      16.449831      8.294015      8.279504      4.956606
## 855563          11.747450      8.394838      8.113105      12.896289      8.684634      4.715655      6.505581
## 855625          7.733106      11.114813      7.548690      11.316037      10.164264      10.632107      10.714272
```


## 856106	9.624712	6.067128	5.878365	12.154406	7.061679	3.792533	4.256247
## 85638502	11.475432	6.328342	7.119303	13.845814	8.092749	5.509878	4.387182
## 857010	6.389467	5.829232	2.673908	12.030854	4.924646	5.809615	4.711094
## 85713702	14.543665	9.309678	10.839526	15.695232	10.086897	8.207851	8.401736
## 85715	9.384897	7.308627	6.253797	10.966970	7.731833	2.500651	5.532523
## 857155	12.349896	6.822058	8.411982	15.138406	7.624933	6.317822	5.578261
## 857156	12.947193	5.999550	7.808706	15.835017	7.808293	7.767133	4.824443
## 857343	14.343437	7.470572	9.710714	16.989614	8.816114	9.105644	6.798455
## 857373	13.925244	6.378898	9.306975	17.124241	8.218423	8.725149	5.919309
## 857374	13.760720	7.070857	9.362762	16.280618	8.425873	8.194385	6.468309
## 857392	8.164320	4.932138	4.075798	13.657558	4.734588	6.806709	4.375330
## 857438	12.388929	4.762294	7.095881	15.971481	6.991411	7.516653	3.370493
## 85759902	13.193085	7.486932	8.975141	15.222541	8.392818	7.692981	6.664622
## 857637	7.805031	3.838849	2.927717	14.025263	4.435029	7.251984	3.173596
## 857793	8.983572	5.994034	4.981196	11.746067	6.937537	3.981760	4.332346
## 857810	14.454493	7.211906	9.896982	17.553704	8.641814	9.625898	6.946630
## 858477	13.986480	9.651896	11.008579	14.985647	10.002026	7.302570	8.718358
## 858970	12.774729	9.849735	10.280879	13.790422	10.064169	7.884139	9.240025
## 858981	13.681587	10.173321	10.345430	13.937172	10.032404	7.310739	8.958232
## 858986	7.698996	8.372007	5.710154	10.845868	7.061931	5.150139	7.156644
## 859196	13.000362	9.860880	10.325319	14.034453	9.884291	8.424702	9.428385
## 85922302	9.980318	6.979199	6.055794	11.972960	7.376415	4.017011	5.049836
## 859283	9.843067	6.247334	5.343531	12.403231	6.763924	4.516778	4.306919
## 859464	13.721032	9.081616	9.960396	14.380626	9.653449	7.007751	7.910057
## 859465	14.212860	7.467751	9.597278	16.740837	8.378659	8.620071	6.715832
## 859471	13.898494	15.910579	13.682362	12.535487	14.205631	11.684756	14.997739
## 859487	13.792376	6.998499	9.202530	16.644161	7.850728	8.283495	6.313472
## 859575	10.385434	2.749259	4.996933	16.732852	4.604527	9.210990	2.982311
## 859711	14.154792	13.457431	12.984277	14.146179	12.092797	10.462069	13.314993
## 859717	7.727936	7.160416	4.972435	11.524414	7.441529	5.850654	5.991582
## 859983	10.829136	5.607737	6.911073	14.115174	6.641435	5.248978	4.396736
## 8610175	13.052925	6.428443	8.580000	16.018190	7.841061	7.492135	5.545374
## 8610404	10.573678	4.411957	5.406173	15.589513	4.164253	7.758310	3.880995
## 8610629	11.406568	8.253507	8.536429	14.081998	7.291344	6.679369	7.753809
## 8610637	4.825704	6.992550	3.702386	11.345719	5.510428	6.607281	6.760971
## 8610862	8.702467	15.038243	10.977976	9.944294	13.314660	12.622519	14.396877
## 8610908	12.496919	6.309602	8.036203	15.196513	7.544746	6.727480	5.184801
## 861103	12.775246	8.188095	8.992204	14.219658	8.645030	6.465795	6.952631
## 8611161	9.329308	7.070873	6.174785	11.286789	7.034517	2.840055	5.548880
## 8611555	8.212310	9.406562	6.784788	15.497619	8.223773	11.565134	9.370894
## 8611792	9.789816	8.253465	6.449898	13.383655	7.415382	8.558147	7.810926
## 8612080	12.417662	6.986136	8.373454	14.632531	8.143870	6.447019	5.820709
## 8612399	8.429660	3.618836	3.593250	13.790300	4.458097	6.878710	3.125798
## 86135501	11.231206	6.278435	6.474263	14.372834	6.343465	7.112582	5.298717
## 86135502	9.191672	3.918596	3.838465	14.049472	5.827650	7.299292	2.770328
## 861597	11.898876	6.572095	7.487764	13.952359	7.625900	6.133941	5.406163
## 861598	9.109215	5.885361	5.320168	12.770606	5.519524	5.061834	5.035833
## 861648	12.936881	5.703058	7.830560	16.049858	7.498131	8.107299	4.912918
## 861799	11.444491	5.369347	6.140431	14.764491	5.582253	7.012553	4.436335
## 861853	13.998856	6.167879	9.247155	18.177360	7.789898	9.711871	5.962337
## 862009	12.774425	6.186050	8.012186	15.785993	7.353401	7.386261	5.087829
## 862028	8.719080	5.609568	4.210256	12.916864	4.705098	5.029458	4.155618
## 86208	8.591928	4.299976	3.474082	14.057143	5.184355	8.004623	4.028621
## 86211	13.105663	7.245839	8.878591	15.688995	8.009175	7.708069	6.657146

## 862261	14.830836	9.258369	10.988403	16.398763	9.800203	8.698695	8.562181
## 862485	12.732769	7.145368	9.030253	15.292964	8.039063	6.776134	6.274516
## 862548	10.770125	5.722579	6.223332	13.671476	6.361098	5.505772	4.431042
## 862717	12.278301	5.699426	7.121216	15.564595	7.144694	7.465285	4.273839
## 862722	14.548695	11.004799	12.027800	14.752002	11.295304	7.820820	10.038785
## 862965	14.574880	7.323813	9.724501	17.133852	9.216731	9.036805	6.450545
## 862980	12.795308	8.028746	8.793427	14.314438	8.435141	6.058641	6.679036
## 862989	13.045466	8.212490	9.270500	14.750893	8.797243	7.311463	7.336692
## 863030	8.530912	8.970082	7.221117	10.204945	8.091135	2.701101	7.602215
## 863031	11.734124	7.478842	7.793617	13.505016	7.713969	5.112086	6.003720
## 863270	13.812629	7.008122	9.246808	16.365873	8.881585	8.013411	5.905833
## 86355	5.958259	12.593178	8.375335	13.020443	10.605016	11.996811	12.158269
## 864018	13.188208	7.599146	9.012727	14.945077	8.526416	6.740665	6.222098
## 864033	13.029849	9.029744	9.751361	14.208079	8.671294	7.083381	8.216288
## 86408	11.782752	7.756165	7.792872	13.864632	6.995723	6.672016	7.044019
## 86409	10.636815	10.217199	8.883736	13.114250	9.008391	8.752089	9.771990
## 864292	12.399838	9.068745	9.219459	13.425970	8.588992	6.422002	8.242449
## 864496	12.858342	9.306670	9.886410	13.512562	9.478706	5.530235	8.057369
## 864685	12.865911	6.904761	8.419790	15.174952	7.865881	6.717561	5.754364
## 864726	14.260946	10.908383	11.220484	15.809533	9.439023	9.464068	10.490252
## 864729	7.879403	6.545376	4.888951	11.175402	6.399217	2.946008	4.811693
## 864877	7.428291	7.571686	5.096372	10.553493	6.873263	4.074479	6.129780
## 865128	11.706166	6.748001	7.471241	15.090330	8.283281	9.540076	6.414726
## 865137	12.928864	7.477088	9.276486	15.430185	8.382674	6.830606	6.511936
## 86517	8.383547	3.708111	3.633312	14.021975	3.251482	6.680809	3.388419
## 865423	10.659625	15.399145	12.062008	15.680037	12.397866	15.033930	15.411630
## 865432	10.933792	5.824388	7.117803	14.549644	6.348027	5.991587	4.969745
## 865468	13.412085	6.662101	8.880095	16.711437	7.661672	8.468049	6.147443
## 86561	13.836741	6.297287	9.187675	17.125971	8.138083	8.574562	5.683626
## 866083	12.306988	6.212194	7.480998	14.812529	8.218807	6.787589	4.355439
## 866203	10.653023	3.320851	5.445088	16.423002	4.911637	9.112226	3.730243
## 866458	9.594235	6.351979	5.556177	13.072101	5.228205	5.512005	5.599520
## 866674	8.661494	5.166110	3.587982	13.765757	5.715435	7.179498	3.975207
## 866714	11.695407	7.280421	8.278406	13.557666	7.954932	5.602431	6.340171
## 8670	9.853230	4.427814	4.889610	14.237592	4.981285	5.690397	2.594634
## 86730502	10.152161	4.655888	5.197218	14.053819	6.194446	6.175714	2.910083
## 867387	11.439166	4.449516	6.647506	15.621532	5.722839	7.142150	3.869107
## 867739	10.238289	3.195903	4.837144	15.292618	4.976494	7.516568	1.814733
## 868202	13.267602	6.669710	8.423767	15.526714	8.102847	7.365257	5.419386
## 868223	13.950128	7.836424	9.654778	16.989088	8.344536	8.804366	7.191832
## 868682	13.548458	7.219095	9.153555	16.207233	8.396454	7.723392	6.267920
## 868826	8.900912	8.586947	6.570706	13.024254	6.725533	8.522622	8.187804
## 868871	12.762301	8.087354	8.841576	15.404584	7.479285	7.296358	7.413540
## 868999	14.605410	9.138423	11.244396	16.464196	10.203662	8.719731	8.555744
## 869104	9.641108	3.845827	5.065127	14.476303	4.475797	6.491650	3.101154
## 869218	12.989433	7.721352	9.005912	14.878806	8.482185	6.875887	6.658243
## 869224	11.953664	6.283682	7.887088	14.546731	7.666537	6.390918	5.159471
## 869254	14.718949	7.994401	10.461932	17.516040	9.092928	9.312698	7.452427
## 869476	11.173632	8.752576	8.810754	12.362904	8.233891	5.677605	8.176676
## 869691	9.698605	10.820466	8.691325	8.488295	10.733717	6.426852	9.673005
## 86973701	11.133406	6.748894	7.330062	13.871245	7.082425	7.460650	6.496595
## 86973702	11.089285	5.195513	6.494921	14.743289	5.879383	6.077508	4.115379
## 869931	13.968963	6.369416	9.240608	17.462505	8.280082	9.091237	5.873183
## 871001501	12.374393	7.484807	8.233032	14.690171	8.183005	7.423477	6.580361

##	871001502	12.590586	11.832091	11.094732	10.909988	11.468431	6.523962	10.791447
##	8710441	18.775900	21.422765	19.344314	18.108039	19.267111	18.471093	21.228959
##	87106	13.690904	7.918852	9.773764	16.003843	8.548436	7.917069	7.232030
##	8711002	11.137071	6.507200	7.350235	13.384312	7.031307	5.503566	5.405351
##	8711003	12.762598	6.644215	8.456988	15.163966	8.110179	6.986650	5.654475
##	8711202	8.122032	5.462493	3.529553	13.674111	3.648699	6.762665	4.848908
##	8711216	12.910264	5.329282	7.881646	17.375630	7.200406	9.656524	5.226796
##	871122	13.781814	7.143150	9.601495	16.613441	8.403096	8.033522	6.498764
##	871149	14.735846	7.962253	10.695064	17.505308	9.355910	9.318607	7.535131
##	8711561	11.308286	7.595909	7.653794	13.164820	7.480486	6.086835	6.536615
##	8711803	9.875867	5.257007	5.440390	16.280439	3.773138	9.907974	6.084779
##	871201	6.528890	5.186203	2.840969	13.634585	5.083117	7.420893	4.451268
##	8712064	12.622876	7.509181	8.416312	14.420695	7.749022	6.569093	6.504733
##	8712289	9.124959	3.607407	4.097584	15.649214	5.431355	9.643806	4.395268
##	8712291	14.245480	6.214958	9.128912	17.567476	8.327287	9.399689	5.683150
##	87127	14.417280	8.545145	10.796985	17.100836	9.085888	8.563898	7.955289
##	8712729	10.414801	3.446805	5.084639	15.271988	4.694200	7.603176	3.167585
##	8712766	8.613152	5.912146	4.703402	14.809007	5.205639	8.235823	5.347959
##	8712853	12.886053	5.517637	7.977481	16.545769	7.062738	7.979561	4.826239
##	87139402	12.642234	6.962044	8.574433	15.514787	7.432136	7.123055	6.233754
##	87163	12.127857	5.166305	7.239714	15.758296	6.760243	7.386852	3.932968
##	87164	7.662986	6.392504	5.150687	12.024077	5.550752	3.803409	5.183156
##	871641	14.315280	9.110863	10.534271	16.128534	8.800032	8.814058	8.790808
##	871642	14.860860	9.102071	11.132551	17.029761	10.003507	9.671063	8.584971
##	872113	15.092752	9.655672	11.643096	16.619941	10.424533	9.063675	9.059885
##	872608	12.979444	12.395117	11.378574	12.557934	11.097351	9.280690	11.989363
##	84458202	844981	84501001	845636	84610002	846226	846381	
##	842517							
##	84300903							
##	84348301							
##	84358402							
##	843786							
##	844359							
##	84458202							
##	844981	3.956471						
##	84501001	9.673092	8.397108					
##	845636	6.621034	8.330510	13.872870				
##	84610002	4.311160	5.004363	10.253706	5.287090			
##	846226	10.832879	11.679678	13.446005	13.228865	10.961766		
##	846381	6.500863	7.860154	13.783294	4.561025	5.328845	11.418434	
##	84667401	5.375376	4.158511	5.313421	9.700635	5.955097	10.970633	9.167437
##	84799002	4.700831	3.257461	6.811722	8.209437	4.966986	11.377416	8.211645
##	848406	5.063505	6.734957	12.835439	2.699527	4.114700	12.653354	4.365286
##	84862001	3.194330	3.359341	9.132202	7.388633	4.093156	10.759538	7.358575
##	849014	7.742213	8.899286	13.785778	6.646398	5.713379	11.765921	6.923625
##	8510426	5.568629	6.998756	13.615202	4.811246	5.087568	13.472590	4.208947
##	8510653	5.144261	6.227453	12.818384	5.027311	5.216171	13.630598	5.735048
##	8510824	6.650332	8.536026	14.460606	6.794415	7.574101	14.528777	6.378503
##	8511133	6.370342	4.857041	9.903826	9.843064	5.467307	10.079292	7.899964
##	851509	8.185610	9.443532	14.574986	5.979036	6.227672	12.489793	7.172039
##	852552	5.449792	6.275820	11.656678	6.912622	4.529673	11.454187	7.400002
##	852631	6.643727	6.901209	11.555743	10.982401	7.343151	8.971191	9.622940
##	852763	4.635746	3.015578	7.910627	7.706217	4.120228	11.772105	7.892152
##	852781	6.235201	8.354279	13.469011	5.766625	5.307990	9.896992	4.296102

## 852973	4.762441	3.789350	9.141095	6.626076	3.476252	11.379748	6.795336
## 853201	5.365236	7.091324	13.065135	4.784758	3.634332	11.169576	4.417665
## 853401	5.783549	6.091154	10.691218	7.525047	4.842284	9.386007	7.021285
## 853612	4.444826	3.466633	7.391881	8.591520	5.043394	11.722976	8.683023
## 85382601	4.581079	4.510313	10.637908	7.078474	4.528741	10.385943	6.174076
## 854002	6.098189	6.170195	10.045845	6.745248	3.784645	11.392467	7.177919
## 854039	4.630916	4.044001	9.205907	6.394854	2.493406	11.985079	6.969057
## 854253	5.667801	5.160889	11.263908	5.707724	3.201597	11.682022	5.332145
## 854268	4.095494	4.402441	10.082448	4.729070	2.771523	11.646404	4.602406
## 854941	8.473815	10.214574	15.969003	5.085691	8.147110	14.076012	5.637844
## 855133	8.891599	11.565281	16.905346	6.609410	8.999475	12.775791	6.719688
## 855138	4.326047	4.944243	10.376980	5.375553	3.876957	12.954203	5.783603
## 855167	6.973116	8.125936	14.200303	2.595257	5.771248	14.215489	4.667092
## 855563	3.945727	4.865834	10.745205	6.408254	5.959716	13.405357	6.803324
## 855625	10.326288	9.819781	11.411234	12.451367	8.757330	6.962872	10.429285
## 856106	3.174350	3.805409	10.387437	4.909025	3.051246	12.173520	5.538121
## 85638502	5.149444	5.371201	11.440854	4.210526	4.146291	13.851992	5.846994
## 857010	6.007731	5.697813	10.755442	7.954818	3.920249	10.700094	6.907586
## 85713702	7.548496	8.870134	14.639573	6.364672	7.911007	15.348428	6.428039
## 85715	3.267800	2.849257	9.229087	6.760266	4.010594	12.517934	6.854445
## 857155	5.783308	7.169942	13.240198	4.807881	5.639579	14.398173	5.683844
## 857156	6.214809	7.496224	13.673836	2.715510	5.479879	13.146368	3.794725
## 857343	7.595349	9.388525	15.306185	4.008677	7.264399	14.337833	4.902687
## 857373	7.545979	9.306678	14.768101	3.565743	6.568446	14.654721	5.435130
## 857374	7.019902	8.654006	14.808649	4.472469	6.793242	14.647074	4.989462
## 857392	5.278768	6.587047	12.696506	6.056233	4.628839	9.693465	5.648446
## 857438	5.994142	7.466667	13.418246	2.116922	4.880748	13.654673	4.483442
## 85759902	6.673622	8.030616	14.556228	5.019537	6.601393	14.001014	4.628793
## 857637	5.938055	6.989333	12.575365	6.345341	4.120619	10.858443	6.346932
## 857793	3.141942	3.451694	9.765608	5.349040	2.776317	10.994570	5.746304
## 857810	7.983378	9.964626	15.989372	4.400833	7.562784	14.639263	5.167566
## 858477	7.281782	8.668096	14.200162	7.634929	8.180847	16.087483	7.930400
## 858970	7.066657	8.331819	14.585276	8.404033	8.369889	13.375982	7.625535
## 858981	6.312988	7.834157	13.392134	7.600524	8.014927	13.734912	6.831217
## 858986	4.615416	5.195083	7.993530	8.687296	5.016469	9.437473	7.449481
## 859196	7.597236	8.903830	13.880822	8.168169	8.038482	11.976145	6.605882
## 85922302	2.878097	3.825643	9.787629	5.765716	3.944909	12.008384	5.903740
## 859283	3.118150	3.852801	10.674646	5.189923	3.880347	11.558105	5.234005
## 859464	5.654766	7.547144	12.765008	5.992428	7.200092	13.767900	6.313038
## 859465	7.413714	9.126450	14.995153	4.587857	7.127848	14.792189	4.700156
## 859471	12.882186	11.970366	11.939994	15.774874	13.136466	13.640743	13.435075
## 859487	7.223297	8.902247	15.229744	4.732575	6.984815	14.788017	4.907818
## 859575	7.421658	9.008434	14.691184	4.817967	5.343745	11.939995	5.420184
## 859711	9.929309	11.718186	13.419428	12.802109	11.494472	13.277610	11.466778
## 859717	5.411107	5.560056	7.855995	7.924973	4.113142	10.564167	8.062963
## 859983	4.600515	6.148824	11.804923	4.635419	4.094792	13.202121	5.656452
## 8610175	6.338165	7.948529	13.983511	3.771759	5.809900	14.040386	4.873000
## 8610404	5.831430	7.850517	13.908428	4.935038	4.896511	11.913737	3.652646
## 8610629	5.903975	7.670658	14.111818	8.104609	7.271890	13.411544	6.863367
## 8610637	6.070034	6.808140	10.798533	9.254136	5.010840	9.026945	7.973991
## 8610862	12.991180	11.710783	13.535566	16.511215	12.928481	9.712236	14.243810
## 8610908	5.540759	7.143163	13.305657	3.588465	5.258133	13.518028	4.533036
## 861103	4.703464	6.878949	12.381032	5.459509	6.502569	13.053750	5.918406
## 8611161	3.563421	3.668650	9.662396	6.479837	3.513624	11.797998	5.867563

## 8611555	10.570636	11.029610	12.998114	12.234954	9.622853	10.375039	11.654490
## 8611792	6.875990	8.254680	11.816016	8.689818	7.312673	7.580487	7.861024
## 8612080	5.609288	6.797701	13.207849	4.625760	5.496212	13.735851	5.091920
## 8612399	5.265878	6.582148	12.678481	5.272846	3.860300	10.277670	5.030175
## 86135501	5.323077	6.793336	12.760044	4.999032	5.083872	10.723953	2.905583
## 86135502	6.376276	6.580929	12.004647	5.135433	3.753484	11.467168	5.467616
## 861597	4.485913	6.203046	11.838115	3.928030	4.714465	12.058209	4.028948
## 861598	4.297189	5.485634	11.930397	6.093421	3.833755	10.848611	4.721719
## 861648	6.294774	8.056246	14.052484	2.306984	5.610931	13.018199	3.707047
## 861799	5.626140	6.973563	13.148127	4.426188	4.931320	12.030558	2.120169
## 861853	8.267713	10.146154	15.839744	4.051113	7.030152	14.541227	5.348993
## 862009	6.004603	7.658401	14.031812	3.463617	5.611805	13.527093	4.216935
## 862028	4.079702	5.054584	10.861317	6.173471	3.429482	10.938931	4.764315
## 86208	6.486402	7.319970	12.464260	5.865370	4.246338	9.590228	5.263547
## 86211	6.082187	8.183292	14.397835	5.058737	6.774498	13.005182	5.060339
## 862261	7.122206	9.586125	14.334161	6.180161	8.328876	14.626258	7.040469
## 862485	6.339346	7.850410	13.702477	5.299708	6.191527	14.741196	6.081472
## 862548	3.660281	5.617627	11.151646	4.286975	3.879213	11.299750	4.262443
## 862717	5.635881	7.192801	13.036430	2.504735	5.085347	12.720271	3.898611
## 862722	7.415007	8.994366	14.302140	8.577335	9.249374	15.858495	9.012602
## 862965	7.520911	9.031281	14.892612	3.482582	7.126830	14.627749	5.241660
## 862980	5.021184	6.554430	12.379065	5.579160	6.118325	13.712059	5.359807
## 862989	5.924590	7.609381	13.787321	5.721639	6.803446	13.160653	5.205514
## 863030	4.323415	4.407018	8.168787	9.221806	6.130635	12.229209	9.052371
## 863031	3.831402	5.701256	11.504691	5.460126	5.278930	12.718099	5.484322
## 863270	7.083570	8.219898	14.194540	3.631750	6.352751	14.867332	5.523216
## 86355	11.957779	11.284523	12.983761	15.177984	11.277095	9.640743	13.643159
## 864018	5.795512	7.351684	12.663041	4.657647	6.106321	14.503757	5.634040
## 864033	6.124173	8.168785	13.369104	6.947540	7.287276	13.534651	6.017365
## 86408	4.946386	7.178348	12.087307	6.451492	6.160526	11.008708	4.536232
## 86409	8.563961	9.007371	10.491135	10.259078	8.244880	9.083341	8.616380
## 864292	4.942586	7.191627	12.162127	7.249550	7.118066	11.992645	6.192493
## 864496	5.635968	6.927964	12.188166	7.398083	7.143202	14.816739	7.620380
## 864685	5.214438	7.256706	12.914545	4.135623	5.646453	13.833552	4.993749
## 864726	8.623894	10.549924	14.379657	9.634671	9.427125	13.753854	7.461458
## 864729	3.093934	3.153508	9.580968	7.009655	3.600103	11.699969	6.857152
## 864877	3.910587	4.042547	7.809853	8.236295	4.764556	10.687098	7.809681
## 865128	8.772182	8.979961	15.318746	6.354995	6.732780	12.451877	5.643138
## 865137	6.721188	7.942877	13.829822	5.839661	6.350427	15.352049	6.608043
## 86517	4.866793	6.809582	12.575853	5.639889	4.116269	10.122715	5.088299
## 865423	14.312460	14.769626	16.543516	17.636392	14.658855	11.219278	15.355791
## 865432	5.577146	6.795684	13.375523	5.411770	5.175585	13.084506	5.506719
## 865468	7.466211	9.020226	13.869562	4.556540	6.267152	13.721108	4.869349
## 86561	7.255778	9.018359	15.011024	3.464218	6.607316	14.838406	5.386074
## 866083	5.639073	6.348381	12.408276	3.110073	4.837386	13.658375	5.122616
## 866203	7.364709	8.873983	14.552781	4.559071	5.085709	11.123321	4.242367
## 866458	4.303673	5.951494	12.194842	6.646166	4.793667	10.658550	4.605544
## 866674	6.120936	6.097872	11.458937	6.393295	4.640644	10.629710	6.055446
## 866714	5.336233	6.624158	12.832528	5.717973	5.378657	13.578112	5.805374
## 8670	4.424404	5.660704	12.333759	4.459296	3.791194	12.310230	4.556583
## 86730502	4.557007	5.507000	12.222517	3.784355	3.502596	11.786155	4.387097
## 867387	6.063044	7.536826	14.054098	4.064735	4.815810	13.094924	4.228786
## 867739	5.869156	7.261586	13.084215	3.597000	4.143540	11.983948	4.682023
## 868202	5.867069	7.504453	13.214655	3.077846	5.795707	13.738174	4.474671

##	868223	7.040548	9.427107	14.669885	5.301073	7.479798	13.384616	6.001371
##	868682	6.817060	8.176489	14.472025	4.642763	6.503560	14.615632	5.307565
##	868826	7.502877	8.567133	13.926354	9.328802	7.326526	9.153929	6.730771
##	868871	6.137696	8.186505	14.135880	6.937015	7.003932	13.457426	5.645177
##	868999	8.268940	9.667093	15.620663	6.868498	8.426236	16.264652	7.675067
##	869104	4.499800	6.694508	12.755252	3.879888	3.672910	11.028152	3.970915
##	869218	5.499042	7.479564	13.326905	4.906829	6.322774	13.271876	5.534916
##	869224	5.835179	6.840118	13.175203	4.159085	4.886379	13.756920	4.864549
##	869254	8.233315	9.986733	15.494950	5.071116	7.664441	15.178698	5.881657
##	869476	5.106820	7.103851	12.017415	7.883093	6.668981	12.308547	7.064815
##	869691	7.547520	5.826902	10.971817	10.364642	7.548713	11.272880	8.814032
##	86973701	6.111973	7.807445	12.193139	5.529543	5.288262	9.705196	4.461410
##	86973702	5.294550	6.596232	12.881740	4.539467	4.328706	12.848755	4.325054
##	869931	7.926383	9.452284	15.124869	3.597075	6.662659	14.711220	5.319767
##	871001501	5.889700	7.213492	14.345904	5.840899	6.633387	12.925816	4.979612
##	871001502	6.652520	7.445026	8.455565	10.231083	8.603959	12.761813	9.677014
##	8710441	18.634477	18.874299	17.715169	21.806422	19.624456	15.454767	19.576283
##	87106	7.194028	8.735690	15.151645	5.955393	7.306841	15.131558	5.831564
##	8711002	5.311535	6.236070	12.502828	5.122235	4.637359	13.185347	4.651729
##	8711003	5.907695	7.269990	13.452550	3.933977	5.607276	13.773620	4.722864
##	8711202	4.920679	6.623923	11.950723	6.801714	4.578287	9.223763	5.187406
##	8711216	7.751479	9.442658	15.105902	3.630371	6.227438	12.273446	4.309505
##	871122	7.237601	8.899030	14.851027	4.917496	6.875275	15.247339	6.059735
##	871149	8.425858	10.153761	15.795845	5.312325	7.826413	15.911229	6.637583
##	8711561	4.645813	6.356417	12.480057	5.677767	5.580666	11.443899	4.389826
##	8711803	8.366902	10.055058	15.470299	7.646395	6.704883	10.551860	5.458699
##	871201	6.892438	6.960570	11.961613	7.887657	5.075181	10.755988	7.784548
##	8712064	4.823162	7.199998	12.175677	5.038347	5.919172	12.651585	4.900682
##	8712289	8.381392	9.230386	13.764131	7.037135	5.725290	11.154316	7.233232
##	8712291	8.079082	9.518866	15.619313	3.058744	6.861802	14.651469	4.824854
##	87127	8.126971	9.855054	15.471076	6.817557	8.195412	16.392268	7.524777
##	8712729	5.701117	7.509914	13.544996	3.655834	4.049791	10.924665	3.059790
##	8712766	6.335709	8.039856	12.001545	7.038906	5.628736	9.707425	6.974191
##	8712853	6.451597	8.238891	14.692309	3.478524	5.856603	13.774051	4.554538
##	87139402	6.383607	7.885391	14.561408	5.729412	6.412675	14.368211	5.321764
##	87163	5.814072	7.540139	13.636001	2.462759	4.904898	13.284086	4.110536
##	87164	4.628882	4.784324	10.799497	7.541361	4.497408	11.867222	7.122245
##	871641	7.619636	9.842432	15.133520	7.332836	8.440077	14.085390	6.159374
##	871642	8.537047	10.171979	16.223686	6.467532	8.589068	15.171324	6.614505
##	872113	8.366874	10.010937	15.661924	7.013139	8.834373	16.143737	7.485592
##	872608	8.851007	10.204098	11.364471	11.500106	9.936468	10.396746	9.746225
##		84667401	84799002	848406	84862001	849014	8510426	8510653
##	842517							
##	84300903							
##	84348301							
##	84358402							
##	843786							
##	844359							
##	84458202							
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##	84501001							
##	845636							
##	84610002							
##	846226							

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## 846381
## 84667401
## 84799002 3.493097
## 848406 8.512477 7.143747
## 84862001 5.006063 3.921838 5.705192
## 849014 9.962276 8.583423 5.591139 6.494381
## 8510426 8.973083 8.228175 3.540792 6.836243 7.798419
## 8510653 8.257808 7.521939 4.405425 6.602593 8.896644 3.104515
## 8510824 10.148142 9.937088 5.991568 8.888351 10.702629 3.619957 4.006750
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## 851509 10.720347 9.022920 5.695746 7.092379 2.523701 8.087897 8.815702
## 852552 7.956537 6.216396 5.306953 3.710746 3.771102 7.274503 7.685222
## 852631 8.107431 7.720061 9.498989 5.653712 8.706906 9.630439 9.854677
## 852763 3.900162 2.992190 6.494000 3.615675 8.166561 7.307686 6.699627
## 852781 9.256732 8.420102 4.752006 6.444575 4.461639 5.969040 7.462869
## 852973 5.173249 3.248166 5.282551 3.115802 6.073158 6.976135 6.739835
## 853201 8.408242 7.743365 3.716776 5.681371 5.240100 3.984925 4.778832
## 853401 7.029213 5.525719 6.401659 3.969457 4.749874 8.122144 8.388882
## 853612 4.381314 3.425632 7.313471 4.467190 9.537657 7.631229 6.712942
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## 854002 6.431091 4.891251 6.098620 4.409519 5.026466 7.838103 7.709154
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## 854253 7.199362 5.420710 4.582446 4.727604 6.009172 5.516756 6.004085
## 854268 5.685072 4.404755 3.566892 4.490443 6.845274 4.313321 4.346297
## 854941 11.651779 10.989774 5.589713 10.102181 9.971666 5.199906 5.618077
## 855133 12.859193 11.779481 6.734717 10.471819 8.789736 7.663386 8.472841
## 855138 5.890658 5.427160 3.857514 4.834207 7.234955 4.299284 4.355690
## 855167 9.851602 8.476932 3.481900 8.030578 8.063855 3.973717 3.967250
## 855563 6.790204 5.906615 4.701914 5.335081 8.852429 5.183923 4.967682
## 855625 9.246869 9.032300 11.676407 9.217994 9.972129 12.502544 12.848520
## 856106 5.913738 4.646714 3.547679 3.781976 7.201919 4.140963 3.400896
## 85638502 7.232937 5.842804 3.347025 5.597103 7.607397 4.253127 3.623802
## 857010 6.703438 6.043910 6.270658 4.195508 5.056537 6.915087 7.582074
## 85713702 10.562946 9.929317 6.269802 9.583761 11.359723 4.463159 4.367140
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## 857156 9.210453 7.990405 2.950843 7.407414 7.742999 3.614351 4.003312
## 857343 11.002706 9.991966 4.647305 9.307202 9.402733 4.359243 4.641144
## 857373 10.443838 9.803481 4.306249 8.941153 8.873846 3.984698 4.180117
## 857374 10.396473 9.456697 4.748175 8.749064 9.560795 3.142354 3.509497
## 857392 8.296331 7.252773 5.074655 5.082313 5.602765 5.997395 6.138143
## 857438 9.044306 7.675035 1.826941 6.699617 6.333913 3.768643 4.332009
## 85759902 10.188741 9.091911 4.794876 8.359759 9.519181 3.121710 3.824742
## 857637 8.538102 7.125943 4.922894 4.604227 2.793343 6.619401 7.440278
## 857793 5.273274 4.001083 4.072700 3.310205 6.818098 5.213758 4.559625
## 857810 11.645412 10.522846 5.277544 9.727934 9.609001 4.419778 4.893440
## 858477 10.353164 9.991846 6.815242 9.219720 11.626362 4.746884 4.685869
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## 858981 9.604811 8.997516 6.673674 8.624457 11.173199 5.781659 5.770059
## 858986 4.073297 4.743732 7.207704 4.474598 7.759244 7.900922 7.941020
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## 85922302 5.592123 4.231201 3.940539 3.565575 7.078476 5.118609 5.199047
## 859283 6.108862 4.759487 3.576186 3.400787 6.615376 4.818906 4.678243
## 859464 8.959402 8.315538 5.401601 7.998537 10.438230 5.069538 4.963736

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## 859465	10.661197	9.862680	4.581498	9.077771	9.368650	3.383285	4.606607
## 859471	10.939899	12.038828	14.578612	13.059750	15.842848	13.946336	14.164806
## 859487	10.730323	9.933006	4.464414	8.806853	9.127551	2.707796	3.849302
## 859575	10.354553	9.055603	4.408576	7.026871	3.042460	6.311769	7.257261
## 859711	10.678429	12.088851	12.327202	11.958144	14.891318	11.172772	10.995564
## 859717	4.602849	3.790230	6.957087	4.096308	6.470671	8.517951	8.227617
## 859983	7.287567	6.921608	3.582192	5.691770	7.514305	3.308405	2.719827
## 8610175	9.543151	8.735334	3.690356	7.949422	8.650187	2.752392	2.775119
## 8610404	9.442936	8.320335	3.469473	6.396598	4.912131	4.076902	6.082188
## 8610629	9.689111	9.365239	6.900963	7.730171	10.069251	4.608102	5.087029
## 8610637	7.066717	7.016921	7.959500	5.164983	6.819344	8.286625	8.630281
## 8610862	11.994979	11.972655	15.344816	11.471020	13.863993	15.678888	15.816836
## 8610908	8.827482	7.963235	3.246887	7.158146	8.312583	2.542967	2.276478
## 861103	8.443636	7.585235	4.637420	6.945272	9.364382	4.789082	4.573279
## 8611161	4.974803	5.024212	4.922856	4.366725	8.167540	4.294256	3.962623
## 8611555	10.433508	10.296653	11.303531	8.538300	7.249616	12.996532	13.431882
## 8611792	8.135027	8.237573	7.907123	6.832574	7.784839	9.305337	9.513686
## 8612080	8.890417	7.804391	4.055265	7.238329	9.009648	2.624721	2.470921
## 8612399	8.444045	6.894863	4.168462	4.716209	4.409737	5.472645	6.307509
## 86135501	8.340167	7.330969	4.041486	6.469186	7.142139	4.212514	5.458172
## 86135502	7.970084	6.125444	4.648221	5.150946	4.356197	6.379810	6.795958
## 861597	7.471037	6.597873	3.483918	6.290447	8.207679	3.607332	3.734932
## 861598	7.132668	6.755744	4.782848	5.379193	7.434474	3.701468	3.882579
## 861648	9.566809	8.369450	3.328387	7.644000	7.690261	3.991295	4.007734
## 861799	8.390606	7.662390	3.554746	6.441784	6.684387	3.304517	4.790347
## 861853	11.437275	10.709025	4.507668	9.519678	8.348109	4.363258	5.325326
## 862009	9.520263	8.532731	2.966048	7.473659	7.926329	2.648086	3.204852
## 862028	6.108743	5.788140	4.252057	4.055534	5.636996	4.601675	5.572169
## 86208	8.466893	6.888498	5.487090	5.616002	4.370521	7.036492	7.592525
## 86211	9.879117	9.264412	4.747634	8.199099	9.399970	3.599559	3.577430
## 862261	10.560435	10.157651	6.101403	9.521668	10.888386	5.814938	5.772673
## 862485	9.387487	8.935200	4.670597	7.903256	9.411539	2.811109	2.775633
## 862548	6.656728	6.002156	3.020899	5.031889	6.881016	3.867445	4.325982
## 862717	8.737316	7.342579	2.176082	6.612156	6.605061	4.296201	4.718693
## 862722	10.732566	10.365880	7.955172	9.790121	12.835126	6.449473	5.541644
## 862965	10.703962	9.504624	4.313076	9.032276	9.319545	4.499002	4.706192
## 862980	8.095919	7.523704	4.577158	7.111266	9.479716	3.378820	3.617813
## 862989	9.480992	8.623626	5.458875	8.156790	10.148954	4.017902	3.666370
## 863030	4.641145	5.418971	7.367094	4.354503	9.264375	7.428903	7.003283
## 863031	7.260210	6.691392	3.844381	5.881297	8.486132	3.687302	3.943745
## 863270	9.893424	8.899084	4.068281	8.403906	9.135789	3.794153	3.306669
## 86355	11.194795	11.096824	13.742213	9.924523	10.469717	14.720701	15.050189
## 864018	8.684222	7.780737	3.965555	7.347113	8.911865	3.957361	4.269124
## 864033	9.353161	9.190278	6.114946	8.405771	10.458712	4.708075	5.207616
## 86408	7.679797	7.892402	5.474485	6.990782	8.874795	4.898158	5.689237
## 86409	7.196292	8.767067	9.786619	8.890952	10.831706	9.798442	9.662165
## 864292	8.002394	8.186891	6.454797	7.584525	10.510666	5.471894	5.152302
## 864496	8.292998	8.236747	6.168376	7.699151	10.825572	4.819454	4.222334
## 864685	8.600778	7.755048	3.654832	7.178664	8.565016	3.343297	3.352273
## 864726	10.562767	11.338824	8.913732	10.681223	12.058425	7.393358	8.203973
## 864729	5.183765	4.383599	5.037112	2.113200	6.794451	5.461871	5.491912
## 864877	4.014242	3.466154	6.574784	2.470879	7.008812	7.601277	7.572073
## 865128	11.265928	9.496774	6.541198	8.680567	8.178754	6.708715	7.429377
## 865137	9.590393	9.104330	5.045555	8.165959	9.663994	2.929150	3.075717

## 86517	8.235909	7.227629	4.146976	4.667548	4.186420	5.271808	6.337211
## 865423	14.737833	14.847659	16.348998	13.377287	13.760268	16.798541	17.599065
## 865432	8.714637	8.280493	4.225343	6.608711	8.044349	2.497231	2.554442
## 865468	9.557917	9.314996	4.852739	8.783991	8.738388	4.306332	4.834184
## 86561	10.600597	9.631385	4.115024	8.696246	8.761448	3.642801	3.525421
## 866083	8.256451	6.493413	2.747075	6.273945	7.290908	4.466244	4.216550
## 866203	10.209251	8.864455	4.601392	7.455803	4.821099	5.672247	6.678671
## 866458	7.240979	7.394790	5.218081	5.536813	7.614977	4.039522	4.751387
## 866674	7.302050	5.781285	5.664141	4.613347	4.896658	7.199188	7.331544
## 866714	8.463700	7.938119	4.934326	7.080121	9.445580	2.919333	2.346865
## 8670	7.711985	6.461549	2.579401	4.528384	5.301507	3.454145	4.263596
## 86730502	7.706661	5.945278	2.891444	4.733607	5.784770	4.247907	4.260567
## 867387	9.292560	8.565281	3.346925	6.927463	6.979756	2.127627	3.329197
## 867739	8.859914	7.198931	2.746261	5.456622	3.643255	5.158166	5.935224
## 868202	9.038931	7.857763	2.936352	7.335098	8.166726	3.721518	4.179535
## 868223	10.565111	10.124697	4.828088	8.999921	9.188542	5.028643	5.613837
## 868682	9.994857	9.280446	4.368805	8.465063	9.374381	2.799691	2.897557
## 868826	10.090044	9.513045	7.862167	7.798603	8.214661	7.801713	9.034322
## 868871	9.592703	9.639610	5.746078	8.277286	9.686639	3.608387	4.664728
## 868999	11.543358	10.813633	6.927845	10.146149	11.731199	4.860789	4.252749
## 869104	8.267351	7.157741	2.676432	5.218159	5.220559	3.812557	4.531803
## 869218	9.077785	8.488522	4.305449	7.612552	9.362219	3.838309	3.520634
## 869224	8.725324	7.828790	3.753840	7.031719	8.480417	2.431126	2.210842
## 869254	11.268807	10.700547	5.465520	9.992762	10.175167	4.342541	4.738986
## 869476	7.862450	8.173649	7.078746	7.366525	10.589922	5.571352	4.959285
## 869691	7.761176	7.302030	9.343532	7.583601	11.663494	8.604360	8.272255
## 86973701	7.979447	7.862645	5.657342	7.456480	8.492005	5.653891	5.786090
## 86973702	8.110231	7.662530	3.232536	6.285496	7.101817	2.013119	3.033286
## 869931	10.743712	9.897664	4.568143	9.193002	8.796288	4.277937	4.226539
## 871001501	9.880967	8.443905	5.256512	7.581356	9.230652	4.059266	4.188451
## 871001502	6.397294	7.193686	9.504259	8.462493	12.864055	9.055371	8.462114
## 8710441	17.268676	18.755742	20.915675	19.184459	21.533175	20.449861	20.731370
## 87106	10.748978	10.057309	5.444717	9.004102	10.176755	2.844150	3.620776
## 8711002	8.140306	7.304991	4.122910	6.461309	8.364369	2.344676	3.164569
## 8711003	9.072941	8.039468	3.897726	7.519097	8.913697	2.806523	2.561969
## 8711202	7.494155	6.982596	5.397510	4.895873	5.091590	6.188310	6.971574
## 8711216	10.749217	9.596650	4.540195	8.674224	7.265390	5.352378	5.896874
## 871122	10.499987	9.884263	4.775183	8.880486	9.613500	3.088970	3.306754
## 871149	11.641591	10.942146	5.716718	10.101036	10.459498	4.369828	4.696980
## 8711561	8.171199	7.362097	4.746811	6.607300	8.797202	4.056170	4.388091
## 8711803	11.094727	10.522012	6.867761	8.376225	5.729323	6.946537	8.693337
## 871201	8.220034	7.047116	6.559361	4.756384	3.918907	8.027045	8.444632
## 8712064	7.975884	7.625641	4.393811	7.008574	8.793687	4.375881	4.627613
## 8712289	10.009610	8.686403	6.778443	6.994587	3.459283	8.500787	9.250892
## 8712291	11.178010	10.036085	4.280275	9.217637	8.567565	4.252751	4.584840
## 87127	11.257051	11.028855	6.324285	9.846785	10.788599	4.312670	4.553028
## 8712729	8.976279	7.868379	3.057276	6.269384	5.146829	4.010746	5.247843
## 8712766	8.311353	7.540224	5.984682	5.740652	4.213047	8.133801	8.616822
## 8712853	10.058566	9.100515	3.414453	7.807927	7.818304	2.855609	3.308842
## 87139402	9.958974	9.334896	4.797559	8.013018	9.207794	1.687105	3.072154
## 87163	9.314531	7.971540	1.530763	6.823316	6.547183	3.153620	4.161971
## 87164	6.376349	6.331141	5.668670	4.115785	7.175163	5.320399	5.264507
## 871641	10.935131	10.921299	6.843780	9.858813	10.988252	5.018893	6.033457
## 871642	12.084744	11.178412	6.710441	10.441913	11.257547	5.241400	5.376849

## 872113	11.634608	11.070356	7.111675	10.465478	11.993120	5.260853	4.934786
## 872608	8.813334	10.242222	10.861362	10.531141	13.239747	10.332064	10.460317
##	8510824	8511133	851509	852552	852631	852763	852781
## 842517							
## 84300903							
## 84348301							
## 84358402							
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## 849014							
## 8510426							
## 8510653							
## 8510824							
## 8511133	9.571591						
## 851509	11.002659	10.046697					
## 852552	9.896130	7.373897	4.509991				
## 852631	11.382111	5.526041	9.488737	6.597027			
## 852763	9.267384	5.342864	8.546178	6.037557	7.347898		
## 852781	8.197649	8.238753	5.346882	5.577945	8.181933	8.252687	
## 852973	9.380681	6.069970	6.644218	4.114556	7.573147	3.246735	6.643093
## 853201	6.471258	6.937013	5.739588	5.358100	7.838091	6.911088	3.860625
## 853401	10.657255	6.627468	5.458764	3.550063	5.921356	5.856852	5.126201
## 853612	8.724816	5.380632	10.122540	6.813962	7.413421	3.821392	8.920174
## 85382601	9.099096	5.949747	6.245513	3.815066	6.079076	5.212212	5.134179
## 854002	10.484256	6.954243	5.396653	4.110296	7.831925	4.902752	6.383459
## 854039	8.417730	5.290743	7.203850	5.018088	7.433465	2.798381	7.138279
## 854253	8.433084	5.674585	6.434285	4.789525	7.921247	4.955102	5.947257
## 854268	6.547147	6.094762	7.282458	5.666271	8.443578	4.171809	5.775133
## 854941	5.117433	11.249765	9.730873	10.333607	12.986568	10.356611	7.495875
## 855133	8.069403	12.406947	8.892851	9.679874	12.065134	11.633139	6.267622
## 855138	6.238773	6.986239	7.816695	6.150316	9.112637	4.430526	6.693387
## 855167	5.691997	9.604884	7.610363	7.996060	11.406571	7.707933	7.037365
## 855563	6.000761	8.397511	9.211250	7.043364	9.759383	5.905129	7.555393
## 855625	14.500695	7.389515	10.981260	9.429294	8.125213	9.594283	9.484909
## 856106	6.074597	6.165534	7.430084	5.268564	7.955795	3.900643	6.445927
## 85638502	6.323645	7.850758	7.607556	6.394904	9.948985	4.905106	7.345157
## 857010	9.709288	4.796540	6.454382	4.103417	6.201812	5.518701	5.681931
## 85713702	2.945804	10.272195	11.382904	10.498841	12.562958	9.495938	9.055986
## 85715	6.889019	5.763219	8.560836	5.766532	7.692864	3.300365	7.402220
## 857155	3.566022	8.811868	8.834596	7.836734	10.758555	7.556574	7.170748
## 857156	5.358640	9.046098	7.472615	7.650950	10.767375	7.282229	6.178807
## 857343	4.412806	10.718766	9.233771	9.400685	12.389042	9.595389	7.225298
## 857373	4.687465	10.417629	8.654537	9.099990	12.287336	8.905955	7.304250

## 857374	3.357580	9.758435	9.389284	9.167926	11.585491	8.803144	7.590460
## 857392	8.160425	6.819613	5.825070	4.877868	6.510324	6.986980	4.170211
## 857438	6.132297	9.215875	6.082889	6.392001	10.568086	6.962170	5.768266
## 85759902	3.575923	9.072624	9.494098	8.835684	11.012139	8.641204	7.268518
## 857637	9.514406	7.105153	3.549390	2.344136	6.776548	6.573175	4.250211
## 857793	7.156614	5.730238	7.064378	5.003952	7.222765	3.239409	6.151845
## 857810	4.713123	10.955170	9.205322	9.650200	12.303424	10.088268	7.350049
## 858477	3.021687	10.198473	11.900063	10.336559	12.315587	9.503814	9.671264
## 858970	5.319759	8.988031	11.834803	10.256607	10.169580	9.596109	9.297894
## 858981	4.721636	9.866506	11.463898	9.855795	11.608922	9.288448	8.419382
## 858986	9.285903	5.818298	8.981796	6.293828	6.862820	5.371290	6.547762
## 859196	5.349554	8.652479	12.031302	10.908441	10.823337	9.549817	8.607662
## 85922302	6.883319	6.907120	7.616829	5.063120	8.162263	4.298751	6.247567
## 859283	6.871223	6.717062	6.852855	4.901483	7.836028	4.498772	5.667463
## 859464	4.210308	9.936875	10.517818	9.279156	11.569610	8.290317	7.946569
## 859465	3.638626	10.343830	9.441348	9.332155	12.239477	9.343127	7.152595
## 859471	14.166053	10.699633	17.141330	14.793326	13.618616	12.825032	14.060504
## 859487	3.280546	10.039815	9.131806	9.023122	11.831741	9.307055	7.045120
## 859575	9.006988	9.171373	3.173301	5.003031	9.138718	8.368986	3.981283
## 859711	9.870034	11.640673	15.512689	13.756651	12.493739	12.497090	12.025460
## 859717	10.658290	6.673502	7.113109	4.920785	7.437333	4.422708	7.014496
## 859983	4.881325	7.629952	7.761986	6.614077	9.415056	5.876946	6.502835
## 8610175	3.653257	9.281432	8.543586	8.332941	11.141070	7.945790	6.902962
## 8610404	6.670931	8.182849	5.674616	5.423997	8.572457	7.836103	2.993016
## 8610629	4.679562	8.213589	10.347157	8.808648	8.993479	8.962588	7.578414
## 8610637	10.300818	4.972995	7.955866	5.464928	4.351843	6.680696	6.396136
## 8610862	17.338561	9.593188	14.795605	12.449807	9.441854	12.617567	13.234519
## 8610908	3.750601	8.727021	8.238023	7.731525	10.596885	7.327679	6.496798
## 861103	4.650414	9.408101	9.392965	8.144509	10.622582	7.673294	6.933287
## 8611161	5.817679	5.056238	8.793083	6.530538	7.897556	4.116030	6.774694
## 8611555	15.442226	10.558668	8.112887	7.864594	8.781955	10.304738	8.766597
## 8611792	10.714467	8.933740	8.291150	7.608576	8.414704	8.547920	5.991312
## 8612080	3.790431	8.305454	8.898863	7.987365	10.336794	7.192340	7.176659
## 8612399	8.224056	6.665908	4.554042	3.786034	6.564140	6.390487	3.670734
## 86135501	6.105889	7.481289	7.444269	6.903058	8.890636	7.116505	4.212508
## 86135502	9.396044	6.918257	4.378323	4.250746	7.927641	5.612069	5.357303
## 861597	4.668665	7.891346	8.262045	7.374670	9.649875	6.181746	6.027692
## 861598	5.474357	5.344137	7.990866	6.365000	7.092576	6.071945	5.547027
## 861648	5.400271	9.465583	7.294172	7.701783	10.886948	7.970725	5.895378
## 861799	5.511555	7.585222	7.113941	6.867123	9.386319	7.110714	4.491742
## 861853	5.390980	10.844563	8.229019	9.094116	12.316816	9.740231	6.757443
## 862009	4.162377	9.173055	7.839875	7.666800	10.852060	7.939626	6.023260
## 862028	6.976914	5.684855	6.783374	4.909245	7.109664	5.111839	4.455507
## 86208	9.798575	6.980593	4.340929	4.616934	7.210614	6.759053	4.021106
## 86211	2.964908	9.380230	9.374467	8.906368	10.709809	8.692410	6.841611
## 862261	4.281964	11.617828	10.916262	10.338375	12.895146	10.084477	8.224061
## 862485	2.892198	9.071779	9.582956	8.652939	11.138435	8.069927	7.766277
## 862548	5.637197	7.326745	7.111794	6.148200	8.706625	5.449771	4.851423
## 862717	6.096612	9.121106	6.549646	6.531145	10.354609	7.080726	5.227419
## 862722	4.098054	11.055334	12.898603	11.218645	12.674141	10.215108	10.490132
## 862965	5.183788	10.759374	8.846945	9.240706	12.409152	8.900405	7.546115
## 862980	3.409099	8.666870	9.726474	8.382973	10.555514	7.180410	7.332641
## 862989	3.389208	8.938159	10.089060	9.130596	10.615163	8.416897	7.489781
## 863030	8.342660	6.529640	10.203732	6.983568	7.632781	5.360014	8.491384

## 863031	4.350124	8.096697	8.867435	7.216995	9.669467	6.403529	6.440567
## 863270	4.671369	9.921030	8.842706	8.814220	12.027684	8.073601	7.833569
## 86355	16.926556	9.551220	11.750965	9.723232	7.767107	11.500778	11.235656
## 864018	4.525069	9.588599	9.116342	8.089509	11.510374	7.601244	7.290876
## 864033	3.277879	9.368881	10.927515	9.540284	11.227369	9.139187	7.511842
## 86408	4.941622	8.042244	9.481487	8.397132	9.517525	7.714730	5.625382
## 86409	10.418083	7.971366	11.713690	10.519724	9.978298	8.917903	8.746623
## 864292	4.193003	8.660589	10.873057	9.355155	10.117268	8.229069	7.449192
## 864496	3.532550	9.064874	11.308660	9.300852	11.181628	7.872455	9.073781
## 864685	3.930872	9.306881	8.612682	7.824972	10.841374	7.508534	6.722507
## 864726	5.991353	10.626618	12.918184	11.843051	12.647030	11.296665	8.837280
## 864729	7.634795	5.290362	7.464971	4.314262	6.375783	3.621986	6.459894
## 864877	9.442384	5.890180	7.988694	4.779726	6.386881	4.210155	6.755154
## 865128	9.071075	8.421526	7.819642	8.074958	10.125529	9.038653	7.151046
## 865137	3.421068	9.177065	9.842150	8.836780	11.400640	8.151523	8.283489
## 86517	7.785184	6.959639	4.843693	3.941854	6.623691	6.795522	2.635349
## 865423	18.406047	13.255131	14.830866	13.403787	11.008032	15.581708	12.674255
## 865432	4.184333	7.422773	8.278419	7.325742	9.251990	7.170923	6.508957
## 865468	5.145332	9.675462	8.868733	9.168998	11.898490	8.609610	6.753949
## 86561	4.516115	10.389848	8.360213	8.739812	12.001953	8.903376	7.272378
## 866083	6.493599	8.769855	7.049753	6.513825	10.528119	6.068091	6.792932
## 866203	8.325861	8.494007	4.666114	6.131901	9.042281	8.333864	3.732903
## 866458	5.514236	5.965905	8.270610	6.822911	7.325616	6.656188	5.184378
## 866674	9.945439	6.812367	4.928921	4.543535	7.232949	5.631366	5.288964
## 866714	3.382272	7.706171	9.579684	8.178497	9.947331	7.226880	7.572590
## 8670	6.325438	7.133363	5.668207	4.466493	7.989459	5.827810	4.638406
## 86730502	6.959351	7.092653	5.465397	4.773272	8.092700	5.376772	5.073261
## 867387	4.852612	7.992259	6.973771	6.989675	9.565435	7.389621	5.549518
## 867739	8.035739	8.328310	3.533042	4.102810	8.842324	6.849188	3.758554
## 868202	4.882762	9.589074	8.042873	7.765772	11.266195	7.546096	6.407805
## 868223	4.736521	10.954684	9.337933	9.261787	12.062053	9.693193	6.550348
## 868682	3.207878	9.542858	9.307231	8.985445	11.568224	8.405043	7.564941
## 868826	9.096764	7.150563	9.487228	7.692127	7.425045	9.521382	5.778245
## 868871	3.000800	9.013283	10.160168	9.185242	10.531840	8.956061	6.963466
## 868999	3.564425	10.818034	11.562965	10.809563	12.754777	10.200581	9.821900
## 869104	6.092514	7.348355	5.499950	4.861636	7.862290	6.663538	3.284963
## 869218	3.488304	9.389509	9.366742	8.520107	11.030203	8.087177	6.983364
## 869224	4.106399	7.940018	8.471153	7.682962	10.299725	6.878237	7.016779
## 869254	3.916706	11.020721	10.121950	10.231830	13.025706	10.044134	7.995204
## 869476	4.744126	7.778044	10.997101	9.071942	9.303001	8.151756	8.096285
## 869691	9.577870	4.927701	12.110002	9.567065	8.252714	7.024047	10.162581
## 86973701	6.519454	7.639077	8.701214	8.287898	9.491272	7.748710	5.566250
## 86973702	4.481486	7.342967	7.498519	6.829331	9.345377	6.535894	5.681967
## 869931	5.252787	10.448318	8.485774	9.126019	12.341892	9.119994	7.391724
## 871001501	4.915533	8.414308	9.049041	8.144309	9.558401	8.174872	7.034031
## 871001502	8.436188	9.118927	13.357579	10.968462	10.999861	8.071465	10.548731
## 8710441	20.212156	17.461805	22.626181	20.732556	17.956158	19.570916	19.248357
## 87106	2.216999	9.705162	10.243039	9.555232	11.676267	9.345036	8.017006
## 8711002	4.214189	7.011296	8.677686	7.303841	9.521964	6.724631	6.538185
## 8711003	3.756882	8.673074	8.742230	8.200007	10.655757	7.350805	7.112528
## 8711202	8.310862	6.636631	6.108598	4.866585	6.330174	6.911044	3.072026
## 8711216	7.136207	9.871457	6.746452	8.152313	11.015783	8.955406	5.378234
## 871122	3.190568	10.123543	9.532764	9.267444	12.000115	9.008382	7.915705
## 871149	3.997914	11.185776	10.316662	10.275142	13.060222	10.144385	8.633610

## 8711561	4.526631	7.544810	9.128707	7.649443	9.117719	7.402288	5.915281
## 8711803	9.151603	8.422004	6.773546	7.198184	8.391504	9.869308	4.013995
## 871201	10.852288	6.716047	4.802961	3.322393	6.285054	6.506940	5.745345
## 8712064	4.435397	9.120299	9.044061	8.125478	10.646227	7.622126	6.172702
## 8712289	11.479339	8.589424	3.330106	5.159630	8.419556	8.058188	5.539076
## 8712291	5.658089	10.638674	8.033085	8.991231	12.416065	9.331742	7.111728
## 87127	3.174001	11.009151	10.980468	10.371985	12.914214	10.218432	9.031690
## 8712729	6.617901	7.642624	5.237117	5.646769	8.406368	7.165680	3.175398
## 8712766	10.124386	8.696095	5.431936	4.648672	7.801380	7.702799	4.119225
## 8712853	4.564934	9.468650	7.483180	7.831238	10.823336	8.250375	6.150679
## 87139402	2.587570	8.681796	9.369865	8.568630	10.487374	8.427493	7.245360
## 87163	5.311411	9.043272	6.548831	6.407901	10.343046	7.424810	5.270566
## 87164	7.185432	5.259284	8.062233	5.575078	6.736642	5.405380	6.603054
## 871641	3.323743	10.540787	11.301549	10.737474	12.246268	10.529174	7.761335
## 871642	4.438881	11.134643	11.017180	10.820188	12.903539	10.738153	8.678117
## 872113	3.227698	11.290025	11.928376	11.234991	13.226299	10.633364	9.682713
## 872608	9.662908	9.959106	14.061151	12.336412	11.606165	10.891321	10.163452
##	852973	853201	853401	853612	85382601	854002	854039
## 842517							
## 84300903							
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## 852763							
## 852781							
## 852973							
## 853201	5.992044						
## 853401	3.995064	5.784453					
## 853612	4.895685	7.555378	6.918368				
## 85382601	3.475307	5.374121	2.705661	6.144110			
## 854002	3.254968	5.734444	3.766701	6.423436	4.670982		
## 854039	3.257757	5.170237	5.314927	4.017500	4.841862	3.751074	
## 854253	3.606930	5.001392	5.053808	5.719099	4.319526	4.459913	3.653800
## 854268	3.523557	4.511064	5.580134	4.823610	4.449957	4.885282	3.320584

## 854941	9.796773	6.707483	10.560044	10.681967	9.513960	10.532473	9.343074
## 855133	10.383874	7.105118	9.725187	11.908112	9.564427	10.528464	10.737794
## 855138	4.503349	4.933549	6.812827	5.658163	5.626739	5.644540	3.997335
## 855167	7.121085	5.360888	8.591447	8.552030	7.700854	7.744921	6.642857
## 855563	5.565346	6.803576	7.714353	6.076884	5.834248	7.762186	6.089775
## 855625	8.808908	10.244385	7.462860	9.716054	8.645713	8.573251	9.588003
## 856106	3.758167	4.510581	5.940755	4.335407	4.709204	5.237545	3.017149
## 85638502	4.648323	5.324157	7.261485	5.992805	6.099514	5.930952	4.073374
## 857010	4.305623	4.853012	4.065903	6.435417	3.957976	4.086240	4.319441
## 85713702	9.438630	7.494314	11.106042	8.922766	9.610885	10.649781	8.671493
## 85715	4.063639	5.879703	6.423865	3.661748	4.801552	5.957729	3.335984
## 857155	7.186375	4.929725	8.761804	7.478915	7.382175	8.122934	6.231615
## 857156	6.644356	5.065139	7.971060	8.214298	6.913807	7.615499	6.533790
## 857343	8.827383	6.104213	9.895655	9.674428	8.872218	9.556647	8.490916
## 857373	8.536089	5.376449	9.806785	9.423158	8.970706	8.849572	7.576532
## 857374	8.585193	5.774602	9.842940	8.819866	8.604851	9.262231	7.669131
## 857392	5.783706	3.463357	4.185078	7.415016	4.024321	5.824411	5.655141
## 857438	5.957749	4.431043	7.344107	8.103917	6.470353	6.469147	5.855823
## 85759902	8.228453	5.862203	9.418746	8.359497	7.977220	9.271853	7.571640
## 857637	4.851159	4.188742	3.767848	7.628620	4.080415	4.303886	5.203011
## 857793	3.239208	4.578652	5.021908	4.347724	4.016603	4.737021	2.749592
## 857810	9.444812	6.168528	10.130256	10.111404	9.171188	9.846831	8.790613
## 858477	9.675037	7.769318	11.479233	8.486109	9.810492	10.863665	8.566544
## 858970	9.858037	7.939037	10.521305	8.249514	9.079894	11.064915	8.925597
## 858981	8.819360	8.010116	10.203774	8.356489	8.425458	10.570814	8.926030
## 858986	4.806200	6.538507	5.156073	5.495818	4.942804	5.621821	5.640583
## 859196	9.902554	7.811185	10.518119	8.518933	9.421748	10.999367	9.059269
## 85922302	3.462377	5.588095	5.736226	4.855404	4.202122	5.535860	4.336393
## 859283	3.447847	4.845612	5.150906	5.602346	3.454099	5.330535	4.262513
## 859464	8.086524	7.385675	9.732687	7.809923	8.165763	9.695434	7.995468
## 859465	8.720977	6.059592	9.963282	9.485252	8.686507	9.544169	8.299416
## 859471	13.099869	14.061597	13.632961	11.532446	12.876613	14.183285	13.177862
## 859487	8.713740	5.459450	9.808570	9.450444	8.413116	9.457267	8.021666
## 859575	6.638158	3.606169	5.737265	9.619252	6.188417	5.722505	6.837965
## 859711	12.957321	11.390983	13.299111	11.054487	12.480030	13.478820	12.238619
## 859717	3.531676	6.619455	4.142349	5.516044	4.867738	2.887432	4.070375
## 859983	5.876044	3.805956	7.472910	6.443609	6.472340	6.419610	4.545628
## 8610175	7.642876	4.867858	8.991228	8.269742	7.837399	8.408828	6.774499
## 8610404	6.398153	3.387703	6.138969	8.551730	5.427350	6.583243	6.690055
## 8610629	8.953653	6.064771	9.275350	8.347840	7.535553	9.843784	7.965772
## 8610637	6.279813	5.691210	4.951432	6.825316	5.651546	5.620618	5.785639
## 8610862	12.110435	13.991654	10.669572	12.269094	11.077798	12.520961	12.947252
## 8610908	6.900383	4.583269	8.343315	7.597442	7.103352	7.810135	6.176802
## 861103	7.193929	6.561194	8.526110	7.301577	6.967055	8.735263	7.279696
## 8611161	4.653582	4.877004	6.669696	4.298833	5.217951	6.158633	3.589607
## 8611555	8.986520	9.868037	6.431940	11.880804	8.170512	7.524277	9.997846
## 8611792	7.452220	7.211348	6.062408	9.296732	6.149555	7.763308	8.357752
## 8612080	7.079846	5.364082	8.613193	7.079462	7.140990	8.281758	6.178216
## 8612399	5.138699	3.470134	4.037440	7.055406	3.863368	5.078014	5.002230
## 86135501	6.185843	4.810264	6.420591	7.613870	5.215951	7.292144	6.570245
## 86135502	4.155930	4.584217	4.139719	7.058021	4.448226	3.364527	4.176229
## 861597	6.009672	5.060752	7.450941	6.506287	6.278814	7.214940	5.724801
## 861598	5.940787	3.083048	6.426684	6.138755	5.301132	6.655119	4.909788
## 861648	7.067521	4.674453	7.988765	8.597880	7.171089	7.512786	6.840466

## 861799	6.157634	3.862138	6.862498	8.039113	5.634819	6.792074	6.244192
## 861853	9.066576	5.283640	9.807730	10.392788	9.146996	9.299441	8.403952
## 862009	7.136628	4.583764	8.349112	8.359475	7.066523	8.078281	6.784797
## 862028	4.170417	3.727279	4.904975	6.250583	3.753775	5.075125	4.567148
## 86208	5.152274	4.542168	3.364768	7.779340	4.275909	4.285828	5.487059
## 86211	8.478777	5.380988	9.329579	8.632535	8.055359	9.410259	7.827208
## 862261	9.672080	7.646564	10.834249	9.619480	9.563082	10.697899	9.347355
## 862485	8.069841	5.318582	9.637621	7.879277	8.331384	8.845523	6.784861
## 862548	5.031358	4.269630	6.158413	6.308272	4.971687	6.187518	4.990635
## 862717	5.751736	4.775073	6.859788	7.916653	5.957627	6.690266	6.272838
## 862722	10.445555	8.983439	12.019086	8.848525	10.332365	11.899930	9.591468
## 862965	8.391908	6.533383	9.702104	9.448067	8.613223	9.323331	8.080540
## 862980	7.114813	6.160480	8.852242	7.147956	7.188535	8.640808	6.826605
## 862989	8.270002	6.265508	9.315948	7.886187	7.886454	9.469153	7.719860
## 863030	6.035624	7.220513	7.260780	4.743521	5.994950	7.327208	5.345695
## 863031	6.120967	5.573499	7.819368	6.411495	6.137470	7.817102	6.063710
## 863270	7.736975	5.863182	9.512789	8.595492	8.380464	8.607445	7.020728
## 86355	10.522518	12.009828	8.116815	11.913032	9.345695	10.110250	11.463434
## 864018	6.973067	6.226257	8.943349	7.534960	7.545929	8.155884	6.833082
## 864033	8.786947	6.780017	9.969280	8.231774	8.450698	9.993270	8.391159
## 86408	7.410045	5.671842	8.074491	7.795020	6.784986	8.482082	7.449743
## 86409	8.989010	8.485206	8.778134	8.844166	8.832058	9.135863	8.781422
## 864292	8.277708	6.803998	9.242777	7.514241	7.766458	9.557121	7.975888
## 864496	8.200703	7.191520	10.286909	6.990247	8.581869	9.666040	7.364147
## 864685	6.983204	5.304020	8.542971	7.635694	7.239390	7.901492	6.623973
## 864726	11.015338	8.536938	11.750388	10.709405	10.553862	11.813676	10.736297
## 864729	3.518165	5.126889	5.070026	4.357583	3.610090	5.063059	3.235820
## 864877	3.666732	6.504440	4.333042	4.552933	3.658075	4.596128	4.395080
## 865128	8.044298	6.521461	8.046108	9.296362	7.590288	8.302453	7.647039
## 865137	8.233959	5.741593	9.995008	8.026921	8.594161	9.072149	6.839356
## 86517	5.518847	2.939126	4.240676	7.403223	3.884737	5.403694	5.484673
## 865423	14.500392	14.622787	11.606582	15.480893	12.181151	14.218103	15.384298
## 865432	7.123097	3.637390	8.074500	7.369270	6.774148	7.846901	5.718731
## 865468	8.201992	5.267021	9.259900	9.154718	8.474507	8.493898	7.444317
## 86561	8.368232	5.291883	9.558338	9.318605	8.561585	8.767789	7.520018
## 866083	5.073188	5.562965	7.278735	6.976581	6.169369	6.342117	5.356320
## 866203	6.964691	3.454655	5.969728	9.214689	6.231857	6.287969	6.760954
## 866458	6.445960	3.771835	6.745664	7.168046	5.466823	7.217986	5.941586
## 866674	4.046762	5.204541	2.801857	7.369420	3.052697	3.660935	4.851325
## 866714	7.403887	5.144571	8.976151	6.699243	7.528952	8.409955	5.967214
## 8670	4.637599	3.106427	5.279657	6.808569	3.993061	5.359947	4.578188
## 86730502	4.223048	3.880897	5.093921	6.500613	4.134428	5.052235	4.323700
## 867387	6.978763	2.910988	7.711836	8.222222	6.684466	7.293159	5.886808
## 867739	4.933342	3.535384	4.804178	7.903356	4.561450	4.681091	5.326782
## 868202	6.769719	5.639275	8.350125	7.982718	7.077754	7.880176	6.760034
## 868223	9.003512	6.192586	9.697060	9.817651	8.647306	9.955812	8.846809
## 868682	8.204163	5.524116	9.674403	8.716677	8.312386	9.197242	7.357729
## 868826	8.404326	6.626135	7.328928	8.992374	6.913330	9.117990	8.828024
## 868871	8.810712	5.711312	9.690309	9.007651	8.139780	9.859134	8.201102
## 868999	10.319969	7.524385	11.714431	9.459584	10.349584	11.106049	8.904133
## 869104	5.497013	2.119076	5.294078	7.043506	4.761303	5.691870	5.224185
## 869218	7.714909	5.810681	9.088977	7.912279	7.687081	9.018701	7.305545
## 869224	6.729160	4.634388	8.434698	7.036738	7.225589	7.595030	5.559708
## 869254	9.608457	6.457774	10.793629	10.062118	9.742419	10.255732	8.818033

## 869476	8.433858	6.327126	9.355701	6.841758	8.071424	9.232895	7.313543
## 869691	7.857019	9.125843	9.009509	5.940081	7.868648	9.541429	7.270719
## 86973701	7.353910	4.990992	7.499002	7.559896	7.108387	7.642758	6.747260
## 86973702	6.244701	3.146802	7.494393	7.335355	6.273979	6.926748	5.314588
## 869931	8.557810	5.361883	9.682116	9.662095	8.930449	8.757411	7.684123
## 871001501	7.791568	5.939777	8.495108	8.014980	6.940311	8.979487	7.462580
## 871001502	8.994786	10.090893	10.406312	6.318731	9.293474	10.334706	8.551363
## 8710441	19.948169	19.889049	19.254812	18.352218	19.002914	20.523612	19.976657
## 87106	9.169440	6.129943	10.454267	9.041410	8.907580	10.107178	8.156844
## 8711002	6.454596	4.640750	7.959028	6.328620	6.489600	7.439153	5.340666
## 8711003	7.246977	5.211433	8.733906	7.472278	7.474653	8.184873	6.343596
## 8711202	5.504160	3.743835	3.902874	7.669005	3.711929	5.523442	6.080510
## 8711216	8.009097	4.884009	7.983613	9.818522	7.720652	8.026103	7.754672
## 871122	8.862926	5.645862	10.233577	9.089643	8.979300	9.520299	7.659965
## 871149	9.905851	6.671279	11.192046	10.013910	10.140999	10.437137	8.754501
## 8711561	6.825734	5.362378	7.614708	6.767991	6.177556	8.226477	6.739036
## 8711803	8.671428	4.547879	7.132394	10.550087	7.417328	7.967352	8.527829
## 871201	5.033754	5.363117	3.166069	7.690273	4.081869	4.254984	5.234959
## 8712064	7.071988	5.739002	8.341235	7.608913	7.014882	8.142067	7.051262
## 8712289	6.684204	5.582566	5.155704	9.586156	6.381798	4.693231	6.586531
## 8712291	8.534543	5.561796	9.559943	10.009053	8.677070	8.870108	7.933029
## 87127	10.096146	6.789698	11.506196	9.971322	10.145242	10.742232	8.883651
## 8712729	6.082401	2.473991	5.769082	8.049216	5.390301	6.111096	5.852053
## 8712766	5.780763	5.286402	3.890827	8.543109	5.063025	5.236593	6.913054
## 8712853	7.645899	4.268190	8.535415	8.967506	7.431560	8.168283	6.966474
## 87139402	8.332441	5.072572	9.497569	8.439215	7.934141	9.232042	7.250560
## 87163	6.275934	4.191781	7.388265	7.934288	6.422201	7.048897	6.199684
## 87164	5.399817	4.394098	6.032064	5.590466	4.795906	6.162776	4.165673
## 871641	10.285390	7.203681	11.086544	10.117583	9.625275	11.179889	9.674604
## 871642	10.360216	7.544576	11.238606	10.264330	9.971811	11.251288	9.625905
## 872113	10.587189	7.910122	11.942511	9.881047	10.545055	11.487493	9.535041
## 872608	11.092038	10.332130	11.391050	9.585258	10.672009	11.938929	10.867303
##	854253	854268	854941	855133	855138	855167	855563
## 842517							
## 84300903							
## 84348301							
## 84358402							
## 843786							
## 844359							
## 84458202							
## 844981							
## 84501001							
## 845636							
## 84610002							
## 846226							
## 846381							
## 84667401							
## 84799002							
## 848406							
## 84862001							
## 849014							
## 8510426							
## 8510653							
## 8510824							


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## 8511133
## 851509
## 852552
## 852631
## 852763
## 852781
## 852973
## 853201
## 853401
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## 85382601
## 854002
## 854039
## 854253
## 854268      3.356343
## 854941      8.630983  7.140961
## 855133      9.785494  8.774980  6.496251
## 855138      4.985070  2.755147  7.460523  9.299263
## 855167      6.076439  4.704437  4.641840  7.191012  5.099389
## 855563      6.338382  4.273221  7.556850  9.331103  3.972188  6.198439
## 855625      8.895025  9.876381  14.560594  13.878267  11.456947  13.188484  12.666633
## 856106      3.823400  2.196178  7.340562  8.956710  2.707126  4.796689  3.792645
## 85638502    4.500012  2.884309  6.922033  9.075644  2.700040  3.619119  4.269943
## 857010      4.085266  5.147850  10.474572  10.677583  5.691247  8.494532  7.653299
## 85713702    8.260137  6.520314  5.023568  8.713214  6.740953  4.956289  6.302831
## 85715      4.537647  3.124154  8.752838  10.442697  3.019124  6.569930  3.553324
## 857155      6.347234  4.496965  5.227765  7.947790  4.195386  3.825346  4.709329
## 857156      5.737264  4.164428  4.075913  6.686199  4.721035  1.691844  5.346497
## 857343      7.659472  6.144140  2.956171  6.029262  6.522347  3.224917  6.695370
## 857373      7.485957  5.808550  3.783506  7.138466  5.592485  2.861660  6.886386
## 857374      7.228580  5.646412  4.197931  7.406126  5.805380  3.018404  6.379189
## 857392      5.250297  5.332808  7.843456  7.692440  6.417099  6.926861  7.141764
## 857438      5.331083  4.025755  5.420232  7.036777  3.941399  2.357541  5.256805
## 85759902    6.538700  5.433873  4.388219  7.567141  6.085489  3.957253  5.996762
## 857637      4.405730  5.620593  9.443757  8.966062  6.302314  7.534499  7.599343
## 857793      3.958769  2.482237  7.805631  9.019552  3.370281  5.589818  4.514215
## 857810      7.998812  6.725626  3.577933  6.219891  7.274007  3.614971  7.544707
## 858477      8.645294  7.030668  6.876644  10.061856  6.606622  6.609745  6.066939
## 858970      8.548230  7.594108  7.324768  9.605924  8.424678  7.563862  7.549031
## 858981      8.267442  6.634590  6.323442  8.706302  7.188025  7.114856  4.999201
## 858986      6.546609  5.198764  10.661940  10.355089  5.750632  9.107788  6.591058
## 859196      8.617964  7.204517  6.372316  9.210520  8.289841  7.376927  8.086747
## 85922302    4.515892  2.849463  8.095603  9.053291  3.103292  6.020175  2.633965
## 859283      4.202217  2.945889  7.431621  8.627220  3.534228  5.571019  3.239075
## 859464      7.733772  5.651976  5.361836  8.188884  5.951577  5.643012  4.069223
## 859465      7.469140  5.848075  3.761198  6.934351  5.913434  3.587658  6.174969
## 859471      13.147356  12.154148  15.908749  17.133214  12.975500  15.398791  13.301252
## 859487      7.337374  5.923457  3.589994  7.066258  5.876299  3.796792  6.165365
## 859575      5.939897  6.297555  7.927576  6.789758  6.699977  6.096100  8.498904
## 859711      13.003883  11.159485  12.550142  13.416939  11.394934  12.784403  11.306001
## 859717      5.699260  5.137726  11.168259  11.159592  5.798046  8.818985  7.401538
## 859983      5.718237  3.684068  6.227571  8.324201  2.673349  4.338015  4.815541
## 8610175     6.655798  4.789938  3.843825  6.947979  4.812479  2.381806  5.596974
## 8610404     5.348914  5.070799  6.898892  6.030606  5.539617  5.498005  6.487562

```

## 8610629	8.021900	6.937287	7.557176	9.242102	7.141780	7.618216	6.623862
## 8610637	6.322541	6.852091	11.621347	10.812160	7.505448	9.947686	9.137861
## 8610862	12.280797	13.557597	17.964187	17.826715	14.898292	17.127398	15.112269
## 8610908	5.978174	4.100171	4.079561	7.042862	4.287809	2.652569	4.787625
## 8611103	7.083071	5.041158	5.455875	7.630333	5.525130	5.430589	3.433655
## 8611161	4.681021	2.793834	7.704383	9.814748	2.931398	6.097266	4.230204
## 8611555	10.385389	10.946682	15.172649	13.581390	11.337972	13.673905	12.727278
## 8611792	8.261063	7.688749	9.900310	9.711612	8.492208	10.090159	8.544310
## 8612080	5.819705	4.227885	4.874941	8.008610	4.856513	3.342542	4.785173
## 8612399	3.859496	4.737425	7.965634	7.950155	6.007072	6.346809	6.975891
## 86135501	5.170907	4.067212	5.526028	6.688431	5.534816	5.074241	5.468280
## 86135502	3.204749	4.303286	8.868487	9.244337	5.472117	6.029609	7.541259
## 861597	5.510667	3.162176	5.029751	7.295539	3.956022	3.539797	4.199653
## 861598	5.085704	3.951313	7.045072	8.167022	4.576920	5.787653	5.861493
## 861648	6.156859	4.699355	3.927545	6.056164	5.291411	2.291666	5.998300
## 861799	5.230902	3.972443	5.516147	7.127811	4.402476	4.393730	5.605984
## 861853	7.913632	6.593717	3.854302	6.003221	6.511619	3.459675	7.762817
## 862009	6.069118	4.597623	3.569050	6.453311	4.899652	2.864696	5.035991
## 862028	4.536130	3.412864	8.071737	8.447651	3.483020	6.351487	5.134864
## 86208	4.244150	5.300415	8.922970	8.546663	6.943344	7.083041	8.285819
## 86211	7.611723	5.788613	3.334698	6.295863	5.922735	4.338752	5.816933
## 862261	9.305782	7.135564	4.709185	7.348833	7.120770	6.099980	6.025271
## 862485	7.047136	5.285972	5.255523	8.398758	4.740956	4.246489	5.618121
## 862548	5.093821	2.844996	5.829637	7.462907	3.436384	4.607597	3.843653
## 862717	5.460125	3.834140	5.060367	6.143301	4.470150	2.918740	4.848119
## 862722	9.876145	8.077922	7.124063	10.272158	8.017929	7.744533	6.360885
## 862965	7.414166	5.779259	3.424075	6.866885	6.210047	2.290216	6.193031
## 862980	6.780836	4.370914	5.528528	8.108170	4.267184	4.571698	3.387851
## 862989	7.294115	5.496562	4.619471	7.400957	6.238501	4.657960	5.550785
## 863030	7.263048	5.756216	10.644599	11.844354	5.177927	9.401551	5.428576
## 863031	6.082898	3.846041	5.927344	7.926659	3.798496	5.198533	2.301881
## 863270	6.790958	5.100828	4.252965	7.741700	5.115418	1.862511	5.834680
## 86355	11.473349	12.530945	17.466496	15.981733	13.444528	16.036260	14.323797
## 864018	6.506382	4.476589	5.690336	8.163076	4.286745	4.213771	3.966799
## 864033	8.029051	6.222931	5.780393	8.246513	6.440351	6.574142	5.583276
## 86408	7.290218	5.158793	6.102137	7.455517	5.520692	6.504713	5.342552
## 86409	9.461210	7.839726	10.924128	11.809246	8.584879	10.484772	10.006825
## 864292	8.219415	5.949708	6.332224	8.286889	6.238689	6.957980	5.207879
## 864496	7.988059	5.824071	7.227635	9.892379	4.980067	6.556905	4.380551
## 864685	6.590130	4.345982	5.093698	7.121446	4.188162	3.580793	4.222745
## 864726	10.597588	8.595515	8.345810	9.534862	8.634302	9.231759	8.625310
## 864729	4.379730	3.705181	9.278376	10.268355	3.721289	7.211272	4.399748
## 864877	5.637175	4.726950	10.804399	11.016997	5.029097	8.844912	5.725872
## 865128	5.176934	6.786351	7.782055	9.495361	8.484528	6.567027	9.319152
## 865137	7.113575	5.529273	5.905129	9.048577	4.914525	4.620265	5.774424
## 86517	4.864576	4.962185	7.809423	7.477716	5.723409	6.762758	6.640242
## 865423	14.827488	15.583354	18.917396	17.096524	16.682619	18.690439	16.597658
## 865432	5.984287	4.750945	5.530053	8.179600	4.536817	4.768187	5.714389
## 865468	7.415989	5.313571	4.532994	7.395440	5.385128	3.838920	6.960221
## 86561	7.323981	5.761550	3.845595	6.927577	5.715655	2.459197	6.515250
## 866083	4.724371	3.347763	6.131144	8.102262	3.899672	2.774999	4.417917
## 866203	5.529412	5.723535	6.914398	6.423521	6.911626	5.412618	8.490630
## 866458	5.976564	4.800342	7.059028	8.115400	4.917319	6.591091	5.731937
## 866674	4.657455	4.873768	9.438769	9.568039	6.075746	7.188287	7.395648

## 866714	6.139182	4.717084	5.780659	8.881932	4.901084	4.929310	5.295774
## 8670	4.253391	3.370267	6.853838	7.620390	3.539741	4.695517	4.672741
## 86730502	3.603096	3.144161	6.729404	7.674317	4.394563	4.073012	5.099027
## 867387	5.612434	4.655359	4.992500	7.253036	4.625431	3.589656	6.245893
## 867739	4.165189	4.381543	7.184000	7.235995	5.235491	5.024159	6.399424
## 868202	6.082134	4.200254	4.377285	7.053272	4.581299	2.863196	4.358112
## 868223	8.502647	6.588945	3.364459	5.500557	6.629037	5.367715	6.116957
## 868682	7.145000	5.379593	3.814389	7.402857	5.275372	2.997412	5.708496
## 868826	7.260938	7.777906	9.761442	8.773858	8.841412	9.764963	9.104097
## 868871	8.111766	6.347256	5.543323	7.452852	6.035281	6.242559	5.833084
## 868999	8.914990	7.469887	5.762546	9.310974	7.485803	5.495570	7.553962
## 869104	4.694313	3.951861	6.067162	6.164098	4.761813	4.689095	5.765595
## 869218	7.097936	5.188576	3.860894	7.166312	5.376374	4.538794	4.436915
## 869224	5.278753	3.995528	5.077251	8.193197	4.309011	2.984107	5.419863
## 869254	8.421573	6.674581	3.432623	7.063438	6.759257	3.943736	7.246580
## 869476	8.000293	6.229758	7.845536	9.735550	6.370533	7.646319	6.359085
## 869691	6.786534	7.189553	10.942716	13.221938	8.561367	9.917294	8.568496
## 86973701	6.407993	4.924370	5.911182	7.777679	6.296285	5.987630	7.265460
## 86973702	5.382188	3.768486	5.455465	7.635044	3.328696	3.890434	5.250026
## 869931	7.443261	5.907770	3.980329	6.933235	5.965788	2.459113	7.348164
## 871001501	6.511589	5.617100	5.610856	7.468325	6.516890	4.961528	5.843193
## 871001502	9.607113	7.310354	10.660315	12.564001	7.871500	10.040913	7.032271
## 8710441	20.201157	19.087811	21.641366	21.725263	19.884297	21.952069	19.905215
## 87106	7.679160	6.326812	4.648377	8.091832	6.297496	4.678791	6.324863
## 8711002	4.652933	3.637209	5.945609	8.721877	4.389833	4.510471	5.109917
## 8711003	6.108788	4.297485	4.433183	7.577324	4.734594	2.416453	5.260849
## 8711202	5.752150	5.272078	8.659515	7.542218	6.048844	7.607131	6.913283
## 8711216	6.811024	5.983884	4.547657	5.536620	7.000273	3.867051	7.999306
## 871122	7.675976	6.007518	4.290663	7.824717	5.631542	3.737873	6.331406
## 871149	8.474421	7.027904	4.482716	7.847404	6.941346	4.206006	7.582866
## 8711561	5.886716	4.429717	5.524774	7.324219	5.599014	5.471218	4.793772
## 8711803	7.271394	7.768805	8.975757	7.488776	8.353429	8.397180	10.040294
## 871201	5.265070	6.368628	10.828989	10.482543	7.060717	8.840328	8.651436
## 8712064	6.969818	4.626149	5.255908	7.289119	4.789660	5.177941	4.167198
## 8712289	5.913354	7.265960	10.574514	10.013376	8.039348	8.508900	10.169995
## 8712291	7.087847	6.024181	3.374165	6.831230	6.395739	2.321969	7.276572
## 87127	9.116083	7.394708	5.698957	8.834759	6.592697	5.787013	7.098096
## 8712729	4.812450	4.395399	5.752824	6.048795	5.351671	4.402035	6.698987
## 8712766	6.866502	6.425713	9.794929	7.662129	6.956018	8.426384	8.048270
## 8712853	6.585919	5.251258	3.775413	6.387276	5.320908	2.828105	5.997385
## 87139402	6.928906	5.616760	5.091762	7.947570	5.424370	4.529082	5.853925
## 87163	5.265649	4.076663	4.791185	6.276227	4.489832	2.622289	5.115055
## 87164	5.517778	4.736964	8.941552	10.231890	4.493532	7.555809	5.928797
## 871641	9.273991	7.545949	4.787405	7.958487	7.597846	6.927166	7.141796
## 871642	8.867931	7.654265	3.971493	7.774742	8.264900	5.442363	7.807050
## 872113	9.421879	7.715129	5.275232	8.920385	7.731954	5.816892	7.459192
## 872608	11.123394	9.323098	11.087352	12.355899	10.065197	11.733718	9.908433
##	855625	856106	85638502	857010	85713702	85715	857155
## 842517							
## 84300903							
## 84348301							
## 84358402							
## 843786							
## 844359							

84458202
 ## 844981
 ## 84501001
 ## 845636
 ## 84610002
 ## 846226
 ## 846381
 ## 84667401
 ## 84799002
 ## 848406
 ## 84862001
 ## 849014
 ## 8510426
 ## 8510653
 ## 8510824
 ## 8511133
 ## 851509
 ## 852552
 ## 852631
 ## 852763
 ## 852781
 ## 852973
 ## 853201
 ## 853401
 ## 853612
 ## 85382601
 ## 854002
 ## 854039
 ## 854253
 ## 854268
 ## 854941
 ## 855133
 ## 855138
 ## 855167
 ## 855563
 ## 855625
 ## 856106 10.706896
 ## 85638502 12.190086 2.360502
 ## 857010 7.853356 5.484723 6.684627
 ## 85713702 14.747675 6.249933 6.000329 10.517694
 ## 85715 10.838993 2.412357 3.709151 5.466857 7.367491
 ## 857155 13.506057 4.086109 3.738396 7.811421 3.953890 5.284999
 ## 857156 12.519990 4.453281 3.727756 8.048088 4.941768 6.054827 3.907130
 ## 857343 14.033392 6.183947 5.647445 9.839294 3.588585 7.875857 4.017144
 ## 857373 14.190981 5.801611 4.906029 9.243533 4.526714 7.442700 3.457867
 ## 857374 14.036503 5.437661 4.992967 9.336358 2.766372 6.925187 3.177161
 ## 857392 9.211702 5.201200 6.573523 5.042562 8.915213 6.302443 6.688860
 ## 857438 12.568547 4.125178 3.108157 7.185585 6.072581 5.682339 3.803535
 ## 85759902 13.218376 5.265260 5.282512 8.923932 2.783585 6.549528 3.670798
 ## 857637 9.039762 5.578202 6.569773 3.610007 10.238081 6.274544 7.638061
 ## 857793 9.712671 1.969621 3.469195 5.062830 7.536561 2.831773 5.406595
 ## 857810 14.327576 6.715284 6.339659 10.130691 3.993465 8.390383 4.441334
 ## 858477 15.385744 6.340897 6.364566 10.270518 3.163659 6.835666 3.983655
 ## 858970 13.390703 6.965177 8.036193 10.300047 5.435791 7.621052 6.500323

## 858981	13.545121	6.471012	7.096367	10.066821	4.500400	6.941780	5.564224
## 858986	7.876029	5.704378	7.258804	5.192756	10.036283	5.551764	8.149317
## 859196	12.278937	7.347295	8.269374	10.294319	5.190137	8.148882	6.907637
## 85922302	10.587851	2.551075	3.636239	5.691038	7.149197	2.534574	5.196659
## 859283	10.453290	2.489690	3.650055	5.455798	7.188670	3.205612	5.148444
## 859464	13.716417	5.444984	5.680415	9.810938	3.713013	6.142376	4.631768
## 859465	14.166082	5.999322	5.413557	9.465674	2.999100	7.331843	3.418805
## 859471	12.402303	13.150683	14.214311	12.600675	14.630326	12.428502	14.247400
## 859487	14.256794	5.828263	5.397816	9.060053	3.493398	7.119363	2.801116
## 859575	10.798297	6.454557	6.632797	5.960701	9.600472	7.954430	7.139459
## 859711	14.202274	11.169237	12.468816	12.930753	10.651089	11.370351	11.225832
## 859717	7.987163	5.553678	6.689556	4.686306	11.019166	5.633297	8.599995
## 859983	12.256322	2.986708	3.133347	6.441341	5.700391	4.302617	2.689987
## 8610175	13.463756	4.654350	4.056835	8.460305	3.660456	6.200975	2.168318
## 8610404	10.857078	5.386043	5.865137	5.799617	7.476622	6.444289	5.508637
## 8610629	13.126752	6.333091	7.517797	8.437412	6.200325	6.666114	5.436651
## 8610637	6.854927	6.747254	8.520975	4.028286	11.316563	6.965242	9.210413
## 8610862	7.229266	13.821280	15.670140	11.073589	17.780145	13.461048	16.740665
## 8610908	12.882733	3.898286	3.566715	7.878495	3.735234	5.486987	1.883988
## 861103	13.056467	4.789591	5.306727	8.900062	4.642598	5.588865	4.388550
## 8611161	10.368209	2.538429	3.950372	5.290135	6.479322	2.519122	4.526203
## 8611555	9.108120	11.288080	12.385243	7.695407	16.380960	11.476981	13.747628
## 8611792	8.924988	8.060190	9.384976	7.560665	11.479266	8.503430	9.934271
## 8612080	12.867506	3.957815	3.885798	8.076239	3.408374	5.144161	2.497238
## 8612399	9.108675	4.774744	5.942325	4.505052	8.796408	5.751678	6.684160
## 86135501	10.298762	4.938814	5.625156	6.756250	6.350944	5.865309	5.423630
## 86135502	9.135041	4.792755	5.185959	4.334409	9.482490	5.893663	7.157093
## 861597	11.554027	3.420520	3.720643	7.561361	4.452030	4.734567	3.838686
## 861598	9.923460	3.781056	5.178969	5.254360	6.596760	4.661478	4.607790
## 861648	12.498234	4.812701	4.422482	8.233808	4.978233	6.712857	3.994423
## 861799	11.071656	4.561769	4.829247	6.374748	5.959261	5.766505	4.673290
## 861853	14.212926	6.722445	5.962827	9.353404	5.600924	8.360565	4.400204
## 862009	12.979414	4.555781	4.182546	7.969373	4.223688	6.064288	2.578789
## 862028	9.489741	3.830669	4.916020	3.813854	7.942664	4.206554	5.542376
## 86208	7.706859	5.916116	6.875168	4.719379	10.003186	7.017720	8.060651
## 86211	13.466313	5.458020	5.711952	9.091879	3.973474	6.778255	3.715537
## 862261	15.055437	6.974671	6.973805	10.954332	4.221990	8.016324	5.011850
## 862485	13.978712	4.715736	4.427678	8.490202	3.402806	5.876770	1.813520
## 862548	10.845731	3.264556	3.964312	6.277374	6.144535	4.169032	4.355404
## 862717	11.953769	4.224794	3.783895	7.408095	5.871351	5.865969	4.269134
## 862722	15.840625	7.235883	7.677545	11.571303	3.999640	7.746639	5.513818
## 862965	14.267308	5.898606	4.955777	9.900111	4.181566	7.422281	4.230567
## 862980	13.161343	4.251393	4.329168	8.450924	3.497594	4.919070	3.025384
## 862989	13.023250	5.272281	5.742532	9.283900	3.027961	6.480600	4.016705
## 863030	11.325036	5.244911	6.764178	6.222619	9.568731	3.948657	7.206206
## 863031	12.306311	3.657954	4.205194	7.431096	5.017280	4.023853	3.497126
## 863270	14.072432	4.936929	3.707268	9.082718	3.851826	6.566280	2.933353
## 86355	7.139833	12.853825	14.448710	8.598836	17.889498	12.543680	15.588407
## 864018	13.507620	4.434338	3.875484	8.503072	3.910627	5.435007	3.107685
## 864033	13.243949	6.107588	6.780703	9.399322	3.671396	6.827317	4.711801
## 86408	11.399791	5.568407	6.513767	7.942024	5.983183	6.216631	5.646153
## 86409	9.412865	8.770341	9.891398	8.706113	11.034845	9.214174	10.010613
## 864292	12.586643	5.775016	6.862605	9.189892	5.123583	6.405784	5.485491
## 864496	14.216086	5.099770	5.391082	9.134389	4.360057	5.253419	3.849260

## 864685	13.178259	4.167083	3.875738	8.267486	3.863847	5.483446	2.504308
## 864726	13.852305	9.007411	9.645710	10.911032	6.982967	9.587566	7.679735
## 864729	10.029321	2.990861	4.641251	4.094269	8.427553	2.237940	5.867820
## 864877	8.941556	4.817659	6.405092	4.412469	10.167315	4.101401	7.828236
## 865128	10.533009	7.109409	7.452997	7.897916	8.455396	8.338066	7.937218
## 865137	14.316698	4.992813	4.495744	8.558074	3.859528	5.873223	1.934275
## 86517	9.475139	5.046670	6.293559	4.351706	8.814776	5.810598	6.424093
## 865423	10.726798	15.988982	17.774393	12.641004	19.410619	15.721297	17.930909
## 865432	12.546408	4.178026	4.609921	6.731716	5.519201	5.225886	2.850552
## 865468	13.180015	5.970565	5.386250	8.661344	5.183713	7.386883	4.052137
## 86561	14.308047	5.550794	4.734607	9.172033	4.317499	7.258857	2.948145
## 866083	12.258388	3.379118	2.161834	7.348185	5.839263	4.911363	4.156652
## 866203	10.111321	6.334965	6.651181	6.256498	8.688125	7.843770	6.715765
## 866458	10.376066	4.629301	6.005065	5.717701	6.999169	5.255988	5.263511
## 866674	8.837386	5.411700	6.195033	4.482979	10.251098	6.195748	7.870113
## 866714	12.673002	4.036605	4.562295	7.817021	3.756169	5.005931	2.824584
## 8670	11.077732	3.160508	3.721668	4.865857	7.030971	4.263145	4.075129
## 86730502	10.492112	3.031174	3.564363	5.538342	7.026636	4.606655	4.823486
## 867387	12.328790	4.463563	4.411303	6.689539	5.693482	5.882815	3.308992
## 867739	10.602894	4.670186	4.874178	5.239318	8.285479	6.054913	5.757464
## 868202	13.068256	4.418533	3.749712	8.401837	4.270161	5.766572	3.461241
## 868223	14.107753	6.713105	6.622513	9.728367	5.503748	7.838679	4.650651
## 868682	14.075281	5.147295	4.499167	8.981323	3.225830	6.502347	2.300853
## 868826	8.361249	8.035368	9.550788	6.874672	10.068191	8.435298	9.126857
## 868871	13.541243	6.139356	6.616652	8.722127	4.990005	6.791147	4.219564
## 868999	15.693543	6.837428	6.587320	10.892079	2.880780	8.002906	4.020539
## 869104	10.364580	3.879342	4.839463	5.428381	6.822686	5.437803	4.562590
## 869218	13.316150	4.848456	5.040420	8.886403	3.697029	6.009945	3.266650
## 869224	12.570436	3.576373	3.249990	7.498777	3.739240	5.168911	2.409027
## 869254	14.825945	6.756524	6.095088	10.275197	3.321058	8.256530	3.683454
## 869476	12.131291	5.676396	7.089670	8.530417	5.805006	6.207022	5.541726
## 869691	9.368464	7.072423	8.549923	8.278924	9.440984	6.735518	9.424578
## 86973701	9.795152	5.698017	6.620922	7.576101	6.642376	6.982171	6.124917
## 86973702	11.958060	3.727154	3.737719	6.178716	5.516508	4.893892	2.838789
## 869931	14.059385	6.007526	5.049415	9.226297	4.899442	7.805077	3.668881
## 871001501	12.506878	5.248225	5.860798	8.514238	5.025858	6.296336	4.877526
## 871001502	12.493004	7.536295	8.680998	10.503007	8.379814	7.057169	8.663434
## 8710441	17.375435	19.882289	21.264887	19.157113	21.147138	19.347510	20.911499
## 87106	14.510272	5.926672	5.792064	9.456766	2.555371	6.988629	3.010598
## 8711002	11.749276	3.539260	4.017096	6.731322	4.157652	4.532717	3.037420
## 8711003	13.027119	4.093434	3.720794	8.345705	3.210414	5.607459	2.637356
## 8711202	8.558678	5.628751	6.997805	4.424075	9.376706	6.342197	7.123246
## 8711216	12.080565	6.530352	6.292207	8.453541	7.069731	8.255398	5.888381
## 871122	14.705486	5.645129	5.019090	9.311953	3.488413	6.928548	2.243537
## 871149	15.353532	6.771279	6.049187	10.460400	3.341880	8.224385	3.673200
## 8711561	11.083721	4.483171	5.602070	7.636742	4.652823	5.469570	4.559303
## 8711803	9.715688	8.172452	9.017311	6.410907	10.258024	9.175684	8.576131
## 871201	8.697285	6.427457	7.491469	3.253993	11.634093	6.859004	8.782429
## 8712064	12.490675	4.796114	5.196981	8.348407	4.689338	5.768776	4.183138
## 8712289	9.112827	7.643669	8.163440	5.338354	11.946524	8.568303	9.573927
## 8712291	14.024078	6.171056	5.218416	9.302116	5.051966	7.930790	4.173543
## 87127	15.905238	6.907459	6.458477	10.224367	4.119408	7.893973	3.270861
## 8712729	10.221471	4.789870	5.300066	5.832630	7.156047	6.272781	5.287699
## 8712766	9.092566	6.774553	7.736644	5.595167	10.939587	7.685381	8.470207

## 8712853	13.385798	5.046859	4.612101	8.156280	4.973294	6.624534	3.078362
## 87139402	13.736945	5.166721	5.209708	8.293478	3.814373	6.113107	2.644205
## 87163	12.349820	4.153039	3.678576	7.244263	5.258488	5.762460	3.302955
## 87164	10.648409	4.184278	5.606280	4.187213	8.552638	4.048710	5.673575
## 871641	14.446575	7.571065	7.968063	10.460735	4.380822	8.359491	5.534147
## 871642	14.931947	7.480060	7.407249	11.058361	3.406421	8.807212	5.147504
## 872113	15.779979	7.265209	7.097203	11.366155	2.164116	8.440678	4.505159
## 872608	11.454269	9.968915	11.290438	11.199111	10.220783	9.973881	10.559408
##	857156	857343	857373	857374	857392	857438	85759902
## 842517							
## 84300903							
## 84348301							
## 84358402							
## 843786							
## 844359							
## 84458202							
## 844981							
## 84501001							
## 845636							
## 84610002							
## 846226							
## 846381							
## 84667401							
## 84799002							
## 848406							
## 84862001							
## 849014							
## 8510426							
## 8510653							
## 8510824							
## 8511133							
## 851509							
## 852552							
## 852631							
## 852763							
## 852781							
## 852973							
## 853201							
## 853401							
## 853612							
## 85382601							
## 854002							
## 854039							
## 854253							
## 854268							
## 854941							
## 855133							
## 855138							
## 855167							
## 855563							
## 855625							
## 856106							
## 85638502							
## 857010							

## 85713702								
## 85715								
## 857155								
## 857156								
## 857343	3.206826							
## 857373	3.337740	2.893157						
## 857374	3.337245	2.529015	2.798206					
## 857392	6.325097	7.508246	7.613406	7.547763				
## 857438	2.346883	4.250727	3.524572	4.212233	6.115154			
## 85759902	3.741926	2.919198	4.308133	2.238720	7.008172	4.847842		
## 857637	7.108914	8.877224	8.431968	8.683632	4.082636	6.002813	8.354459	
## 857793	5.015876	7.039356	6.701398	6.585319	4.547434	4.821451	6.306396	
## 857810	3.888484	2.100539	3.363398	2.402531	7.540285	4.817867	3.067424	
## 858477	6.629399	5.709105	5.730044	4.450818	9.394046	6.915044	4.523988	
## 858970	7.188260	6.695381	7.941917	5.839295	7.826148	8.353764	4.610892	
## 858981	6.264208	5.595067	7.179352	5.880616	8.311047	7.223617	4.606001	
## 858986	8.348332	9.842738	9.593185	9.587053	6.521869	8.028818	9.356683	
## 859196	6.713910	6.349792	7.252867	5.863591	8.267148	8.351723	5.131278	
## 85922302	5.269919	7.011198	7.015281	6.680247	5.893138	4.767703	6.254262	
## 859283	4.694504	6.626796	6.692315	6.405406	4.708821	4.386655	5.908197	
## 859464	4.812981	4.568116	5.568476	4.684593	8.081793	5.725946	4.161213	
## 859465	3.453316	2.091456	2.914377	2.134321	7.885706	4.185452	2.737756	
## 859471	14.650115	15.606655	15.673339	15.063499	14.250325	15.196619	14.582105	
## 859487	3.707369	2.569733	3.009613	2.224701	7.257817	4.198038	2.566263	
## 859575	5.991159	7.243256	6.740518	7.522093	4.733891	4.820780	7.735338	
## 859711	12.234666	11.902219	11.909132	11.231362	11.992843	12.755332	11.271867	
## 859717	8.439844	10.323817	9.693070	10.053548	6.364730	7.555541	9.953065	
## 859983	4.309136	5.317226	3.992454	4.490737	5.829101	3.615928	5.135135	
## 8610175	2.521082	2.700355	2.058615	2.048153	6.728155	3.217549	3.169597	
## 8610404	4.905580	5.960826	5.997109	5.895471	4.988152	4.260395	5.757283	
## 8610629	7.132553	7.078152	7.407560	5.946099	6.602411	7.491376	5.297988	
## 8610637	9.509019	10.814547	10.398545	10.276023	5.380388	8.953503	9.866337	
## 8610862	16.287379	17.635232	18.142072	17.453569	12.120196	16.431665	16.194016	
## 8610908	2.410757	2.878826	2.732908	2.490295	6.150715	3.011116	2.917557	
## 861103	4.495117	4.795253	5.615078	4.910519	6.959982	5.151962	4.469783	
## 8611161	5.506054	7.032723	6.463203	6.136125	5.827893	5.543953	5.863555	
## 8611555	13.082723	14.912208	14.243765	14.927438	8.983094	12.050987	14.845730	
## 8611792	8.953442	10.165001	10.294286	10.681608	5.734850	8.922388	10.130999	
## 8612080	3.138300	3.882324	4.037594	2.752124	6.532096	4.065146	2.590413	
## 8612399	5.796248	7.482419	7.340238	7.203756	2.900583	5.312059	6.718046	
## 86135501	3.752522	5.356168	5.988837	5.448336	5.127251	4.756727	4.796310	
## 86135502	5.883983	8.036107	7.500740	7.697757	4.791521	5.041100	7.619427	
## 861597	2.566268	4.059593	4.241191	3.688780	6.074252	3.626657	3.728358	
## 861598	5.263214	6.337002	6.136621	5.565018	4.172364	5.461849	5.200700	
## 861648	2.044159	2.502300	3.084430	3.202465	5.899889	2.736125	3.620198	
## 861799	3.505575	4.759826	4.833555	4.547434	5.488400	3.718201	4.462330	
## 861853	3.752292	3.353559	2.213071	3.760855	7.531105	3.967309	4.973322	
## 862009	2.314404	2.673720	3.035547	2.989512	6.045843	2.910328	3.007337	
## 862028	5.572669	7.358714	6.894801	6.894653	4.862633	5.051735	6.761247	
## 86208	6.610901	8.400940	8.295367	8.403431	3.649052	6.227778	8.007007	
## 86211	3.681380	3.103100	3.900807	3.025758	6.527453	4.846057	3.144967	
## 862261	5.589396	4.118020	4.986549	4.785927	8.683674	6.226294	4.949555	
## 862485	4.467107	4.086975	3.138330	2.739730	7.413742	4.524031	3.645964	
## 862548	3.491798	5.462313	5.087887	5.201035	5.157265	3.665526	5.209654	

## 862717	2.129862	3.818591	4.200229	4.480659	5.709100	2.113736	4.648319
## 862722	7.513136	6.343617	7.149638	5.749590	9.675934	8.226075	5.308112
## 862965	2.185902	2.517135	3.022563	2.956597	7.787465	3.607827	3.738051
## 862980	3.866656	4.449761	4.776263	3.705044	7.359001	4.600735	3.726203
## 862989	4.121770	3.653565	5.006120	3.158687	6.932555	5.557122	2.519732
## 863030	8.789179	10.088411	9.508918	9.320581	7.248246	8.258745	9.049159
## 863031	4.220850	5.247833	5.396743	4.959444	6.462960	4.483859	4.622076
## 863270	2.497120	2.948209	2.200643	2.541767	7.588460	3.194694	3.722292
## 86355	15.364836	17.099334	16.949711	16.929031	10.433578	14.830729	16.281089
## 864018	3.958722	4.112112	4.145010	3.841462	7.757726	3.822924	4.158210
## 864033	5.934469	4.830102	5.818230	4.728721	7.903762	6.601454	3.999942
## 86408	5.305496	5.854980	6.144901	5.749077	6.707611	6.048919	5.574277
## 86409	9.758523	10.809235	10.290453	10.578635	8.768708	10.198779	10.732751
## 864292	6.007591	5.917438	6.556168	5.630040	7.402549	6.936198	5.333713
## 864496	6.271267	6.122558	5.998553	5.171392	8.627439	6.394788	5.239167
## 864685	3.319543	3.453127	3.529910	3.122327	6.847933	3.362801	3.697519
## 864726	8.562766	7.749321	8.062406	7.617227	10.230829	9.188506	7.681545
## 864729	6.647399	8.509514	7.985985	7.703003	5.251183	5.961195	7.343098
## 864877	8.182832	10.006754	9.593703	9.464597	6.142721	7.449602	9.205355
## 865128	6.432223	7.256990	7.934198	7.209929	6.321160	6.971996	6.078059
## 865137	4.939074	4.849156	3.772449	3.397880	7.891162	4.858958	4.145071
## 86517	6.054926	7.490353	7.222540	7.304415	2.808559	5.381357	6.957879
## 865423	17.764660	18.800254	19.186677	18.813821	12.773665	17.559572	17.871238
## 865432	4.532480	5.246429	4.421798	4.252286	5.387975	4.589099	4.404683
## 865468	3.792675	4.087637	2.621547	3.914536	7.506230	4.270139	5.178358
## 86561	3.097896	2.630919	1.648151	2.340864	7.212653	3.265710	3.781042
## 866083	2.646849	4.794674	4.668970	4.675675	6.565734	2.268419	4.873966
## 866203	5.201785	6.505569	6.258876	6.655478	4.348699	4.933236	6.715543
## 866458	5.687380	6.728319	6.571019	6.147812	4.764837	5.914089	5.777175
## 866674	6.686152	8.946176	8.573125	8.708032	4.273781	6.131154	8.592323
## 866714	4.815159	4.806408	4.643706	3.593653	6.572860	5.220807	3.166220
## 8670	4.223107	5.964665	5.599884	5.506740	4.064179	3.284616	5.436456
## 86730502	3.592615	5.870642	5.752347	5.527138	4.084305	3.323951	5.344034
## 867387	3.466621	4.549779	3.497378	3.713724	5.248021	3.333604	4.208026
## 867739	4.702069	6.407911	6.040275	6.527031	4.182343	3.440744	6.508521
## 868202	2.166833	3.114278	3.452655	3.368878	6.907043	2.662888	3.617644
## 868223	4.523182	3.899387	4.361793	5.032876	7.328802	5.182867	5.203248
## 868682	3.027693	2.895946	2.645770	2.115108	7.292739	3.951017	3.003946
## 868826	8.894862	9.240418	10.197308	9.505101	6.054455	9.145290	8.195541
## 868871	5.491863	5.316080	5.448882	4.830946	7.309619	6.098679	4.760578
## 868999	6.004217	4.549465	4.739919	3.161868	9.010251	6.659956	3.685563
## 869104	4.151728	5.286862	5.157621	5.228984	3.197593	3.711780	5.120186
## 869218	3.765429	3.434938	4.144972	3.785485	6.728417	4.633042	3.413892
## 869224	3.193649	3.814938	3.245303	2.627559	6.429053	3.627317	2.924142
## 869254	4.170679	2.418756	2.353438	2.716729	8.387184	5.011954	3.831730
## 869476	7.221534	6.933658	7.061072	6.035515	7.170113	7.563234	5.705768
## 869691	9.283031	10.488643	10.965771	9.711863	8.410084	10.151515	8.388047
## 86973701	5.235223	5.773232	5.805169	5.888168	5.579211	6.108455	5.690149
## 86973702	3.524612	4.850045	3.775164	4.002936	5.570240	3.327788	4.477281
## 869931	3.291884	2.867163	1.509468	2.970259	7.430969	3.616878	4.418722
## 871001501	4.385925	4.806671	6.143296	4.233942	6.090942	5.509504	3.094979
## 871001502	9.375127	9.997956	10.062389	9.277381	10.247300	9.954514	9.072793
## 8710441	21.022129	21.776034	21.830352	21.351106	19.545885	21.658449	21.043167
## 87106	4.689419	3.622032	4.018129	2.288062	7.860490	5.372938	2.319880

## 8711002	4.284137	4.808851	4.698005	3.642353	6.132370	4.561390	3.024818
## 8711003	2.465569	3.116652	3.043568	1.771836	6.706330	3.530144	2.560469
## 8711202	6.778119	8.146194	8.102416	8.144929	3.356264	6.378704	7.830264
## 8711216	3.563335	4.617144	4.520418	5.226245	5.957086	4.329307	5.682122
## 871122	4.100713	3.340431	2.334103	2.270408	7.714995	4.354226	3.491772
## 871149	4.814136	3.154818	2.605842	2.551982	8.706276	5.263278	3.811458
## 8711561	4.516902	4.646320	5.905393	4.665849	5.548293	5.521837	3.337447
## 8711803	7.925702	8.537727	8.457931	8.573077	5.669783	7.576887	8.292641
## 871201	8.475669	10.399379	9.793855	10.092231	4.521313	7.507693	9.841832
## 8712064	4.275853	4.418137	4.780689	4.580511	6.853150	4.673384	4.571225
## 8712289	8.352576	10.136500	9.343868	9.977108	5.794062	7.264059	9.988447
## 8712291	2.827129	2.568104	2.375664	3.116547	7.219896	3.407195	3.920313
## 87127	6.081780	4.839722	3.982560	3.918041	9.023977	6.049598	4.937268
## 8712729	3.779248	5.281189	5.099675	5.297086	3.782073	3.705211	5.230152
## 8712766	7.825584	9.094570	8.923145	9.569931	4.806967	6.917532	9.519431
## 8712853	2.698779	3.263338	2.797044	3.064536	5.998117	2.999862	3.740569
## 87139402	4.381556	4.310322	4.139155	2.794962	6.962273	4.833062	2.960193
## 87163	2.327919	3.453678	3.425693	3.684922	5.765345	1.784329	3.905541
## 87164	7.128107	8.511704	7.735393	7.633041	4.931868	6.562976	7.447424
## 871641	6.222293	4.929046	5.651251	4.824224	8.600401	7.122438	4.537798
## 871642	5.398605	3.555529	5.077239	3.730425	8.450207	6.666731	3.243646
## 872113	6.054537	4.025477	4.817899	3.286896	9.322049	6.890179	3.610280
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##	857637	857793	857810	858477	858970	858981	858986
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 ## 858986 6.681795 5.186121 10.421000 9.998160 10.171136 8.828743
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 ## 85922302 5.705652 2.963505 7.740763 7.092400 7.948623 6.134492 4.977001
 ## 859283 5.136409 2.413401 7.281431 7.470829 7.639480 6.249803 5.485337
 ## 859464 9.258543 6.311881 5.384228 4.621819 5.962852 2.743238 8.500158
 ## 859465 8.813966 7.114802 2.773888 4.693500 6.868314 5.424333 9.510789
 ## 859471 14.828311 12.944071 16.317700 14.467758 14.498149 13.677605 10.849096
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 ## 859575 3.776768 6.307871 7.349554 10.258633 10.369350 10.110260 8.190216
 ## 859711 13.678339 11.406273 11.918086 10.477362 10.431301 10.229645 10.105044
 ## 859717 5.506613 4.694376 10.714806 11.076244 11.133620 10.282153 4.027639
 ## 859983 6.434490 3.944268 5.792711 5.546317 7.474197 6.833616 6.734276
 ## 8610175 7.831659 5.615623 3.081761 4.942712 6.512788 5.879832 8.672184
 ## 8610404 4.470097 5.762062 6.031794 7.955753 8.427952 7.552720 6.972749
 ## 8610629 8.375282 6.977765 6.557616 5.784933 4.816933 5.741214 8.636735
 ## 8610637 5.144846 6.133778 10.892726 11.119748 10.202811 10.723463 5.172960
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 ## 8610908 7.314986 4.897773 3.455474 4.848403 6.140640 5.194968 8.054840
 ## 861103 8.153724 5.536416 5.400024 5.285566 6.076746 3.242198 7.683293
 ## 8611161 6.466537 3.036892 7.562960 6.258832 7.079639 6.389484 4.988103
 ## 8611555 7.631028 10.282376 15.126306 16.405280 16.035494 15.402038 8.595413
 ## 8611792 7.087220 6.957352 10.636923 12.001558 10.859673 9.632395 6.620304
 ## 8612080 7.639460 5.091788 3.910734 4.450813 5.108622 4.940629 8.353976

## 8612399	2.549652	4.408304	7.404575	9.194650	8.156075	8.576097	6.796871
## 86135501	6.103713	4.996704	5.599581	7.612909	6.858924	5.725026	6.677793
## 86135502	3.678371	4.376416	8.210700	10.092668	9.813446	9.911313	6.963777
## 861597	7.110610	4.063256	4.662710	5.749932	6.182805	5.069785	6.767348
## 861598	5.776805	3.828203	6.508062	6.836166	6.156560	6.649688	5.853454
## 861648	7.116189	5.372415	3.084378	6.689531	7.012122	6.198539	8.465420
## 861799	6.059062	4.961506	5.341003	6.937393	7.637311	6.431497	6.855020
## 861853	8.235694	7.443108	3.523187	6.926998	8.541001	7.927317	9.982070
## 862009	7.074074	5.392698	3.318201	5.413267	6.511105	5.146738	8.429010
## 862028	4.587600	3.813173	7.833476	8.004551	8.700399	7.557518	4.095233
## 86208	3.348133	5.204736	8.350044	10.835414	9.573662	9.752379	6.723621
## 86211	8.347853	6.053773	3.538882	5.235579	5.146292	4.924998	8.884045
## 862261	10.146170	7.773523	4.778123	5.146468	7.036622	4.338292	9.673370
## 862485	8.342026	6.090105	4.442360	3.159743	6.440380	5.986273	8.746891
## 862548	5.759968	3.405949	5.934087	6.764585	7.329557	5.861515	5.626217
## 862717	6.290709	4.638610	4.731987	7.192951	7.953272	6.314788	7.404886
## 862722	11.326365	8.386401	6.591295	3.393242	5.061618	4.112201	10.586672
## 862965	8.760474	6.688371	3.011746	6.229943	7.280540	6.256179	9.925212
## 862980	8.353947	5.369082	5.057408	4.169061	6.000814	3.993190	7.485007
## 862989	8.815759	6.110016	3.721270	4.827311	3.807386	3.763703	8.664228
## 863030	7.709371	5.071989	10.677113	8.414108	9.316239	8.449457	5.251894
## 863031	7.207509	4.419909	5.995092	5.076372	6.502529	4.047834	6.534186
## 863270	8.424709	6.002706	3.644983	5.323447	7.320248	6.484909	9.383577
## 86355	9.778401	11.793408	17.322164	17.768694	16.268654	16.347734	9.507231
## 864018	8.122547	5.816980	5.012978	4.245895	7.414988	4.976634	7.936832
## 864033	9.284110	7.061816	5.410146	4.045786	5.588280	3.004734	8.262590
## 86408	7.900946	5.770875	6.478358	6.681260	7.226473	5.150957	6.156307
## 86409	10.174603	8.243763	11.354234	11.587662	11.421719	10.936362	6.373803
## 864292	9.181498	6.232403	6.437717	5.628429	5.770222	3.846116	7.170349
## 864496	9.505987	6.325209	6.924926	2.847694	6.594853	4.841673	8.202135
## 864685	7.714456	5.285596	4.060709	4.618447	6.688148	4.842439	7.658780
## 864726	11.366404	9.619792	8.301101	7.316212	9.218102	6.841826	8.846247
## 864729	4.853443	3.096256	8.864897	7.845506	8.293826	7.760214	4.776072
## 864877	5.663273	4.325739	10.481073	9.723362	10.027064	9.032482	3.161527
## 865128	6.985119	7.204934	7.069293	9.775890	7.752697	9.097992	10.374879
## 865137	8.526446	6.413165	5.017554	3.215115	6.800594	6.338229	9.097793
## 86517	2.653132	4.711203	7.493746	8.933841	8.412422	8.265937	6.136987
## 865423	13.054838	15.162281	18.702094	19.380203	17.368539	17.081900	12.556205
## 865432	6.679896	4.892748	5.432408	5.405998	6.276507	6.658738	7.956843
## 865468	8.423282	6.642427	4.487323	6.469702	8.459165	7.360311	8.421774
## 86561	8.171202	6.544270	2.678611	5.536515	7.271169	6.724526	9.680873
## 866083	6.545386	4.253500	5.539101	6.795869	7.976792	6.682440	7.763611
## 866203	4.618626	6.162846	6.218740	9.779947	9.006438	9.326210	8.146427
## 866458	6.100522	4.670350	6.993903	7.167056	6.892715	6.468230	5.765366
## 866674	4.135374	4.557772	9.105241	10.870308	10.246008	10.007994	6.056509
## 866714	7.827001	5.177425	4.942623	3.705484	4.812027	4.979596	8.162389
## 8670	4.234564	3.592492	6.245346	7.208258	7.781633	7.150561	6.294975
## 86730502	4.393228	3.208490	5.976687	7.818557	7.410603	7.169567	6.672135
## 867387	6.008869	5.107912	4.482181	6.257895	7.075258	7.204645	8.166179
## 867739	3.255441	4.754159	6.601224	8.818167	9.188260	8.438520	7.131506
## 868202	7.494861	5.320885	4.048630	5.542832	7.216495	5.198413	8.206894
## 868223	8.693351	7.138367	4.690191	6.495599	7.672998	5.470115	9.140138
## 868682	8.482275	6.155688	3.331597	4.573820	6.346041	5.662161	9.249862
## 868826	7.019363	7.725935	9.665277	10.437006	8.500055	8.579264	7.646017

## 868871	8.580471	6.810956	5.568736	5.208364	6.509402	4.983302	8.251283
## 868999	10.516991	8.137463	4.169724	3.425942	5.342355	6.271571	11.138471
## 869104	4.097664	4.087426	5.402828	7.363089	7.182602	6.943871	6.320255
## 869218	8.193181	5.633839	4.255555	4.661437	5.630611	3.570457	8.359478
## 869224	7.230363	4.889601	4.130324	4.549977	6.084131	5.963484	8.205498
## 869254	9.624910	7.777911	2.769437	5.094120	7.306441	6.258981	10.192375
## 869476	8.950293	6.305452	7.068165	5.361689	5.276610	5.476719	7.323012
## 869691	9.490983	6.897456	10.838808	9.778846	7.297118	8.726671	8.605782
## 86973701	7.447545	5.575320	6.019928	7.920477	7.008466	6.856369	6.841577
## 86973702	6.137726	4.434209	5.256956	5.799777	7.271357	6.701055	7.068409
## 869931	8.445203	6.823599	3.132532	6.411552	7.995544	7.539761	9.766831
## 871001501	7.737103	5.830296	4.602843	6.251785	3.893092	4.953047	8.949462
## 871001502	11.395487	7.833051	10.403137	8.228648	8.636086	7.428356	7.272115
## 8710441	20.633262	19.342149	22.139090	21.033284	19.975279	19.912424	16.898025
## 87106	9.033680	7.168096	3.522195	3.240437	5.291842	5.115325	9.899592
## 8711002	6.867151	4.810168	5.021536	4.343450	5.637151	5.370503	7.504589
## 8711003	7.815811	5.193154	3.319074	4.672997	5.684537	5.555006	8.469344
## 8711202	4.122614	5.044139	8.347446	9.717640	9.126238	8.404157	4.608383
## 8711216	6.980837	6.636186	4.404337	8.791387	8.406063	8.197324	9.125362
## 871122	8.759004	6.792291	3.436771	4.054899	6.681999	6.256126	9.780181
## 871149	9.754037	7.986001	3.054013	4.494345	7.137667	6.849824	10.795035
## 8711561	7.365884	5.004472	5.114168	5.716610	4.491936	3.436600	7.021408
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## 871201	2.927788	5.677243	10.532598	11.644887	11.157380	11.307949	6.706924
## 8712064	7.904115	5.470192	5.182524	5.428051	6.960082	4.091964	6.915758
## 8712289	3.631201	7.025050	10.069677	12.374540	11.991987	12.202206	8.495288
## 8712291	8.167978	6.906966	2.741792	6.763554	7.776039	7.223412	10.237646
## 87127	9.982277	8.208026	5.016494	3.436860	7.565092	6.723189	10.430328
## 8712729	4.378156	4.743227	5.265437	8.157297	7.675025	7.617401	7.115584
## 8712766	4.625899	6.059777	9.587893	11.315720	11.231327	10.164778	5.454666
## 8712853	7.044790	5.757983	3.204980	6.050421	6.903763	6.402509	8.944636
## 87139402	7.981807	6.288128	4.181896	3.992160	5.527231	5.649560	9.041949
## 87163	5.999387	5.010617	4.050078	6.194506	7.448006	6.260868	7.923670
## 87164	5.529739	4.136806	8.837185	7.811539	8.310235	8.400842	5.709181
## 871641	10.037567	8.321984	5.092142	5.140221	6.334934	4.646931	9.787651
## 871642	10.219288	8.437262	2.983551	5.438551	5.205223	5.281964	11.120916
## 872113	10.951989	8.495477	3.964285	3.478898	5.531583	5.428855	11.051775
## 872608	12.100802	9.802077	11.432114	10.477257	10.088205	8.927040	8.217142
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## 859464 5.745805 5.280924 5.499856
## 859465 6.339207 6.615004 6.489375 4.291971
## 859471 12.676550 12.892823 13.444560 14.069718 15.003345
## 859487 6.614479 6.677584 6.263776 4.745837 1.829153 15.263312

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## 859575	10.302093	7.024380	6.254619	9.284134	7.518045	16.120267	7.204163
## 859711	9.269523	11.302085	11.613850	10.152578	11.438885	12.859035	11.678684
## 859717	10.851501	5.257807	5.516696	9.533136	10.246702	13.114517	10.219837
## 859983	7.519400	4.417863	4.280758	5.599389	4.953712	13.999954	4.503411
## 8610175	6.273767	5.873117	5.560006	4.589845	2.605759	14.749002	2.357384
## 8610404	8.243215	5.337149	5.051722	7.002792	5.495055	14.434141	5.410497
## 8610629	6.501266	6.960396	6.496496	6.259298	6.483402	14.343974	5.530480
## 8610637	10.148871	7.103834	6.945679	10.587643	10.657322	13.001433	10.331172
## 8610862	15.160895	13.603772	13.177241	16.549631	17.658362	13.923800	17.441371
## 8610908	6.190318	5.033432	4.647920	4.005545	2.852152	14.364944	2.464566
## 861103	6.146094	4.540907	4.538359	1.766804	4.660995	13.939801	4.819937
## 8611161	6.799259	3.443893	3.579221	5.743681	6.479873	11.663824	6.250680
## 8611555	15.612865	10.871512	10.338218	14.867692	14.864758	16.546115	14.636844
## 8611792	10.191005	7.465490	6.591527	9.318559	10.439426	14.368766	10.249221
## 8612080	5.461286	5.158186	4.956348	3.983177	3.562044	14.057127	3.263376
## 8612399	8.408964	5.361325	4.519427	7.958499	7.552136	14.313985	7.147736
## 86135501	5.825153	4.900398	4.375966	5.242191	5.173786	12.812756	5.306549
## 86135502	9.782757	5.629153	4.965626	8.979002	8.098318	14.205259	7.930702
## 861597	5.367939	4.003706	3.917984	3.433845	3.892649	13.240300	4.362634
## 861598	6.303060	4.947132	4.404186	6.522036	6.175323	12.412542	5.550521
## 861648	6.838700	5.726865	5.009642	4.990306	3.379117	15.247169	3.426118
## 861799	6.922384	4.926572	4.217577	5.689816	4.216343	13.265518	4.248982
## 861853	7.701745	7.731938	7.361416	6.626336	3.451078	16.160938	3.530403
## 862009	6.572923	5.297865	4.755604	4.211769	2.741975	14.820887	2.194524
## 862028	8.238935	3.617997	3.495114	6.998841	6.755599	12.270440	6.633306
## 86208	9.275296	6.393129	5.523260	9.177482	8.656685	14.285635	8.476260
## 86211	5.237883	6.348440	5.809894	4.130162	3.530939	14.654467	2.963124
## 862261	6.629997	7.080831	7.119047	2.920443	4.116544	15.447993	4.509725
## 862485	6.498343	6.033195	6.036715	4.838553	3.279531	14.451611	2.895040
## 862548	6.601138	3.265688	2.977085	4.496271	5.132487	13.095727	5.207672
## 862717	7.637498	4.448248	3.980946	4.972946	4.106315	14.500815	4.444066
## 862722	6.354491	7.801269	7.954923	4.128212	6.092546	15.210606	5.877390
## 862965	6.785357	6.683965	6.294836	4.569595	2.932032	15.764834	3.498463
## 862980	5.861206	4.395185	4.680457	2.751681	3.565738	13.297027	3.860362
## 862989	4.057957	6.108559	5.813788	3.452598	3.826329	13.891021	3.773340
## 863030	9.766770	4.986815	5.478104	8.034924	9.561175	11.583777	9.143738
## 863031	6.527320	3.214457	3.565202	2.981327	4.690872	13.082246	4.636761
## 863270	7.087345	6.216520	5.882597	4.916929	3.034259	15.289370	3.169720
## 86355	16.102812	12.494882	12.190003	16.602886	17.058358	14.710209	16.727225
## 864018	7.178729	4.523507	5.002293	3.316874	3.219742	14.100291	3.911673
## 864033	5.099641	6.225587	6.397705	3.130421	4.181683	13.411479	4.413612
## 86408	5.671975	5.319370	5.190185	4.493487	5.325597	12.128791	5.607836
## 86409	9.062319	9.138982	9.034315	10.366933	10.644372	9.064290	10.904541
## 864292	4.999280	5.864848	5.798253	3.564685	5.672878	12.434405	5.739101
## 864496	7.041019	5.495740	6.059982	4.160122	5.356888	13.128048	5.221023
## 864685	6.755061	4.556445	4.672129	3.443781	3.000283	14.384317	3.220903
## 864726	7.223594	8.950640	9.181403	7.032720	6.900308	12.145092	7.345665
## 864729	8.848066	2.906741	3.089744	7.172655	8.001929	12.800077	7.637883
## 864877	10.039236	4.000209	4.480072	8.446957	9.594551	11.716544	9.511246
## 865128	8.019600	8.237094	7.359477	8.902155	7.687697	15.402653	7.401787
## 865137	7.086609	6.232885	6.358095	5.354775	3.879412	14.663672	3.350793
## 86517	8.518514	5.210721	4.490304	7.723311	7.381002	14.053475	6.906067
## 865423	17.116713	15.280327	14.850704	17.820509	18.617581	16.657563	18.333034
## 865432	6.716779	5.729741	5.099768	6.032147	4.944307	13.871407	3.821891

##	865468	6.807421	6.920040	6.727099	5.959800	3.626669	13.964701	4.076344
##	86561	7.317926	6.784154	6.319634	5.385839	2.887378	15.950596	2.461887
##	866083	8.097697	3.992981	3.799331	5.202552	4.843822	14.599874	5.074628
##	866203	8.539955	7.177380	6.381433	8.642296	6.862834	15.129113	6.595096
##	866458	6.704864	5.076720	4.385467	6.379648	6.311388	12.737750	5.730801
##	866674	10.118880	5.747945	4.686385	9.285539	8.994691	13.879229	8.753107
##	866714	5.544402	5.436460	5.281007	4.481933	4.419144	13.903027	3.741916
##	8670	8.288337	3.673149	2.960927	6.409546	5.624533	14.003712	5.110554
##	86730502	7.798150	3.938553	2.936368	6.285897	5.992333	14.325423	5.697122
##	867387	7.084653	5.839283	5.093607	6.279783	4.228253	14.768578	3.365826
##	867739	9.264748	5.025727	4.279276	7.486265	6.474846	15.002964	6.240498
##	868202	6.866264	4.686093	4.549233	3.400554	2.860766	14.497602	3.433752
##	868223	6.916450	6.819548	6.585986	4.442326	4.151915	15.160746	4.105086
##	868682	6.270143	6.304166	5.946979	4.588507	2.565988	14.918773	2.079949
##	868826	8.345304	7.904566	7.614758	9.364951	9.282740	12.698990	9.041502
##	868871	6.249402	6.432225	6.224979	4.945642	4.540478	13.993986	3.961573
##	868999	6.338672	8.275918	8.148560	5.638481	4.332525	15.890434	3.854905
##	869104	7.158924	4.653881	3.993064	6.174496	5.402781	14.053335	5.068385
##	869218	5.643545	5.313691	5.036891	2.453091	3.593066	14.455679	3.336941
##	869224	6.043677	5.275052	4.992656	4.848816	3.473595	14.210145	3.244556
##	869254	6.379514	7.750059	7.573752	5.114788	2.229620	15.510668	2.688712
##	869476	5.747973	6.400188	6.415094	5.528850	6.629407	12.746446	6.266290
##	869691	7.345714	7.811142	7.613692	9.063078	10.390921	11.377571	10.234582
##	86973701	5.013608	6.497510	6.071904	6.099407	6.055512	12.395377	6.224180
##	86973702	7.009001	4.887527	4.454208	5.764082	4.268733	13.604115	3.693087
##	869931	7.481148	7.351925	6.900385	6.243066	3.327149	15.766780	3.247528
##	871001501	5.620087	6.017437	5.336835	5.096540	5.056009	14.547152	4.473138
##	871001502	7.431707	7.249193	8.116515	6.763275	9.475131	10.513567	9.975168
##	8710441	18.183864	19.504419	19.842748	20.125855	21.370518	10.466865	21.572416
##	87106	5.823842	6.976257	6.763156	4.656271	2.768159	15.001083	1.985459
##	8711002	5.679681	4.792505	4.725564	4.745438	4.059144	13.030528	3.803451
##	8711003	5.563571	5.465756	5.195257	4.184912	2.941301	14.264878	2.991189
##	8711202	8.820210	5.407883	4.746083	8.218277	8.046499	13.159694	7.748085
##	8711216	7.353046	7.458854	6.678144	7.163736	5.348757	15.604235	5.363740
##	871122	6.824618	6.877098	6.664058	5.087865	2.787547	15.464307	2.047951
##	871149	6.876901	8.012347	7.914624	5.610346	2.806554	16.197680	2.924798
##	8711561	4.522368	4.778270	4.488115	3.586856	4.649672	12.727251	4.614926
##	8711803	9.585938	8.588606	7.984932	10.258109	8.433592	14.968735	8.114156
##	871201	11.368935	6.828554	6.149085	10.783909	10.362341	14.441632	9.871546
##	8712064	6.236488	4.566209	4.624858	2.700679	3.994638	13.485444	4.382205
##	8712289	11.804023	8.188899	7.451117	11.338328	10.250803	16.076608	9.949564
##	8712291	7.572948	7.316970	6.623265	6.039361	3.241094	16.256148	2.971167
##	87127	7.751258	7.908567	7.911540	5.909499	3.918451	15.715782	3.308177
##	8712729	7.209743	5.523583	4.740742	6.791685	5.417829	14.418695	5.185584
##	8712766	10.825671	6.372866	6.048081	9.524244	9.304886	14.421456	9.269721
##	8712853	7.099544	6.102896	5.353916	5.369803	3.407000	15.649541	2.541661
##	87139402	6.151393	6.263190	5.960322	5.149464	3.420305	14.534691	2.366352
##	87163	7.353599	4.735924	4.506460	4.991105	3.384580	14.783647	3.488563
##	87164	8.773894	5.094789	4.701342	8.032410	8.069938	12.474089	7.317376
##	871641	5.400474	7.866868	7.675474	4.453466	4.212830	14.594343	4.158233
##	871642	5.228272	8.457801	8.062149	5.066088	3.915295	16.163455	3.812736
##	872113	5.928636	8.350931	8.255042	4.832746	3.777387	15.783801	3.756850
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##		859575	859711	859717	859983	8610175	8610404	8610629

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## 85759902
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## 859711    14.028388
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## 859983    6.179572 10.915201 6.792796
## 8610175   6.691446 11.380480 9.023044 3.307357
## 8610404   3.820815 12.130088 7.512218 5.276005 5.352040
## 8610629   8.891857 9.469040 9.825790 5.986430 6.029296 6.584548
## 8610637   7.143945 11.451219 5.302240 7.606454 9.620792 6.922909 8.554452
## 8610862   14.899934 16.884638 12.053773 15.713413 17.157843 14.589148 15.081518
## 8610908   6.540201 11.127146 8.362986 2.937122 1.229360 5.095290 5.635863
## 861103     8.351614 10.339942 8.600639 5.121788 4.475887 6.201979 5.781447
## 8611161    7.611744 10.055996 5.841629 3.420635 5.284859 6.015886 5.841439
## 8611555    9.080160 16.270391 7.579438 11.917197 13.945102 10.417687 13.792150
## 8611792    8.002082 11.404526 7.092405 8.701407 9.809728 7.946732 9.395269
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## 8612399    4.019944 12.688494 6.159398 5.816527 6.603660 3.973792 7.117630
## 86135501   6.182193 11.263975 7.614039 5.589388 4.866230 3.946549 6.273331
## 86135502   4.212775 13.664024 5.298603 5.965211 7.029973 5.259662 8.977677
## 861597     6.885108 10.265324 7.391962 3.796112 3.163801 5.085537 6.190595
## 861598     6.194220 9.982730 6.747866 3.847379 4.839219 4.793669 4.674605
## 861648     5.595806 11.783713 8.415063 4.289730 2.697485 4.881108 6.857652
## 861799     5.324824 11.168813 7.621441 4.352615 4.231923 3.456389 6.211221
## 861853     6.029355 12.727322 10.236550 5.024564 2.937443 5.371645 7.822019
## 862009     6.147472 11.778888 8.754616 3.749692 1.870537 4.605413 5.810849
## 862028     5.484891 10.992385 5.214542 4.286400 5.955945 3.798115 6.566992
## 86208      4.257475 13.187521 5.546500 7.024716 7.740044 5.100718 8.714615
## 86211      7.436370 10.628215 9.765623 4.529238 2.807838 5.804120 5.198097
## 862261     9.369550 9.997690 10.640086 6.046495 4.682289 7.473029 6.727223
## 862485     7.714724 10.810451 9.366309 3.032851 2.452261 6.081924 5.590931
## 862548     6.081361 10.555442 6.162118 3.569385 4.141103 4.386510 6.147221
## 862717     5.164873 12.140522 7.442127 4.352354 3.563561 4.218148 7.426320
## 862722    11.457244 10.175147 11.729944 6.904781 6.111131 9.316260 5.803890
## 862965     7.424990 12.624308 10.082110 5.368222 2.639972 6.227770 7.637304
## 862980     8.282874 10.152847 8.620330 4.052392 3.321078 5.829239 5.415934
## 862989     8.435904 10.216783 9.666286 5.247556 3.474726 6.368288 4.926716
## 863030     9.559392 10.500387 6.093211 5.925566 8.459322 8.323733 7.503244
## 863031     7.675635 10.335289 7.568712 3.840388 4.065593 5.343983 5.475044
## 863270     7.224972 12.295739 9.455656 4.000974 1.721142 6.258164 7.279592
## 86355     12.162514 17.067790 9.546213 14.177644 16.060754 12.624774 14.688587

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## 864018	7.790724	11.079610	8.544782	4.090547	3.553189	5.746893	6.834311
## 864033	9.186807	8.788134	9.858041	5.661374	4.982850	6.618041	5.001333
## 86408	7.860132	8.498204	8.160463	5.353928	5.373183	5.430640	5.832643
## 86409	10.384750	8.944653	8.275535	8.856346	9.920784	9.804717	10.616208
## 864292	9.324233	7.705791	9.054803	5.659057	5.480940	7.049209	5.114235
## 864496	9.756974	9.683603	9.459141	4.511377	4.970530	7.617570	5.853330
## 864685	7.065781	10.457386	8.192454	3.326734	2.481401	5.158210	5.827433
## 864726	10.853621	7.694808	11.396016	8.043783	7.657357	8.286885	7.590040
## 864729	7.040238	11.605145	4.807658	4.578924	6.833431	5.796212	6.620530
## 864877	7.895389	11.325333	3.393300	6.342188	8.639233	6.966442	8.416293
## 865128	6.950857	14.451413	9.747328	8.154686	7.386892	6.876998	8.715248
## 865137	8.122907	11.338259	9.575949	3.405223	2.944088	6.393594	5.731548
## 86517	3.967523	11.945237	6.056277	5.441372	6.531448	3.366320	6.563576
## 865423	15.086994	16.915119	13.512664	17.044930	18.302939	14.536920	15.341130
## 865432	6.453554	11.270958	8.415315	2.856108	3.339583	5.320729	4.804029
## 865468	6.913347	10.932115	9.018748	4.296504	2.958313	5.818042	7.504273
## 86561	6.598098	12.198114	9.687391	4.004667	1.645502	5.764374	6.727098
## 866083	6.213830	12.796113	7.279510	4.223102	3.894354	5.411002	7.827469
## 866203	2.917449	13.306115	7.635054	6.229655	5.939717	3.868478	8.116350
## 866458	6.570213	9.659424	7.182414	4.409112	5.487724	4.669899	4.552802
## 866674	5.167034	13.478345	4.855426	6.619388	7.848635	5.866952	8.886298
## 866714	7.968884	10.151416	8.664563	3.506062	3.417772	6.224093	4.332560
## 8670	4.444984	12.107971	6.197535	3.408969	4.554440	3.318907	5.975863
## 86730502	4.765722	12.474568	6.069693	4.281907	4.653381	4.178942	6.662311
## 867387	5.036840	11.848535	8.263313	3.112631	2.819131	4.077609	5.549092
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## 868202	6.780098	11.627830	8.457846	4.251120	2.827014	5.127866	6.910681
## 868223	7.577628	11.397031	10.054618	5.510417	3.968294	5.975800	6.949354
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## 868826	7.858007	12.201163	9.195756	8.853589	9.266781	6.371859	8.062223
## 868871	8.212691	9.776555	9.812849	4.921758	4.303169	5.627595	4.213437
## 868999	9.757946	11.359560	11.656342	5.783547	4.041000	8.188939	5.990655
## 869104	3.746937	11.357341	6.456529	3.886418	4.394466	2.815392	5.931713
## 869218	7.853476	10.599374	9.108398	4.284693	3.059528	6.057709	5.495309
## 869224	6.785582	11.409795	8.409362	3.066871	2.230579	5.427174	5.876733
## 869254	8.069372	11.538630	10.853052	5.219649	2.499048	6.605264	7.083894
## 869476	9.398875	6.835037	8.733823	5.364109	6.089300	7.526885	4.238557
## 869691	11.330496	12.167106	9.308958	9.096368	9.713746	10.004450	8.779079
## 86973701	7.117020	9.008067	7.589313	5.651871	5.417908	6.182505	7.021397
## 86973702	5.585513	11.164318	7.562636	2.244223	2.850066	4.179918	5.574031
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## 87106	8.356127	11.193874	10.704725	4.863208	2.984029	6.233066	4.812928
## 8711002	7.146811	10.594095	8.021488	3.712351	3.617168	5.143777	5.033113
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## 8711202	4.894231	11.162311	5.551044	6.032536	7.240957	3.991171	6.942393
## 8711216	5.096826	13.104540	9.045007	5.999605	4.370427	5.054926	8.162592
## 871122	7.656974	11.522131	10.150065	3.826427	1.839966	6.238764	5.927504
## 871149	8.334613	11.866000	11.186320	5.228916	2.920387	6.986673	7.072241
## 8711561	7.581487	9.717421	8.229659	5.164945	4.550883	5.344060	4.775169
## 8711803	4.626036	12.951063	8.947692	7.841877	8.229246	4.447209	8.465397
## 871201	5.149182	14.325071	5.293996	7.366962	9.135082	6.382935	9.453024

## 8712064	7.653000	9.317092	8.000162	4.370349	4.078131	5.502976	5.879941
## 8712289	4.102058	14.966513	6.571666	8.113060	9.296276	6.347948	10.594459
## 8712291	6.316966	13.054057	10.032136	5.102980	2.712032	5.851496	7.581138
## 87127	8.989211	11.316310	11.227951	4.794570	3.826495	7.297456	6.179750
## 8712729	3.356379	11.939686	7.070449	4.707732	4.537184	2.724788	6.637659
## 8712766	4.627005	12.710927	5.369044	7.132107	8.516557	5.413495	9.599005
## 8712853	5.734687	12.148494	9.032408	3.756609	1.952477	4.685752	5.843103
## 87139402	7.486572	11.090446	9.819856	4.024080	2.827747	5.347642	4.206760
## 87163	4.957126	12.216278	7.936720	3.814089	2.772380	3.651205	6.787509
## 87164	6.951571	11.305911	6.157122	4.345719	6.708057	6.189653	6.074455
## 871641	9.452684	9.439458	11.244392	6.486049	5.201257	6.998297	5.271913
## 871642	9.284221	12.038939	11.812401	6.839549	4.363742	7.566112	6.283481
## 872113	10.053173	10.736047	11.889274	6.207526	4.303567	8.252218	6.125681
## 872608	12.768267	5.252211	10.560057	10.183529	10.587627	10.906044	9.772732
##	8610637	8610862	8610908	861103	8611161	8611555	8611792
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## 861103 9.774870 15.813495 3.752406
## 8611161 6.513859 13.356887 4.613782 5.281517
## 8611555 7.700994 11.706414 13.428914 13.639559 11.468969
## 8611792 7.410914 11.693380 9.121236 8.375305 7.973068 8.084637
## 8612080 9.280818 16.086503 1.987322 3.810020 4.540198 14.077983 9.794264
## 8612399 5.537927 12.375399 6.096690 6.905270 5.763468 9.009756 6.721670
## 86135501 7.928280 13.774449 4.382681 4.460876 5.114715 11.557177 7.135898
## 86135502 6.339704 13.031555 6.592995 8.092808 6.027019 8.928775 7.944362
## 861597 8.454482 15.177481 2.642824 3.191324 4.049306 12.689460 8.063399
## 861598 5.618005 13.223268 4.356194 5.931856 3.338375 11.198378 7.570118
## 861648 9.262437 16.285309 2.402582 4.632662 5.983590 12.912831 8.590776
## 861799 7.786200 14.459131 3.834493 5.217676 4.792843 11.355592 7.666038
## 861853 10.492877 18.367103 3.753508 6.483998 7.365116 14.076685 10.501503
## 862009 9.349302 16.409053 1.350120 3.834829 5.287321 13.335391 8.933496

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## 862028	5.442937	12.934146	5.425061	6.153146	3.470148	9.171040	6.832849
## 86208	5.579102	11.774688	7.241949	8.138654	6.753935	8.028105	6.499464
## 86211	9.721278	16.576983	2.718303	4.054561	5.799553	14.221104	9.107487
## 862261	11.522404	18.223192	4.495276	3.420836	7.268551	15.463973	9.818186
## 862485	9.559367	17.209850	2.626410	4.977267	4.936647	14.407633	10.498241
## 862548	7.457060	14.414438	3.536730	3.588328	3.535862	10.958413	6.714719
## 862717	8.885569	15.740511	3.147664	4.296586	5.550982	11.925381	8.050086
## 862722	11.979264	17.888356	5.803814	4.787962	7.250662	17.138835	11.776445
## 862965	11.201472	17.955453	2.981019	4.597057	6.915207	14.808236	10.352924
## 862980	9.530791	16.242116	2.851164	2.877817	4.328797	14.001167	9.434991
## 862989	9.804622	15.962932	3.148737	3.527326	5.606964	14.765279	9.654476
## 863030	6.968223	13.151551	7.750621	7.346760	4.354883	10.968374	8.311271
## 863031	8.612394	15.301650	3.290664	2.423454	3.679609	12.798103	8.150229
## 863270	10.524706	17.731767	2.134786	4.957697	5.872713	14.516676	10.523006
## 86355	7.948389	7.693657	15.468324	15.471387	12.580387	6.644059	10.440182
## 864018	9.938362	16.839320	3.132979	3.428879	5.122853	13.894680	9.781381
## 864033	9.813446	15.957535	4.531831	3.692733	5.742210	14.735192	9.395283
## 86408	8.281569	14.591690	4.929030	4.194710	4.898577	12.213503	7.047033
## 86409	8.401040	13.090302	9.620671	9.934144	7.644327	11.243718	8.268790
## 864292	9.239960	15.218984	4.950451	3.462003	5.201674	13.815227	8.190939
## 864496	9.997664	16.826536	4.583723	4.592470	4.759107	15.034264	10.609264
## 864685	9.266282	16.748973	2.007807	3.282450	4.904165	13.465410	9.146742
## 864726	10.837329	17.015156	7.578525	7.367208	7.963463	15.246065	10.682042
## 864729	5.611017	12.511367	6.098559	6.266138	3.098335	9.762348	7.622203
## 864877	5.465043	11.570762	7.906313	7.436747	4.721854	8.330261	6.945121
## 865128	9.061681	13.506243	7.030403	8.556043	8.009548	13.167623	9.939664
## 865137	9.822265	17.573619	3.126004	5.498130	5.084896	14.757853	11.106531
## 86517	5.258442	12.688297	6.016217	6.578662	5.560521	8.498582	5.993353
## 865423	11.334662	9.512115	17.662476	16.713194	15.464972	10.422952	11.570739
## 865432	7.978615	15.457131	3.115980	5.542696	4.131814	12.708560	9.070551
## 865468	9.848702	17.439191	3.493562	5.852495	5.953091	13.495921	9.717012
## 86561	10.382990	17.984652	2.213691	5.185935	6.478479	14.263144	10.368296
## 866083	9.229264	15.868326	3.402675	4.680641	5.086201	12.555888	9.158482
## 866203	7.255873	14.482576	5.865340	7.759173	7.176077	10.152883	8.048377
## 866458	6.002697	13.237802	4.904359	5.769418	3.813410	10.828910	6.823942
## 866674	6.257976	12.099545	7.326297	8.100573	6.205270	7.464614	6.701968
## 866714	8.538764	15.612390	2.907196	4.584798	4.032445	14.037572	9.585363
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## 86730502	7.074185	13.903213	4.033613	5.242154	4.582800	10.547418	7.630241
## 867387	8.010615	15.823449	2.852463	5.772292	4.904805	12.185415	8.887964
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## 868202	9.852682	16.602161	2.393799	3.201061	5.431334	13.427657	9.000711
## 868223	10.642493	17.653218	3.941106	4.185175	6.945271	14.101742	8.878579
## 868682	10.208852	17.504605	1.766626	4.678476	5.564854	14.660562	10.358334
## 868826	6.484691	10.629697	8.717774	8.871098	7.802236	11.278330	8.005303
## 868871	9.269148	16.545157	4.147626	4.880115	5.500373	13.975616	9.317684
## 868999	11.568555	18.615331	4.338335	6.119986	7.246073	16.892333	12.411386
## 869104	6.251433	13.948825	3.938127	5.153634	4.810798	10.193542	6.951100
## 869218	9.778944	16.359699	2.398693	2.425553	5.184257	14.095820	8.730341
## 869224	8.759582	15.948092	2.012112	4.797080	4.272901	13.582159	9.777747
## 869254	11.260166	18.622562	3.225735	5.451107	7.103443	15.545216	11.065951
## 869476	8.036238	14.691014	5.551098	5.511801	4.967292	13.750277	8.811972
## 869691	8.526617	10.332587	9.061961	9.003681	6.505129	14.050559	10.277639
## 86973701	7.623528	13.916415	5.049005	5.794639	5.444110	11.964511	6.789674

##	86973702	7.682831	15.498048	2.699418	5.307534	3.730331	11.966629	8.617165
##	869931	10.438277	18.121387	2.895077	6.146646	6.789873	14.266307	10.555931
##	871001501	9.277149	15.019121	4.047021	4.674713	5.986469	14.059247	9.523302
##	871001502	10.376307	15.002151	8.611160	6.863406	6.654944	14.811467	10.228352
##	8710441	18.168508	18.272886	20.769340	19.892227	18.524806	20.546953	18.254825
##	87106	10.440805	17.421711	3.137770	4.968650	6.106051	15.471076	11.053430
##	8711002	7.997940	14.787275	3.081227	4.647735	3.656158	13.188628	9.280785
##	8711003	9.443162	16.492477	1.678932	4.140951	4.887064	14.030193	9.847751
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##	871122	10.429442	18.141411	2.434404	5.239583	6.056098	14.980883	10.853721
##	871149	11.363171	19.000501	3.620911	6.037459	7.331706	16.009500	11.807650
##	8711561	8.136767	13.870963	3.759858	3.271255	4.611472	13.062370	7.761362
##	8711803	6.300023	13.516688	8.070247	9.628465	8.296667	9.785780	8.345712
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##	8712064	9.096015	15.824974	3.441060	2.410024	4.883056	12.928576	7.782523
##	8712289	6.426105	13.212205	8.974056	10.373647	8.530275	7.179533	8.052005
##	8712291	10.721632	17.814800	3.027778	5.906243	7.146244	14.284694	10.248831
##	87127	11.240524	19.049883	4.227820	6.185691	6.902734	15.879070	11.909185
##	8712729	6.768850	14.252319	4.305831	6.002756	5.552292	10.406564	7.148903
##	8712766	5.847833	13.062151	8.055979	8.402917	7.454045	6.770638	5.824587
##	8712853	9.400401	16.918925	2.061799	4.872405	5.827348	13.195688	9.221782
##	87139402	9.353762	16.696694	2.895394	5.113839	5.221452	14.355325	10.339762
##	87163	8.762820	16.121733	2.544024	4.447073	5.427681	12.426435	8.815106
##	87164	5.647310	12.935776	6.187563	7.175828	3.520808	10.085780	7.953631
##	871641	10.917795	17.248291	5.112757	4.920176	7.086967	15.417648	9.921586
##	871642	11.799233	17.874192	4.534937	5.370539	7.885337	16.468830	11.383572
##	872113	11.954911	18.667647	4.524414	5.556276	7.534355	17.030219	12.084571
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##		8612080	8612399	86135501	86135502	861597	861598	861648
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##	8612399	6.182240							
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##	86135502	6.926302	3.359156	5.830248					
##	861597	2.884761	5.670708	3.317072	6.159015				
##	861598	4.519093	4.684163	4.548155	5.720474	4.443761			
##	861648	3.701456	5.808956	4.351350	6.056034	3.129538	5.210891		
##	861799	4.655071	5.030907	3.344213	5.367464	3.555265	4.203183	3.583543	
##	861853	4.874403	7.236721	5.886645	7.658118	5.123196	6.467930	3.692288	
##	862009	2.566193	5.918898	4.019595	6.684540	3.191126	4.762572	2.313273	
##	862028	5.895235	4.535941	4.371463	4.875009	4.813946	3.698205	5.948351	
##	86208	7.506840	2.614841	5.297292	2.972542	6.581465	5.779661	6.436821	
##	86211	3.354630	6.814579	4.740722	8.024339	3.570038	4.807030	3.437543	
##	862261	5.197259	8.904721	6.456004	9.965304	4.803653	7.437030	5.121737	
##	862485	3.047147	7.280677	6.131202	7.831008	4.163796	5.036963	4.473421	
##	862548	3.972596	4.720695	2.968530	5.492833	2.262293	4.157246	4.065301	
##	862717	4.205461	5.314480	3.793315	5.320243	3.005647	5.410504	2.405726	
##	862722	5.319141	9.996864	8.141635	11.285539	6.361214	7.713058	7.346567	
##	862965	3.422854	7.337017	5.077559	7.668104	3.604496	6.771612	2.837642	
##	862980	2.783027	7.212895	4.542135	7.857984	2.624264	5.050659	4.430225	
##	862989	2.652930	7.126347	4.516981	8.248851	3.299946	5.003084	4.033229	
##	863030	7.848391	7.601514	8.026787	8.022643	7.240139	6.002250	9.056248	
##	863031	3.452725	6.299353	4.143525	7.263191	2.879266	4.652584	4.759284	
##	863270	2.924826	7.273109	5.660541	7.213343	3.652562	5.983617	2.976100	
##	86355	15.540765	10.758220	13.077329	11.153922	14.625418	12.112540	15.414448	
##	864018	3.599082	7.250546	5.349967	7.503769	3.279650	6.131770	4.179410	
##	864033	4.696107	8.055440	5.626249	9.332935	4.521816	5.853190	5.588028	
##	86408	5.478005	6.774655	3.935251	7.886678	3.734748	4.901092	5.373533	
##	86409	10.109449	9.465994	8.454760	9.292151	8.444160	7.794202	9.817283	
##	864292	5.173810	7.886973	5.265398	9.115643	4.181030	5.368128	5.859021	
##	864496	4.626529	8.673638	7.099369	9.299136	4.982868	5.861932	6.460008	
##	864685	3.005862	6.743223	4.841015	7.187205	2.722444	5.027999	3.072826	
##	864726	8.125285	10.517501	7.715733	11.433144	7.353887	7.677069	8.313056	
##	864729	5.983865	4.811077	5.877060	5.384634	5.547137	4.458480	7.082522	
##	864877	8.036185	5.924719	6.898674	5.899388	6.786093	6.066084	8.427789	
##	865128	6.670862	5.316334	6.198961	5.848013	7.044184	6.858008	6.382476	
##	865137	3.146944	7.626700	6.533290	8.116145	4.781657	5.334354	5.167971	
##	86517	6.393227	1.951833	4.523500	4.414031	5.718580	4.433590	5.932586	
##	865423	17.685341	13.392058	14.662678	14.863267	16.749512	14.683116	17.490199	
##	865432	3.484540	5.578666	5.271640	6.512030	4.538574	3.217706	4.693559	
##	865468	4.553433	7.405601	5.302863	7.367070	4.118635	5.759460	3.908528	
##	86561	3.384327	7.030570	5.763384	7.366906	4.244169	5.893458	2.645207	
##	866083	3.776579	5.730799	4.838855	5.180363	3.315243	5.787214	3.468549	
##	866203	6.391345	3.593456	4.782040	4.291653	6.013163	5.412833	4.934855	
##	866458	5.365329	5.273916	4.438427	6.574660	4.761733	2.437448	5.615803	
##	866674	7.646685	3.962485	5.807856	3.074368	6.677428	5.993004	6.852375	
##	866714	2.575633	6.558069	5.563054	7.488110	3.922593	3.900057	4.694089	
##	8670	4.518268	3.674871	4.266314	4.187998	4.314263	3.724504	4.431801	
##	86730502	4.160524	3.294111	3.759012	3.668284	3.839882	4.233627	3.948612	

## 867387	3.581584	4.923854	4.623512	5.638873	4.178873	3.720164	3.549008
## 867739	5.861885	2.949498	4.710320	3.190531	5.277094	5.496128	4.599611
## 868202	3.146572	6.332951	4.184179	6.641590	2.422959	5.810761	2.649563
## 868223	4.968467	7.597104	5.104676	8.849905	4.644835	6.489839	4.479443
## 868682	2.391992	7.247699	5.260745	7.763235	3.721628	5.182466	3.397441
## 868826	8.813509	6.255901	6.578912	8.128923	8.198926	6.207028	8.704657
## 868871	4.600611	7.622210	5.247414	8.962389	4.904161	4.728839	5.520226
## 868999	3.963415	9.058634	7.714314	9.827843	5.880719	6.825881	5.718464
## 869104	4.584029	2.871868	3.640869	4.435025	3.979153	3.566804	3.832412
## 869218	2.983733	6.925449	4.651343	8.077104	3.148576	5.248209	3.686299
## 869224	2.047661	5.974214	4.949048	6.286380	3.198029	4.343110	3.464039
## 869254	4.005752	8.363267	6.115543	8.905479	4.723323	6.649954	3.966366
## 869476	5.608912	7.796532	6.840321	9.002720	5.443216	4.587721	6.657669
## 869691	8.109869	8.198626	8.029751	8.810144	8.000249	7.119301	9.787133
## 86973701	5.498955	5.889511	4.345762	6.676444	4.098333	4.674410	4.839891
## 86973702	3.536262	5.329086	4.459442	5.715567	3.655676	3.224101	3.926301
## 869931	4.146599	7.349315	6.036096	7.275268	4.631752	6.088722	2.860796
## 871001501	3.346298	6.014998	4.349938	7.381357	4.315935	4.778439	4.441657
## 871001502	8.170717	10.314503	8.438116	10.784923	6.975971	8.426756	9.634126
## 8710441	20.643601	19.977912	18.830584	20.575630	19.447625	18.521405	21.323511
## 87106	2.944107	7.689938	5.891010	8.700628	4.706903	5.557217	4.648961
## 8711002	2.599044	5.552523	4.534204	6.223226	3.483961	3.881101	4.483169
## 8711003	1.512631	6.331047	4.575023	6.739429	2.504732	4.743672	2.910604
## 8711202	7.282594	4.012070	4.817337	5.351202	6.176961	4.345646	6.541202
## 8711216	5.231045	5.624862	4.348390	6.203233	4.908204	6.113960	3.520158
## 871122	3.111278	7.608852	6.217378	8.202249	4.521373	5.656632	4.015153
## 871149	4.084777	8.478706	6.991732	9.029255	5.272532	6.906242	4.552783
## 8711561	3.640619	5.758323	3.391595	7.163525	3.151348	4.093881	4.396185
## 8711803	8.715754	5.294740	6.640729	6.591456	8.089390	6.130274	7.501044
## 871201	8.948550	4.020968	7.454540	3.960067	8.415922	6.554732	8.594246
## 8712064	4.269404	6.873837	4.330047	7.682131	2.813057	5.361975	4.032326
## 8712289	9.506271	4.403311	7.854197	3.799864	8.696330	7.651384	8.152683
## 8712291	4.063659	6.922742	5.569557	7.060909	4.657799	6.380097	2.371584
## 87127	4.815384	9.097209	7.703933	9.802160	6.107165	6.726796	5.863603
## 8712729	4.909338	3.015211	3.328218	4.251982	4.202811	4.015403	3.673528
## 8712766	8.979854	5.203769	6.758701	5.601370	7.494130	6.748323	7.484925
## 8712853	3.150536	5.893031	4.650380	6.662171	3.914876	4.865513	2.496053
## 87139402	2.780311	6.756406	5.319997	7.798520	4.420200	4.401706	4.567232
## 87163	3.398067	5.016072	4.022219	5.488271	3.249861	5.068092	2.619116
## 87164	6.352540	5.301089	6.535342	5.918794	6.360231	3.768933	7.352687
## 871641	5.448883	8.701530	6.019198	10.139889	5.449673	6.690470	5.898459
## 871642	4.204133	8.545393	6.289512	9.775311	5.557635	7.215401	5.053638
## 872113	4.481249	9.478740	7.555524	10.329461	5.716551	7.269983	5.618968
## 872608	10.267900	11.083766	9.108195	11.988327	8.785785	8.931183	10.688207
##	861799	861853	862009	862028	86208	86211	862261
## 842517							
## 84300903							
## 84348301							
## 84358402							
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## 861853      5.075116
## 862009      3.659889      3.488153
## 862028      3.709367      7.024696      5.534167
## 86208       5.759428      8.173723      7.104723      5.290360
## 86211       4.545555      4.387703      2.832833      6.470479      8.179549
## 862261      6.405736      5.899717      4.589024      8.052029      10.048326      4.150097
## 862485      4.993532      4.362474      3.414740      6.204119      8.738858      3.743146      4.980755
## 862548      3.452270      5.648095      3.712977      3.447103      5.682649      4.541579      5.657925
## 862717      3.386908      4.423178      2.903749      4.908806      5.971775      4.507310      5.556137
## 862722      8.217082      8.304461      6.289297      9.233030      11.549835      5.414416      4.575488
## 862965      5.052122      3.559093      2.857522      7.349539      8.257708      3.840199      4.801219
## 862980      4.453983      5.679001      3.389247      5.408825      8.450065      3.681611      4.276389
## 862989      5.063135      5.684549      3.533587      6.768717      8.265018      2.603677      4.427933
## 863030      7.772336      10.380912      8.344755      5.475448      8.754200      8.501743      9.254151
## 863031      4.486500      6.167215      3.507004      4.582916      7.673207      4.107358      4.647355
## 863270      4.857838      3.488589      2.635054      6.731089      8.252930      3.907149      5.222980
## 86355       13.597278      16.741028      15.450517      10.971847      10.012370      16.036608      17.773152
## 864018      4.615400      5.329937      3.478845      5.849307      8.380792      4.717133      4.231934
## 864033      5.365776      6.644769      4.725922      6.744082      9.274106      4.252183      3.487269
## 86408       3.850282      6.611727      5.044895      4.727772      7.616356      4.543549      5.151465
## 86409       8.440815      10.734774      10.166001      7.605947      9.005931      9.884799      10.845261
## 864292      5.490843      7.420742      5.375226      6.267909      8.919535      4.207485      4.290922
## 864496      6.318754      7.296813      5.323870      6.666477      10.173803      5.068289      5.139404
## 864685      4.144293      4.588065      2.548719      5.432450      7.816411      3.501802      3.865359
## 864726      7.002182      8.423427      7.771862      8.013462      11.204541      7.182850      6.688098
## 864729      5.814373      8.574615      6.452339      3.348412      6.101523      7.320379      8.754859

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## 864877	6.904212	10.194852	8.293796	4.146366	6.341997	8.973649	9.843065
## 865128	6.561083	7.939869	6.765328	8.062365	5.597279	7.664229	9.978677
## 865137	5.599966	4.827647	3.796785	6.452229	9.121820	4.517645	5.699234
## 86517	4.743036	7.038127	5.772329	3.788350	3.561486	6.539104	8.367411
## 865423	15.547713	18.900460	17.432582	13.799210	12.808669	17.729696	18.587161
## 865432	4.469823	4.936335	3.512668	5.017896	7.199668	3.747040	6.504279
## 865468	4.389186	3.110854	3.850627	6.074645	7.931795	4.603768	5.548415
## 86561	4.826278	2.662383	2.389638	6.880111	8.095807	3.496328	4.974559
## 866083	4.460135	5.481905	3.574230	5.377802	6.506039	5.366928	6.466439
## 866203	4.951689	5.509883	5.516940	5.647315	3.510642	6.588010	8.890964
## 866458	3.826020	6.833576	5.042880	3.377442	6.365764	4.934246	7.220203
## 866674	5.769438	8.682246	7.349104	4.643548	3.182369	8.483124	10.314887
## 866714	5.100258	5.811364	3.654261	5.961753	8.005876	3.761767	5.396188
## 8670	3.521977	5.734131	3.955400	2.993556	5.065383	5.345371	7.273701
## 86730502	4.099667	6.019138	4.034578	4.110706	4.172834	5.474954	7.507019
## 867387	3.465308	3.600460	2.872285	4.771726	6.271685	3.873018	6.562083
## 867739	4.350363	5.947149	4.861600	4.453877	3.602232	6.592036	8.068562
## 868202	3.815092	4.381557	2.339255	5.756124	7.336962	3.886783	4.233968
## 868223	5.551291	4.228590	3.443300	6.935959	8.769676	3.497753	3.506120
## 868682	4.595102	3.386769	2.146366	6.418285	8.490131	2.803082	4.777841
## 868826	7.073709	9.808909	8.427282	6.726285	6.947155	8.360014	10.304336
## 868871	4.849833	5.616085	4.117674	5.762493	8.993580	3.614421	5.050863
## 868999	7.157251	5.802149	4.965721	8.853702	10.485340	4.509287	5.475175
## 869104	3.567009	5.058759	3.833655	3.733552	4.203720	4.696495	6.631749
## 869218	4.881754	5.043693	2.451371	6.283328	8.228974	2.513399	3.121476
## 869224	4.168167	4.360531	2.770988	5.534430	7.198046	3.832897	5.714499
## 869254	5.552828	2.843293	3.341964	7.698229	9.350564	3.787503	4.248305
## 869476	6.381088	8.142430	6.266631	6.611673	8.938047	5.294840	6.020754
## 869691	8.799189	11.711366	9.495939	8.377777	8.812563	9.337924	11.241281
## 86973701	4.911351	6.320887	5.369110	5.885120	6.000710	5.174947	6.462799
## 86973702	3.096112	4.201738	3.018339	3.755186	6.588064	3.963732	6.300525
## 869931	4.982992	2.185023	3.134377	7.061686	8.066592	4.155935	5.722506
## 871001501	5.007925	6.437327	3.971876	6.564765	7.358604	3.611036	6.381129
## 871001502	9.162177	11.269040	9.422169	8.561805	10.881988	8.944910	8.161009
## 8710441	19.686776	22.085742	21.164742	18.674857	19.911705	20.320528	20.861103
## 87106	5.190523	4.696691	3.327879	7.118844	9.214126	3.257988	4.840804
## 8711002	4.010752	5.627544	3.575605	5.006586	6.903102	4.454908	5.951833
## 8711003	4.200587	4.102605	2.519449	5.968480	7.491144	3.034504	4.991247
## 8711202	4.920307	7.865034	6.552349	3.200101	4.223221	7.164182	8.843097
## 8711216	4.953548	3.762391	4.175275	6.656523	5.839120	5.106345	7.143822
## 871122	5.271673	3.403643	2.896382	6.982434	8.994349	3.385202	4.741522
## 871149	6.209557	3.428579	3.947642	8.191921	9.715936	4.319969	4.890126
## 8711561	4.266301	6.432779	3.863255	5.365361	6.868431	3.707330	4.974682
## 8711803	5.914408	7.597554	7.707560	6.142496	5.601702	8.117819	10.410965
## 871201	7.358295	9.641789	8.626872	5.326007	4.096247	9.707900	11.652621
## 8712064	4.068169	5.739643	3.643029	5.295060	7.778252	3.965263	3.221274
## 8712289	7.349767	9.155118	8.825143	6.731364	3.512344	10.022697	11.895612
## 8712291	4.744826	2.781484	2.681389	7.286936	7.693518	4.139313	5.792745
## 87127	6.465690	4.823835	4.600752	7.834410	10.582222	4.699836	5.124791
## 8712729	3.319764	4.665265	3.993757	4.242320	3.866715	4.942678	7.251793
## 8712766	6.653244	8.585211	7.924697	5.040585	4.923340	8.747505	9.787855
## 8712853	4.009705	2.994188	1.652450	5.846440	7.087227	3.036254	5.356272
## 87139402	4.518515	4.589255	3.113288	5.978463	8.393008	3.187459	5.594644
## 87163	3.585091	3.498927	2.166610	5.014812	6.210976	4.151239	5.461225

## 87164	5.869838	8.195528	6.595120	3.845241	6.669764	7.002869	8.949420
## 871641	5.659493	6.143325	5.020410	7.677324	9.952119	4.016559	3.763992
## 871642	6.635195	5.409889	4.420316	8.844213	9.681239	4.092680	4.802603
## 872113	6.943554	5.867963	5.004986	8.953464	10.773706	4.310652	4.230624
## 872608	9.706745	11.874479	10.611243	9.479458	11.300115	9.796379	9.397831
##	862485	862548	862717	862722	862965	862980	862989
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## 862009
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## 86208
## 86211
## 862261
## 862485
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## 862717      5.132344  3.247410
## 862722      5.212681  7.407102  7.951743
## 862965      4.501398  4.878645  3.452384  6.891724

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## 862980	3.504300	3.584132	4.263195	4.951764	4.229120		
## 862989	4.210920	4.786005	4.945598	4.545068	4.102390	3.103577	
## 863030	7.739242	6.213550	8.195457	8.928555	10.070892	7.065359	8.587161
## 863031	4.291648	2.677339	4.080643	5.591293	5.022157	2.132910	4.098625
## 863270	3.105891	4.824398	3.689403	6.562301	2.223341	3.932764	4.311939
## 86355	16.312225	13.195375	14.433782	18.268506	17.194815	15.677325	16.014910
## 864018	3.405555	4.126600	3.803699	5.676663	4.034769	2.658335	4.520038
## 864033	4.498207	5.348855	5.972835	4.117566	5.941308	3.682629	3.722466
## 86408	5.749932	3.542171	5.143916	7.102710	6.218448	4.101795	4.832339
## 86409	10.124488	8.016140	9.464672	12.169059	11.025019	9.510368	9.902005
## 864292	5.518992	4.639300	6.062106	5.048223	6.441867	3.807063	3.840456
## 864496	3.597497	5.649367	6.471173	4.111937	6.516538	3.384246	4.958528
## 864685	3.093771	3.599278	3.318129	5.603180	3.640782	2.261329	3.579891
## 864726	7.352870	7.691423	8.504041	8.064223	8.817904	6.660551	7.140458
## 864729	6.585519	4.333019	6.156827	8.743517	8.179925	5.882585	7.242106
## 864877	8.541967	5.452200	7.202816	10.400187	9.780678	7.437228	8.820286
## 865128	8.243092	7.523213	6.914481	10.521205	7.397201	8.566791	7.348824
## 865137	1.341092	5.428571	5.704374	5.534491	4.974832	3.807096	4.781522
## 86517	7.048110	4.328896	5.337357	9.746850	7.553115	6.912171	7.156497
## 865423	18.549594	15.374629	16.784649	19.292758	19.173888	17.513127	17.443248
## 865432	3.129208	4.449620	5.145380	6.684512	5.480554	4.558204	4.728535
## 865468	4.017750	4.620383	4.388011	7.912493	4.047533	4.692500	5.271578
## 86561	3.118799	5.076200	3.952990	6.688365	2.695145	4.484431	4.371514
## 866083	4.985076	3.777640	2.511962	7.805552	3.848958	4.314643	5.327287
## 866203	7.305576	5.522363	5.002764	10.795212	6.535387	7.645471	7.175185
## 866458	5.624653	4.010608	5.703109	7.940309	7.180142	5.061003	5.480890
## 866674	8.734406	5.468658	5.917547	11.614335	8.445870	8.138100	8.602934
## 866714	2.678154	4.711718	5.529752	4.740443	5.282565	3.608397	3.494753
## 8670	5.091595	3.391259	3.576834	8.364748	5.808735	4.851857	5.816273
## 86730502	5.786123	3.276445	3.359921	8.543299	5.249272	5.172729	5.446321
## 867387	3.564727	4.080042	4.192987	7.718558	4.583478	4.783902	4.950921
## 867739	6.602358	4.322738	3.684276	9.907004	6.152995	6.633763	7.117284
## 868202	4.011091	3.372024	2.269368	6.450151	2.441918	3.040605	4.044765
## 868223	5.107410	4.766293	4.540420	6.639225	4.284477	4.636251	4.818212
## 868682	2.458156	4.740879	4.231863	5.758647	2.888084	3.280329	3.428910
## 868826	9.485011	7.862995	8.367700	10.888751	10.255873	8.995803	8.440492
## 868871	4.372524	4.958434	5.900563	5.974865	5.944189	3.808862	4.366029
## 868999	3.278282	7.278965	7.003750	4.348089	5.205257	5.101545	4.162069
## 869104	5.187637	3.278621	3.506621	8.180782	5.526684	5.282748	5.280385
## 869218	3.701628	3.885861	4.163595	4.540749	3.777714	2.877364	2.883987
## 869224	2.335113	4.206711	4.167026	6.086602	3.818356	3.621728	3.797744
## 869254	3.381656	5.882549	5.030919	6.226875	3.182719	4.540639	4.283894
## 869476	5.281957	5.886136	7.324812	5.309760	7.822508	5.170840	4.933586
## 869691	9.540518	8.347742	9.722694	9.827988	10.479863	8.743813	8.261207
## 86973701	6.224207	4.399259	5.397794	8.258025	6.198751	5.882987	5.207463
## 86973702	3.231822	3.389952	3.987104	7.405654	4.891348	3.950012	4.904468
## 869931	3.750571	5.526745	4.169061	7.692894	3.129843	5.214380	5.043942
## 871001501	5.418166	5.199308	5.135923	6.201516	4.990041	4.457085	2.767020
## 871001502	8.693444	7.302095	9.261881	7.813324	9.812891	6.893504	7.765283
## 8710441	20.986816	19.120709	20.803884	21.163792	21.979636	19.770326	19.944605
## 87106	2.531259	5.776958	5.648432	4.715681	4.353910	3.762761	3.316224
## 8711002	3.128593	4.157418	4.773789	5.967578	5.070200	3.641122	3.984484
## 8711003	2.711678	3.996737	3.714736	5.751236	2.693182	2.971780	2.819757
## 8711202	7.872696	4.774983	5.828929	10.374427	8.431222	7.159096	7.564246

## 8711216	6.364742	5.032159	4.128178	9.484057	4.199689	6.498813	5.752661
## 871122	1.783104	5.400052	5.034163	5.642549	3.683999	3.999516	4.216090
## 871149	2.916987	6.517448	5.729014	6.032765	3.803572	5.029172	4.776611
## 8711561	5.040163	3.905895	4.529569	5.583949	5.297927	3.573792	2.754071
## 8711803	8.772659	7.474707	7.540567	12.101339	9.328639	9.233090	8.995268
## 871201	9.557073	7.013738	7.641969	12.601574	10.212096	9.634881	10.140638
## 8712064	4.529418	3.112740	3.911751	5.738389	4.724834	2.833827	4.004694
## 8712289	10.039567	7.619415	7.752079	13.585969	9.968628	10.450511	10.656413
## 8712291	4.459685	5.514517	3.883504	7.827394	2.591209	5.401023	4.965818
## 87127	2.443474	6.768834	6.660452	5.447729	5.598093	4.877089	5.471573
## 8712729	5.794033	3.689806	3.631426	9.130359	5.313627	5.821905	5.657567
## 8712766	9.246616	6.194246	6.275104	11.950540	9.348617	8.786887	9.409895
## 8712853	3.634402	4.197721	3.571075	7.001679	3.174590	4.291947	4.176724
## 87139402	2.509444	5.047545	5.317603	5.616371	4.696814	3.602283	3.685371
## 87163	4.039006	3.541768	1.961820	7.415687	3.254793	4.104949	4.701522
## 87164	6.200385	5.274809	6.808331	8.857945	8.600978	6.558106	7.463488
## 871641	5.112243	6.080228	6.686070	5.316499	5.951620	4.803425	4.443193
## 871642	4.979863	6.840862	6.354075	5.156102	4.352640	5.355649	3.399547
## 872113	3.754833	7.207187	6.836844	3.741197	5.065046	4.838665	3.879736
## 872608	10.449868	8.834677	10.615626	10.271481	11.481171	9.188557	9.350923
##	863030	863031	863270	86355	864018	864033	86408
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##	863030								
##	863031	5.909858							
##	863270	9.139576	4.754837						
##	86355	11.750453	14.469994	16.799542					
##	864018	7.708468	3.190719	3.501789	16.088569				
##	864033	8.035270	4.080522	5.840550	16.139284	4.198332			
##	86408	7.118136	3.828859	6.325620	14.073751	5.140820	3.996905		
##	86409	8.489608	9.261528	10.570897	12.215119	10.156726	9.771172	7.303150	
##	864292	7.075002	3.866740	6.391755	15.221174	5.242007	3.159180	2.760881	
##	864496	6.350022	3.727431	5.432926	16.380091	3.918822	4.058226	5.585005	
##	864685	7.581272	2.910136	3.122872	15.706317	2.164327	4.100905	4.586468	
##	864726	9.787965	7.149788	8.617410	16.671093	7.366710	5.020815	4.817092	
##	864729	3.859660	4.739047	7.386658	10.952013	6.318595	7.478322	6.442673	
##	864877	3.852941	6.281814	9.177080	9.619722	7.639880	8.674219	6.965163	
##	865128	11.024428	8.456369	7.534720	13.999619	8.471797	8.891647	8.940358	
##	865137	7.881966	4.531979	3.493507	16.522190	3.832178	5.152796	6.446213	
##	86517	6.945315	5.802554	7.446987	10.596976	7.025252	7.521302	5.987602	
##	865423	14.714742	16.419880	19.305932	8.070883	18.094989	16.891878	15.166296	
##	865432	6.729156	4.405066	4.359855	14.283310	5.242444	5.679018	5.648688	
##	865468	9.091881	5.378842	3.509767	16.025836	4.550616	5.857984	5.236772	
##	86561	9.454835	5.159411	1.954211	16.796813	4.082404	5.770320	6.347597	
##	866083	7.976122	4.220712	3.346369	14.798708	3.536330	6.636228	6.318449	
##	866203	9.791047	7.284536	6.648132	12.410455	7.571092	8.529687	7.228489	
##	866458	6.088648	4.481377	6.637872	12.238561	6.300678	5.587692	3.808379	
##	866674	7.625197	7.406603	8.173276	9.801633	8.227546	9.704161	7.671181	
##	866714	7.038408	3.901580	4.238618	15.332106	4.299651	4.069209	5.469936	
##	8670	6.231795	4.206840	5.235275	12.352268	5.012553	6.623398	5.639561	
##	86730502	7.315447	4.619496	4.986634	12.510649	5.361488	7.090450	6.049152	
##	867387	7.964022	4.822187	3.790291	14.384464	5.076312	6.086700	5.605604	
##	867739	8.084911	5.851700	5.993136	12.190752	5.956315	7.869780	6.761277	
##	868202	8.291886	3.299184	2.745693	15.818571	2.226995	4.799572	4.874780	
##	868223	9.116893	4.358405	4.876133	16.423370	4.936860	4.976310	4.954476	
##	868682	8.760064	4.235222	1.972546	16.601438	3.848112	4.931163	5.633499	
##	868826	9.104915	8.179596	10.280673	10.692134	9.560010	8.141560	7.407424	
##	868871	7.878137	4.000627	5.627977	15.582832	5.322475	4.000430	3.964841	
##	868999	9.934361	6.310181	4.417496	18.388488	5.390490	5.298314	7.636407	
##	869104	7.139095	4.599238	5.328745	12.301231	5.303577	6.052491	5.055438	

##	869218	7.817317	2.761641	3.766665	15.944456	3.512128	3.435588	4.465998
##	869224	7.839825	4.178731	2.473547	15.325993	3.548586	5.019561	5.675931
##	869254	10.221300	5.584098	2.988527	17.751270	4.355157	4.992102	6.169371
##	869476	6.493241	5.205093	7.116000	14.746784	6.163169	4.076006	4.993140
##	869691	8.330979	8.423188	10.030931	12.781817	9.727440	9.025823	8.857817
##	86973701	8.216610	5.699376	6.231399	13.605463	6.327886	5.736317	4.440294
##	86973702	6.824974	3.872457	3.799636	14.003093	4.390629	5.566518	4.784701
##	869931	9.941590	5.940729	2.279331	16.809535	4.792032	6.438786	6.694975
##	871001501	8.763826	4.816262	5.258017	15.044113	5.710126	5.451464	5.910682
##	871001502	7.079258	6.896248	9.584469	15.476603	7.727101	7.148129	6.846592
##	8710441	17.683589	19.399198	21.932427	18.816259	20.864226	19.480697	17.613115
##	87106	9.073451	4.800862	3.796248	17.049970	4.284164	4.005235	5.921580
##	8711002	6.975854	3.866310	4.197584	14.478307	3.736836	4.323413	5.151396
##	8711003	8.254064	3.947779	2.025234	15.865914	3.364182	4.838847	5.310824
##	8711202	6.865249	6.184598	8.243560	9.596050	7.655478	7.767938	5.552951
##	8711216	10.506046	6.539564	4.853747	14.881626	6.511119	7.619058	6.578082
##	871122	8.895799	4.830182	2.622918	17.121658	4.007143	5.035084	6.235748
##	871149	10.313081	6.067552	3.190746	18.185537	4.582739	5.450301	7.087746
##	8711561	7.261769	3.431037	5.435594	14.079399	4.637372	3.358521	3.829228
##	8711803	10.230562	8.754330	9.247158	11.553257	9.377706	9.114071	7.650096
##	871201	7.494574	8.571751	9.680828	8.301645	9.612654	10.763757	9.110990
##	8712064	7.210974	2.672602	4.768846	15.197192	3.055515	3.166523	2.841435
##	8712289	10.007053	9.621132	9.683949	10.402096	9.978072	11.335929	9.629444
##	8712291	10.361412	5.946696	2.570083	16.849439	4.921923	6.516335	6.825896
##	87127	9.209241	5.729062	4.472559	17.963768	4.756857	5.118216	6.890851
##	8712729	8.337873	5.376647	5.403389	12.644869	5.965904	6.764012	5.379118
##	8712766	7.904039	7.694782	9.213501	9.705357	8.575172	9.461241	7.433253
##	8712853	8.837303	4.526876	2.857706	15.605395	4.512924	5.733878	5.674286
##	87139402	8.148053	4.315617	3.938629	15.921428	4.517930	4.605863	5.505489
##	87163	8.236192	3.972220	3.171464	14.741380	3.409840	5.598818	5.494620
##	87164	3.868022	5.665580	7.508925	11.084084	7.135806	7.581403	6.608111
##	871641	9.503033	5.329614	6.205190	17.242829	5.543406	2.819703	4.354235
##	871642	10.970858	6.312154	4.884090	17.989828	5.737055	4.843618	6.987983
##	872113	10.192077	6.160077	4.702406	18.689299	5.066000	4.191944	6.957597
##	872608	9.268126	8.905080	11.442103	15.054639	10.059486	8.033423	6.876974
##		86409	864292	864496	864685	864726	864729	864877
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## 864729      9.000607  6.979226  6.437309  6.153799  9.894131
## 864877      7.932373  7.710897  7.954106  7.584678  10.300590  3.153067
## 865128      11.577838  9.597627  10.127085  8.240141  11.849246  8.397873  9.888976
## 865137      10.752414  6.229088  3.823671  3.572136  7.901244  6.611462  8.795789
## 86517       8.974585  7.268999  8.224167  6.411845  9.604929  4.602121  5.491013
## 865423      14.540089  16.112100  18.448642  17.650187  16.980258  14.245869  12.965248
## 865432       9.323227  5.794943  5.036511  4.427418  8.182037  5.355311  7.543681
## 865468       8.451983  6.108709  6.320220  3.959309  6.892344  7.797891  8.911564
## 86561       10.841703  6.450785  5.912130  3.134176  8.426959  7.719920  9.484609
## 866083      10.237846  6.792768  6.095837  3.637579  9.646291  5.614634  7.047642

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## 866203	9.601822	8.579616	9.562734	6.713441	10.233498	7.213481	8.176973
## 866458	7.813794	4.801543	6.093143	5.255791	6.886335	4.750692	6.151466
## 866674	8.636873	8.901073	9.803585	7.752327	11.432471	5.177993	5.114587
## 866714	9.879983	4.851729	3.749188	3.623453	7.563612	5.784485	7.924639
## 8670	9.295568	6.577414	6.358190	4.362168	9.041895	3.666412	5.411440
## 86730502	9.477709	6.753820	7.137438	4.684427	9.827640	4.295182	5.924989
## 867387	9.630127	6.402886	6.172443	4.106184	8.352309	5.837973	7.885577
## 867739	9.867964	8.000914	8.274392	5.616983	10.238909	5.348202	6.302419
## 868202	10.015772	5.335314	5.220814	2.292118	7.884162	6.522258	7.888587
## 868223	10.254970	5.248934	6.202942	4.176094	7.265844	8.153097	9.449191
## 868682	10.450448	5.571495	4.807212	2.953745	7.643645	7.225566	9.216479
## 868826	9.820333	8.423030	9.815302	9.152286	9.528752	7.797485	8.318781
## 868871	9.847910	4.121818	4.824878	4.207149	5.444869	7.034429	8.720413
## 868999	12.035091	6.571874	5.122937	4.890273	8.561779	8.904654	10.927444
## 869104	8.713153	6.017298	6.809748	4.494727	8.460255	4.850439	6.103180
## 869218	10.003066	3.866283	4.285830	2.810562	7.196313	6.667286	8.344928
## 869224	9.772967	5.754117	4.729427	3.235718	8.109533	5.881575	7.944018
## 869254	10.728054	6.184850	5.912034	3.804839	7.211686	8.886796	10.517997
## 869476	8.536268	3.682592	4.496557	5.323601	6.321428	6.605077	7.628323
## 869691	9.970516	8.630652	9.089085	9.777523	11.515627	7.332221	8.340264
## 86973701	6.303402	5.156356	7.334754	5.587649	7.282207	7.124179	7.628240
## 86973702	8.763798	5.663423	5.099752	3.573034	7.519851	5.048922	6.932531
## 869931	10.390865	7.051809	6.656984	3.901298	8.532029	8.268577	9.839261
## 871001501	10.942687	5.496108	6.281099	4.758048	8.833872	6.773238	8.621319
## 871001502	8.126818	5.858848	6.910648	7.928370	8.451082	8.056730	7.593909
## 8710441	13.585957	17.822453	19.769857	20.635678	17.557498	19.274205	17.898970
## 87106	11.233799	5.499948	4.528721	3.780991	7.230374	7.686112	9.772074
## 8711002	9.289529	5.305839	4.482463	3.753372	7.521578	5.211099	7.133807
## 8711003	9.799688	5.221915	4.793302	2.688787	7.903339	6.466329	8.267963
## 8711202	7.783839	7.025920	8.587766	6.776588	8.782906	5.030245	5.107725
## 8711216	9.913600	7.580861	8.793736	5.609246	9.484311	8.193367	9.403411
## 871122	10.897548	6.074862	4.748177	3.250925	7.808229	7.589119	9.596138
## 871149	11.574882	6.910289	5.815203	4.194337	8.134083	8.929776	10.806067
## 8711561	8.796688	3.531344	5.212066	4.059132	6.847281	5.934953	7.209858
## 8711803	9.892151	9.419906	10.523964	8.602370	9.739744	8.214457	8.950160
## 871201	9.708873	10.315280	10.633157	9.214393	12.527295	5.326517	5.482461
## 8712064	8.733684	3.053860	4.482454	2.532264	5.851461	6.308937	7.150566
## 8712289	10.626554	11.167148	11.730382	9.505713	12.939578	7.506163	7.708993
## 8712291	11.099815	7.278987	7.176621	4.194542	9.114512	8.368458	10.068980
## 87127	11.549597	6.498203	4.501498	4.379540	7.317971	8.458666	10.368191
## 8712729	8.921926	6.767117	7.768569	5.069455	8.812372	5.833301	7.106740
## 8712766	8.563375	8.887874	10.021384	7.977127	10.552908	6.461278	5.730271
## 8712853	10.504824	6.082145	6.104551	3.256355	8.384234	6.813445	8.742713
## 87139402	10.595376	5.464701	4.536901	3.692262	7.349040	6.596727	8.823665
## 87163	10.066696	6.293454	5.988612	3.034677	8.448875	5.997982	7.590403
## 87164	8.336332	7.075659	6.494416	6.715033	9.440085	3.173463	4.688632
## 871641	10.470973	4.115090	5.632678	5.083063	5.112220	8.872103	10.195720
## 871642	12.057821	6.265457	6.787314	5.272059	8.365932	9.452029	11.250587
## 872113	11.822268	5.804662	5.038063	4.716862	7.517812	9.358122	11.089663
## 872608	6.334493	6.778397	9.296754	9.772452	7.194997	10.299506	9.639754
##	865128	865137	86517	865423	865432	865468	86561
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## 86409
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## 866674       7.356705  9.062208  4.388463 13.246620  7.109898  7.990904  8.273020
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## 867739       6.180447  6.940310  3.148059 14.904856  5.567687  6.186900  5.718993
## 868202       7.311065  4.534455  6.318598 17.798302  4.948661  4.041661  3.268973
## 868223       9.104773  5.651849  6.905891 17.744417  5.376534  4.609190  4.415313
## 868682       7.694671  2.767394  7.166096 18.737865  3.430100  3.546696  2.179704
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## 86973701     6.884549  6.947057  5.774993 15.281148  5.698313  4.905370  6.177165
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## 871001501    6.107294  5.740204  6.348958 16.678381  4.778854  6.696318  5.156549
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## 8710441     21.757509 21.367993 19.431141 18.636581 20.157680 20.107858 22.170006
## 87106        7.747071  2.784400  7.555757 18.605829  3.902237  4.963865  3.488248
## 8711002     6.133377  3.337122  5.707116 16.605288  3.377329  4.913111  4.529545
## 8711003     6.774805  3.237489  6.554696 18.122387  3.650694  3.732614  2.595733
## 8711202     8.116435  8.282507  2.878727 11.728394  6.254343  7.328566  7.901001
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## 871122      8.181858  2.098507  7.412108 19.164518  3.513389  3.774096  2.060113
## 871149      8.385862  3.317757  8.444529 20.026190  5.076171  4.191394  2.754098
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## 8712064     8.700996  5.199722  6.261728 16.466195  5.314468  4.549530  4.791323
## 8712289     7.377842 10.328776  4.931333 13.875405  8.501365  9.267190  9.346484
## 8712291     6.591756  4.881670  7.123856 18.965572  4.886837  3.853905  1.929792

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## 87127	9.958437	2.560811	8.580451	19.746467	4.577176	4.918024	3.915231
## 8712729	5.469808	6.258624	3.072824	14.937153	4.523190	5.003570	4.969499
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## 8712853	6.981724	3.967931	5.745719	17.671174	3.339003	3.845968	1.910756
## 87139402	7.522031	2.549042	6.530617	17.794012	2.723774	4.789167	3.598123
## 87163	6.472341	4.456749	5.049375	17.104166	4.234041	4.111766	3.111252
## 87164	8.617246	6.336014	4.767990	14.375822	4.184883	7.406746	7.565808
## 871641	9.358208	5.727207	8.036844	17.599434	5.954699	5.702631	5.720991
## 871642	7.660429	5.435563	8.632161	18.957176	6.012035	5.935315	4.504818
## 872113	9.165617	4.321099	9.379809	19.939240	5.858187	5.830665	4.501716
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 ## 867387 4.611602 4.484790 4.216277 6.484576 3.893866 3.278546 3.861589
 ## 867739 4.240953 3.386724 5.903094 4.005279 6.645000 2.939866 2.864319
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##	8711216	5.286191	3.342886	6.629810	6.762916	6.650926	5.528416	4.618029
##	871122	5.176189	7.094782	6.192100	9.142719	3.352305	5.486833	5.993355
##	871149	5.967903	7.646073	7.511792	10.201198	4.442127	6.785602	7.029490
##	8711561	5.236692	6.545059	4.353484	7.447689	3.783672	4.949669	4.808401
##	8711803	8.871526	4.544699	6.021610	7.250882	8.569857	6.386365	7.079928
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##	87127	6.845707	8.728266	6.954158	10.579174	4.346604	6.724276	7.697141
##	8712729	4.806779	2.246792	4.436616	5.028935	5.588111	3.325322	3.129536
##	8712766	7.582031	5.745172	6.740421	4.981511	9.211349	5.525306	6.090124
##	8712853	4.194759	5.100466	5.173302	7.289882	4.119986	4.054356	4.124168
##	87139402	5.455364	6.779975	4.755733	8.545051	2.748649	4.747560	5.443423
##	87163	2.774461	4.713788	5.589700	6.570683	4.631965	3.307632	3.449117
##	87164	6.753542	7.103084	4.309565	5.749347	5.667534	4.031640	5.359920
##	871641	7.685460	8.629534	5.997072	10.470144	5.085531	7.417765	7.933914
##	871642	6.814463	7.971582	7.655016	10.404491	4.931456	7.530766	7.214375
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## 868223	5.183445	6.701148	4.077674				
## 868682	3.205546	6.413762	3.288240	4.163866			
## 868826	8.144781	7.801439	9.156912	9.104120	9.533829		
## 868871	4.552412	7.446084	5.282685	4.361328	4.005614	8.265920	
## 868999	5.608330	8.707807	5.676503	6.427316	3.671784	10.867855	5.814965
## 869104	3.272909	2.753059	4.506867	5.303532	5.143653	6.416962	5.558229
## 869218	4.533751	6.385830	3.008721	3.067976	3.100134	8.659904	3.888281
## 869224	2.900199	5.450853	3.369158	5.479074	2.505065	8.731665	5.017645
## 869254	4.588152	7.292314	3.986619	3.968869	2.494598	10.246542	4.943259
## 869476	6.376191	8.323678	6.677279	7.074922	6.270281	8.263270	5.108516
## 869691	9.301646	9.910130	9.595483	11.241192	9.753408	8.073957	9.886123
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## 871001501	4.788193	6.419587	4.847545	6.024448	4.459976	7.637655	5.229077
## 871001502	10.123016	10.678945	8.470251	9.545665	9.427055	11.198775	8.883704
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## 871122	3.406775	6.734664	3.898376	4.497462	1.679189	10.023940	4.392313
## 871149	4.672534	7.563231	4.527138	5.069098	2.875712	10.646789	5.574325
## 8711561	5.074878	6.111673	4.191275	4.977938	4.739065	6.357061	4.555491
## 8711803	6.262733	6.038595	8.642056	8.682135	8.721155	5.473957	8.001019
## 871201	7.267659	4.856993	9.047829	10.168938	9.754868	7.939301	9.938029
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## 87127	4.960869	8.188481	5.466071	5.405632	3.481946	10.816041	4.573170
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## 8712766	7.500025	4.830977	8.016161	8.314933	9.296602	7.354249	8.975944
## 8712853	2.142749	4.881733	3.358585	4.028522	2.330067	9.018005	4.403181
## 87139402	2.950338	6.539127	4.440357	5.126747	2.415171	8.597431	3.248570
## 87163	3.189867	3.573491	2.279156	4.290889	3.465838	8.183794	5.388648
## 87164	5.285873	5.949365	7.267449	8.053774	7.002234	7.611534	6.610278
## 871641	6.019852	8.516742	5.495812	4.603366	4.981589	9.030561	3.587469
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## 872113	6.168665	8.990096	5.408980	5.871293	3.935051	10.747593	5.536710
## 872608	11.009248	11.745949	10.257899	9.964471	10.904763	10.063705	9.298759
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## 869254      3.932487  6.024052  3.931521  3.865328
## 869476      6.082358  6.234992  5.187887  5.714759  7.011288
## 869691     10.229343  8.822415  9.063755  8.186947 11.144198  8.081986
## 86973701    7.550249  4.642153  5.250287  5.382556  6.153680  5.489006  8.092250
## 86973702    5.876828  3.488388  4.272266  2.842923  4.768235  5.806453  8.897988
## 869931      4.906487  5.189077  4.677125  3.480038  2.600516  7.488459 11.081839
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## 871001502   9.703567  9.303225  8.024197  8.724493  9.919315  6.452809  8.628834
## 8710441     22.124874 19.871962 20.481946 21.010786 21.664921 18.123521 18.184661
## 87106       2.628985  5.772995  3.618518  3.154216  3.261760  5.640768  9.569120
## 8711002     4.757670  4.300719  4.043571  2.114857  4.931182  4.943313  7.194263
## 8711003     3.874845  4.498305  3.228278  1.728323  3.372919  5.782821  8.652980
## 8711202     10.050215  3.683975  7.261102  7.173002  8.782375  7.275583  9.322807
## 8711216     7.558225  4.234933  5.690265  5.205938  5.166864  8.622357 10.686195
## 871122      3.037296  5.470318  3.612450  2.848179  2.419907  6.162228 10.456399
## 871149      2.938840  6.354014  4.525694  3.661407  1.855779  7.049591 11.179710
## 8711561     5.962966  4.258615  3.216421  4.302786  5.587685  4.479626  7.068085
## 8711803     10.574582  5.266759  8.976702  8.102904  9.150432  9.106147 10.835225
## 871201      11.748922  5.589323  9.690297  8.487648 11.007263  9.971608  9.667654
## 8712064     6.300992  4.774132  2.806882  4.578822  4.854273  4.893805  9.463762
## 8712289     12.082592  6.006675 10.223716  8.760861 10.895968 10.817176 11.103720
## 8712291     5.266796  5.157940  4.499724  3.670767  3.225845  7.909291 10.854451
## 87127      3.494755  6.820304  4.773584  4.467584  3.518431  6.337957 11.564342
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## 87139402    3.723287  4.968487  3.836963  2.923019  4.011047  5.421220  9.159426
## 87163       5.985068  3.101112  3.841518  3.197844  4.246045  7.009536  9.681239
## 87164       8.506537  4.931540  6.947319  5.956296  8.597288  6.267305  7.859602
## 871641      5.604911  6.712530  4.124117  5.800053  4.710261  5.433439 10.414005
## 871642      3.779909  6.720297  4.224024  4.842085  3.662733  7.046853 10.219288

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## 872113	2.011384	7.376770	4.416868	4.682186	3.557754	5.904312	10.565068
## 872608	11.571347	10.079554	9.412430	10.545195	10.886812	7.100397	10.087735
##	86973701	86973702	869931	871001501	871001502	8710441	87106
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## 871001501 6.257650 5.102835 5.955853
## 871001502 7.586581 9.111828 10.598146 9.332110
## 8710441 17.600481 20.085324 22.034154 20.687882 15.976982
## 87106 6.671667 4.241460 4.342744 4.255947 9.472701 21.425427
## 8711002 5.120854 3.311207 5.022636 4.423548 7.882044 19.887377 3.470245
## 8711003 5.238600 3.326939 3.182640 3.814660 8.376288 20.766620 3.021351
## 8711202 5.893104 5.529976 8.055787 7.059719 9.767053 18.433415 8.419526
## 8711216 5.195683 5.050426 4.029678 5.811083 11.085760 21.293495 6.404546
## 871122 6.464541 3.604609 2.821655 5.318832 9.718673 21.741005 2.268127
## 871149 6.894355 5.064386 3.053417 6.187537 10.299969 22.362881 2.963207

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## 8711561	4.276892	4.761287	6.097134	3.413801	7.200074	18.783707	4.606426
## 8711803	7.127343	6.697363	8.366668	8.238863	12.803062	20.007283	8.845187
## 871201	8.398580	7.235322	9.657366	9.131848	11.907519	20.225136	10.492396
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## 8712291	6.102341	4.408397	1.894810	5.349559	11.068211	22.508667	4.351537
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## 8712766	7.276947	7.189511	8.884100	9.131357	10.997293	19.411883	10.242947
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## 87139402	6.387109	3.046853	4.394034	3.998164	9.429542	20.853829	1.714667
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## 871641	6.190240	5.881303	6.333427	5.959345	8.785349	20.048133	4.024803
## 871642	6.805690	6.400682	5.102825	4.703808	10.127586	22.263188	3.395178
## 872113	7.329806	6.266315	5.160011	5.744404	9.289625	21.913004	2.815214
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## 869476
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871642
872113
872608
927241
842517
84300903
84348301
84358402
843786
844359
84458202
844981
84501001
845636
84610002
846226
846381
84667401
84799002

848406
84862001
849014
8510426
8510653
8510824
8511133
851509
852552
852631
852763
852781
852973
853201
853401
853612
85382601
854002
854039
854253
854268
854941
855133
855138
855167
855563
855625
856106
85638502
857010
85713702
85715
857155
857156
857343
857373
857374
857392
857438
85759902
857637
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857810
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859196
85922302
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859575
859711
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8610404
8610629
8610637
8610862
8610908
861103
8611161
8611555
8611792
8612080
8612399
86135501
86135502
861597
861598
861648
861799
861853
862009
862028
86208
86211
862261
862485
862548
862717
862722
862965
862980
862989
863030
863031
863270
86355
864018
864033
86408
86409
864292
864496
864685
864726
864729
864877
865128
865137
86517
865423
865432

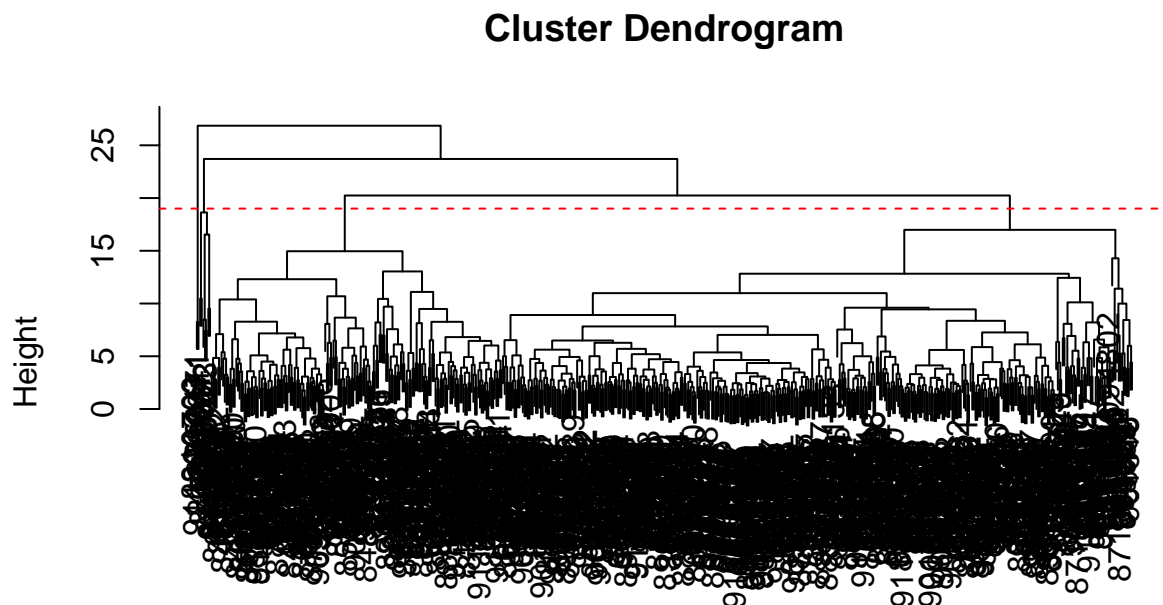
```
## 865468
## 86561
## 866083
## 866203
## 866458
## 866674
## 866714
## 8670
## 86730502
## 867387
## 867739
## 868202
## 868223
## 868682
## 868826
## 868871
## 868999
## 869104
## 869218
## 869224
## 869254
## 869476
## 869691
## 86973701
## 86973702
## 869931
## 871001501
## 871001502
## 8710441
## 87106
## 8711002
## 8711003
## 8711202
## 8711216
## 871122
## 871149
## 8711561
## 8711803
## 871201
## 8712064
## 8712289
## 8712291
## 87127
## 8712729
## 8712766
## 8712853
## 87139402
## 87163
## 87164
## 871641
## 871642
## 872113
## 872608
## [ reached getOption("max.print") -- omitted 392 rows ]
```

```
wisc.hclust <- hclust(data.dist, method="complete")
wisc.hclust
```

```
##
## Call:
## hclust(d = data.dist, method = "complete")
##
## Cluster method   : complete
## Distance         : euclidean
## Number of objects: 569
```

Q11. Using the `plot()` and `abline()` functions, what is the height at which the clustering model has 4 clusters?

```
plot(wisc.hclust)
abline(h = 19, col="red", lty=2)
```



data.dist
hclust (*, "complete")

Selecting number of clusters

```
wisc.hclust.clusters <- cutree(wisc.hclust, h = 19)
```

```
table(wisc.hclust.clusters, diagnosis)
```

```
##              diagnosis
## wisc.hclust.clusters  B  M
##              1 12 165
##              2  2  5
##              3 343 40
##              4  0  2
```

Q12. Can you find a better cluster vs diagnoses match by cutting into a different number of clusters between 2 and 10?

```
wisc.hclust.clusters <- cutree(wisc.hclust, h = 17)
table(wisc.hclust.clusters, diagnosis)
```

```
##              diagnosis
## wisc.hclust.clusters  B  M
##              1 12 165
##              2  0  5
##              3 343 40
##              4  2  0
##              5  0  2
```

```
wisc.hclust.clusters <- cutree(wisc.hclust, h = 18)
table(wisc.hclust.clusters, diagnosis)
```

```
##              diagnosis
## wisc.hclust.clusters  B  M
##              1 12 165
##              2  0  5
##              3 343 40
##              4  2  0
##              5  0  2
```

```
wisc.hclust.clusters <- cutree(wisc.hclust, h = 20)
table(wisc.hclust.clusters, diagnosis)
```

```
##              diagnosis
## wisc.hclust.clusters  B  M
##              1 12 165
##              2  2  5
##              3 343 40
##              4  0  2
```

```
wisc.hclust.clusters <- cutree(wisc.hclust, h = 21)
table(wisc.hclust.clusters, diagnosis)
```

```
##              diagnosis
## wisc.hclust.clusters  B  M
##              1 355 205
##              2  2  5
##              3  0  2
```

```
wisc.hclust.clusters <- cutree(wisc.hclust, h = 22)
table(wisc.hclust.clusters, diagnosis)
```

```
##              diagnosis
## wisc.hclust.clusters  B  M
##                   1 355 205
##                   2   2   5
##                   3   0   2
```

Using different methods

Q13. Which method gives your favorite results for the same `data.dist` dataset? Explain your reasoning.

```
wisc.hclust <- hclust(data.dist, method="single")
wisc.hclust
```

```
##
## Call:
## hclust(d = data.dist, method = "single")
##
## Cluster method   : single
## Distance         : euclidean
## Number of objects: 569
```

```
wisc.hclust <- hclust(data.dist, method="complete")
wisc.hclust
```

```
##
## Call:
## hclust(d = data.dist, method = "complete")
##
## Cluster method   : complete
## Distance         : euclidean
## Number of objects: 569
```

```
wisc.hclust <- hclust(data.dist, method="average")
wisc.hclust
```

```
##
## Call:
## hclust(d = data.dist, method = "average")
##
## Cluster method   : average
## Distance         : euclidean
## Number of objects: 569
```

```
wisc.hclust <- hclust(data.dist, method="ward.D2")
wisc.hclust
```

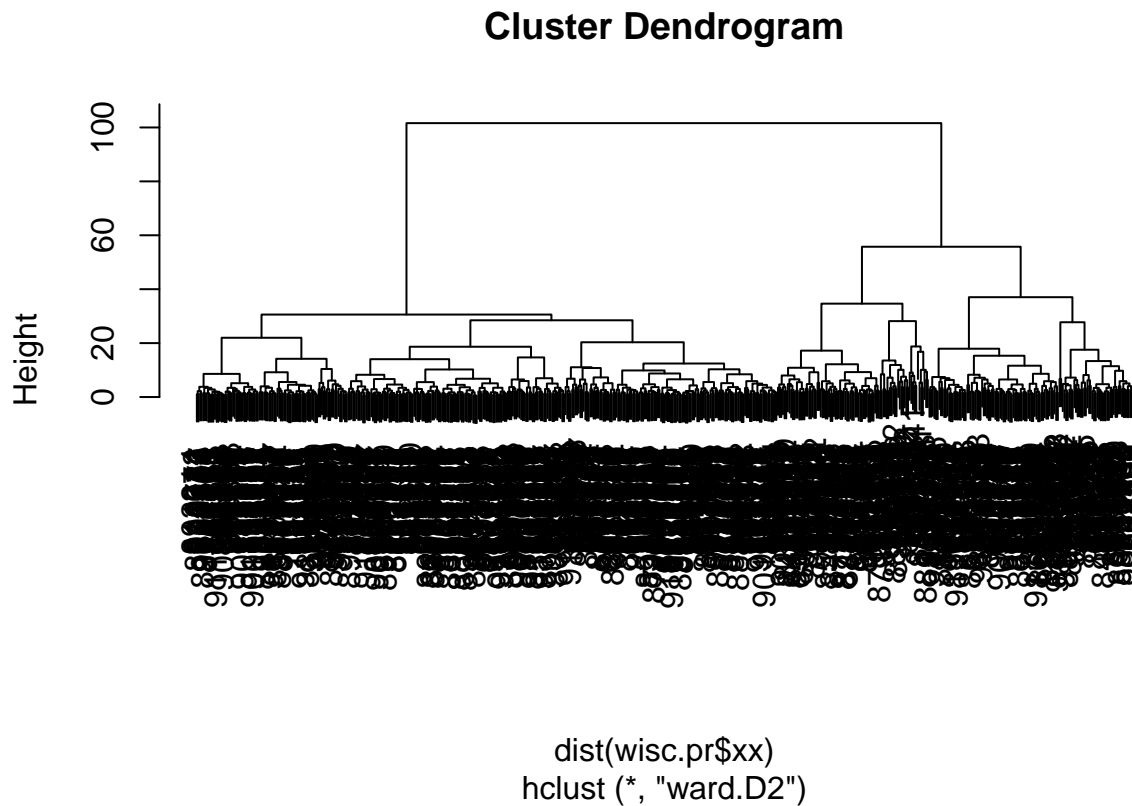
```
##
## Call:
## hclust(d = data.dist, method = "ward.D2")
##
## Cluster method   : ward.D2
## Distance         : euclidean
## Number of objects: 569
```

OPTIONAL: K-means clustering and comparing results

Q14. How well does k-means separate the two diagnoses? How does it compare to your hclust results?

Combining methods: Clustering on PCA results

```
wisc.pr$xx <- wisc.pr$x[, 1:7]
wisc.pr.hclust <- hclust(dist(wisc.pr$xx), method = "ward.D2")
plot(wisc.pr.hclust)
```



We will now continue to see if the results from the dendrogram are malignant and benign.

```
grps <- cutree(wisc.pr.hclust, k=2)
table(grps)
```

```
## grps
##    1    2
## 216 353
```

Q15. How well does the newly created model with four clusters separate out the two diagnoses?

```
table(grps, diagnosis)
```

```
##      diagnosis
## grps    B    M
##    1  28 188
##    2 329  24
```

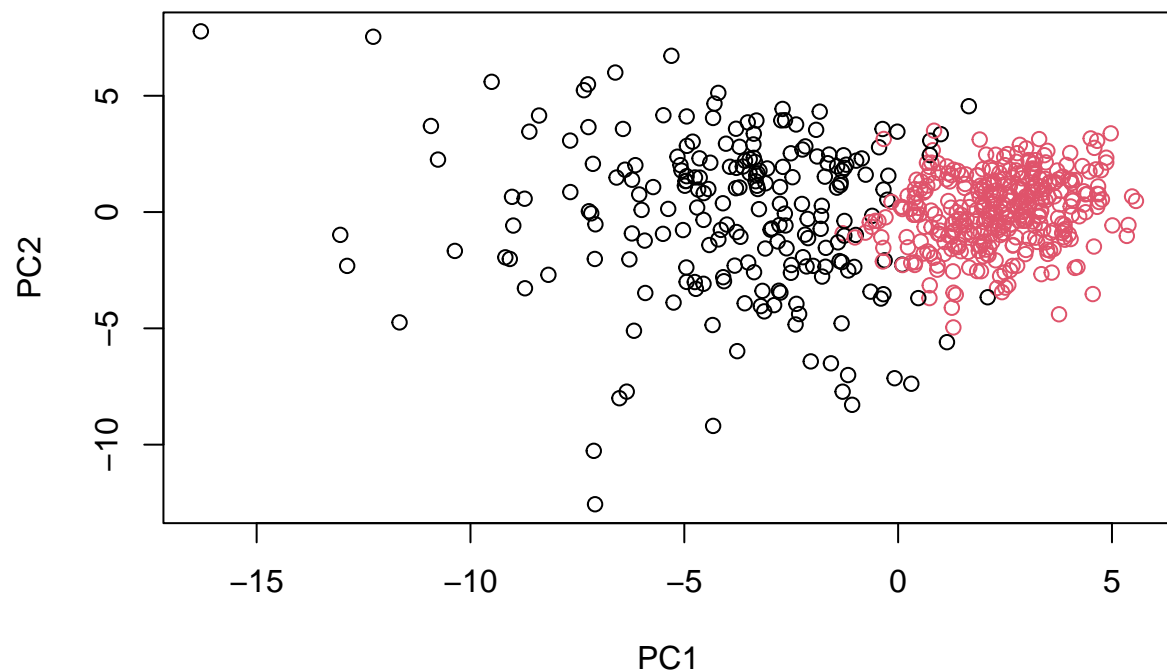
*False positive result in the above table is 28, and the false negative result is 24.

*For accuracy, we are essentially looking at how many we got correct.

```
(188+329) / nrow(wisc.data)
```

```
## [1] 0.9086116
```

```
plot(wisc.pr$x[,1:2], col=grps)
```



```
plot(wisc.pr$x[,1:2], col=diagnosis)
npc <- wisc.pr$x
npc
```

##	PC1	PC2	PC3	PC4	PC5
## 842302	-9.18475521	-1.946870030	-1.122178766	3.630536408	1.1940594778
## 842517	-2.38570263	3.764859063	-0.528827374	1.117280773	-0.6212283647
## 84300903	-5.72885549	1.074228589	-0.551262540	0.911280840	0.1769302185
## 84348301	-7.11669126	-10.266555635	-3.229947535	0.152412923	2.9582754313
## 84358402	-3.93184247	1.946358977	1.388544953	2.938054169	-0.5462667446
## 843786	-2.37815462	-3.946456430	-2.932296681	0.940209586	1.0551135428
## 844359	-2.23691506	2.687666414	-1.638471247	0.149208600	-0.0403240371
## 84458202	-2.14141428	-2.338186649	-0.871180715	-0.126931171	1.4261817833
## 844981	-3.17213315	-3.388831138	-3.117243065	-0.600768440	1.5209521144
## 84501001	-6.34616284	-7.720380945	-4.338098744	-3.372234369	-1.7087596141
## 845636	0.80970132	2.656937673	-0.488400053	-1.671096176	-0.2755690974
## 84610002	-2.64876984	-0.066509405	-1.525113359	0.051216497	-0.3316592904
## 846226	-8.17783882	-2.698602007	5.725193241	-1.111278747	-1.0425531111
## 846381	-0.34182514	0.967428026	1.715661982	-0.594479872	-0.4675990720
## 84667401	-4.33856172	-4.856809832	-2.813639832	-1.453278303	-1.2889287269
## 84799002	-4.07207318	-2.974443983	-3.122526655	-2.455909915	0.4079831402
## 848406	-0.22985277	1.563382114	-0.801813642	-0.650010973	0.4942761390
## 84862001	-4.41412695	-1.417423150	-2.268323145	-0.186108659	1.4226094459
## 849014	-4.94435304	4.110716528	-0.314472408	-0.088128974	0.0566653163
## 8510426	1.23597583	0.188049490	-0.592761930	1.594942716	0.4417655273

## 8510653	1.57677384	-0.572304625	-1.799863016	1.124286473	0.3949222435
## 8510824	3.55420904	-1.661487969	0.450790799	2.071941593	0.4903150736
## 8511133	-4.72904972	-3.302058265	-1.465247427	2.039355666	0.0261970715
## 851509	-4.20482441	5.123858059	-0.751740573	-0.861951843	0.4705538779
## 852552	-4.94528075	1.542395143	-1.711687827	0.046718059	1.7377012054
## 852631	-7.09232236	-2.016835734	-0.028984132	2.585675482	2.0375470912
## 852763	-3.50717666	-2.169715994	-3.891122637	-1.294620549	0.0681580703
## 852781	-3.06136021	1.874902631	2.579478032	0.128371462	0.1165625639
## 852973	-4.00374127	-0.536769860	-2.759197831	-1.896718595	0.5252107652
## 853201	-1.71380176	1.522365502	0.146058578	1.909706071	-0.5356519265
## 853401	-6.05411853	0.756511800	-0.348932376	-1.063281958	0.7454493340
## 853612	-2.89968469	-4.001774373	-2.998823809	-0.325030387	0.8546038749
## 85382601	-4.55077848	-0.337239419	-0.753637681	-0.699714306	1.5471839770
## 854002	-4.98621538	1.131593223	-2.575118337	-1.216191663	-0.6693259394
## 854039	-2.98271631	-0.757756497	-3.490690279	0.054212589	-0.1669530505
## 854253	-2.76393718	0.354044421	-1.895295337	-0.533786198	0.8832432812
## 854268	-1.29505925	-0.912393466	-1.574383382	-1.042249570	-0.4143571251
## 854941	3.74601730	1.412230504	1.730784885	-0.564945456	-0.0802687991
## 855133	0.99719148	3.348346731	4.301788720	-0.560716245	0.4639645611
## 855138	-0.76459136	-0.885464837	-2.702540362	-0.274538185	-0.8097169787
## 855167	2.14906252	1.922300194	-1.179446370	-1.112219391	-0.4480774771
## 855563	0.09324934	-2.258764532	-1.903051997	-1.441039161	1.7038647386
## 855625	-9.08001023	-2.016898441	2.139343894	-1.068304028	-0.7972299505
## 856106	-0.98958304	-0.984064148	-2.308702241	-0.276582144	0.6399478981
## 85638502	0.29328849	0.136978564	-3.299029123	-1.008898141	0.0224910920
## 857010	-5.37620991	0.134758404	-1.677366657	1.506369463	-0.1518645822
## 85713702	4.57790860	-1.482915508	0.042037623	0.295968708	0.7132249498
## 85715	-1.69851237	-2.350203862	-3.075383081	-0.065962912	1.0555376469
## 857155	2.13456708	-0.095745364	-1.491099878	1.120077655	0.0679774156
## 857156	1.56610099	1.207370855	-0.368834570	-1.474331566	-0.1725985690
## 857343	3.53979091	1.281368110	1.017315805	-0.607621596	0.2194428358
## 857373	3.15503795	1.687473796	-0.495857416	0.193841543	-1.4386516886
## 857374	3.44745515	0.497780720	-0.152383875	0.574980496	0.0522688899
## 857392	-3.29964761	1.129943574	0.825666100	0.981853085	1.1942122234
## 857438	0.67402621	2.114549137	-1.394992302	-1.042221635	-0.2416042153
## 85759902	2.85564577	-0.152588874	0.428557855	0.482635650	1.5092086632
## 857637	-4.64465207	2.308301508	-0.728168145	0.639379104	1.1573061797
## 857793	-2.17494916	-0.971261438	-1.942179421	-0.736670095	0.3954358798
## 857810	3.71818738	1.786070097	1.278807604	0.115464169	0.5258196576
## 858477	4.13232693	-2.401679261	-1.241865694	2.046545722	1.1646276518
## 858970	2.38373822	-2.755233814	1.213018303	1.792911568	3.3352233901
## 858981	2.57661610	-3.135912650	1.399049169	-0.763194998	2.7816479152
## 858986	-4.75492832	-3.009032875	-0.166094576	-0.605295233	-1.1406976712
## 859196	2.31209785	-3.265116721	2.793766025	0.565229094	0.3814984103
## 85922302	-1.69012080	-1.539322116	-1.798262954	-1.389367072	1.2116088977
## 859283	-1.81071217	-0.722104815	-1.464960560	-1.197676214	1.4267861675
## 859464	2.78347559	-2.308617372	0.472309720	-1.605747397	1.6114402596
## 859465	3.51555502	0.657730736	0.590855071	-0.010793189	-0.0205709988
## 859471	-4.32619605	-9.194435552	1.491650337	0.319666023	-4.7240139158
## 859487	3.25841241	0.937013647	0.204949679	1.089113223	0.4599452518
## 859575	-2.70221851	4.433240985	0.307075192	0.488263229	-0.3721675732
## 859711	0.30758513	-7.381317396	3.815728542	2.131680166	-2.7083196796
## 859717	-5.49886689	-0.937500513	-2.208188675	-1.522456429	-0.9240784393
## 859983	0.36139121	-0.119633821	-2.039161544	1.057953093	-0.7564437850

## 8610175	2.62766457	0.696696349	-0.583428281	0.337884296	-0.4671344130
## 8610404	-1.42691206	1.965372092	1.110961327	0.752248984	0.5394071070
## 8610629	0.83378424	-1.963876860	0.789737653	3.434609101	2.3524809639
## 8610637	-6.22541880	-0.919260690	0.089748341	2.536926544	-0.0620812262
## 8610862	-11.65845644	-4.744442593	2.004115633	0.318768543	3.3883795562
## 8610908	2.01980045	0.254675746	-0.647302452	0.059199217	0.0547996477
## 861103	1.63694460	-1.714440587	0.433824539	-1.526622964	1.7678261507
## 8611161	-1.16643527	-2.512305286	-1.904043397	0.637750373	-0.2359734956
## 8611555	-10.75977535	2.255997858	0.038801648	-0.389043228	-1.1862447821
## 8611792	-5.03038488	-0.773728357	2.679979922	-1.665039071	0.3113456414
## 8612080	2.17255269	-0.496441169	-0.948257444	0.207037052	0.8845677371
## 8612399	-3.28534463	1.666770480	0.146802675	0.437108401	1.3673667927
## 86135501	-0.60707378	-0.162071919	1.635935419	-1.113531850	0.5403198078
## 86135502	-3.58041324	2.204721916	-1.703037100	-0.800589442	-0.3650009185
## 861597	0.93333687	-0.926885919	-0.040128345	-1.352209082	-0.0648850467
## 861598	-1.25849730	-1.014684255	-0.080521995	2.049531496	-0.1373994614
## 861648	1.58686770	1.618232954	0.309726682	-1.091038889	-0.0537268234
## 861799	-0.25227559	0.530884425	0.588809736	-0.110441165	-0.4283042881
## 861853	2.84492835	2.891103732	0.527524677	0.598290300	-1.4344348070
## 862009	1.96322268	0.964308498	-0.081136715	-0.093998029	0.5495403920
## 862028	-2.77342525	-0.557509977	-0.605238702	0.499390598	-0.4994662006
## 86208	-4.39236314	2.121640892	0.579000549	-0.776729960	0.3035669597
## 86211	2.58980407	-0.213446120	1.034701089	0.661423462	0.5402889624
## 862261	3.90090576	-1.189020421	1.550616806	-0.934952821	0.7074978792
## 862485	2.81575365	-0.367560567	-1.350247556	1.736886645	-0.2840715251
## 862548	-0.61573908	-0.638349988	-0.199743121	-1.096533937	-0.1185853914
## 862717	0.43247968	1.390820523	-0.082646762	-1.933578565	0.0344302397
## 862722	4.55102442	-3.525683788	-0.215074716	1.090925794	2.7559240651
## 862965	3.44515217	1.423370040	-0.088646005	-1.709223842	0.1065229834
## 862980	2.11410008	-1.847747782	-0.556184595	-0.463948150	0.4744968363
## 862989	2.68898618	-1.418813334	0.968298772	-0.002857011	1.2554137475
## 863030	-3.21109134	-4.043198634	-2.712997305	1.327457319	0.2214783192
## 863031	0.74861266	-1.796058175	-0.567866143	-0.560006237	0.9322757208
## 863270	3.15622889	1.034838878	-1.489373670	-0.592646911	-0.5136339075
## 86355	-13.04464395	-0.980650357	0.598286247	1.471636087	0.5993856696
## 864018	2.22672053	-0.666823902	-1.090600727	-1.077353762	0.2988661489
## 864033	2.49063954	-2.596401708	1.668257671	0.632929090	1.1557305724
## 86408	0.10325957	-2.278139015	2.107708229	-0.351536677	-0.6219347413
## 86409	-3.58813694	-3.922881433	2.045207163	-0.231562584	-5.4604591892
## 864292	1.34776279	-3.553098748	1.730668471	-0.046949434	0.3449474850
## 864496	2.50791098	-3.248461200	-1.686140767	1.188915291	0.4551865326
## 864685	2.04423086	-0.304616836	-0.533369397	-0.489411120	0.0678524055
## 864726	2.09522559	-3.663872062	3.629007335	1.538433194	-2.2345636748
## 864729	-3.10779316	-1.568009873	-2.611638159	0.617924024	1.1807403791
## 864877	-4.95236801	-2.382749650	-1.933405900	-0.610304229	0.1480794337
## 865128	-0.85026612	2.304707468	0.566963050	-0.043586897	2.0922055990
## 865137	2.96339173	-0.371179883	-2.064716427	2.070684315	-0.1628943517
## 86517	-3.33120209	1.324392029	0.727373652	1.002316780	0.9328861016
## 865423	-12.88327621	-2.314585873	6.323133317	1.940496559	3.1574494112
## 865432	0.77006610	0.064052860	-1.133411514	2.508256103	-0.0202192366
## 865468	2.20057925	0.734958544	0.266845303	-0.037586447	-2.9314571580
## 86561	3.14064881	1.875758557	-0.669779705	0.303065257	-0.4077106627
## 866083	0.63831885	0.910564828	-2.140840449	-2.139033534	0.4287624850
## 866203	-1.91744627	3.534971966	1.253821297	0.335703696	-0.5885511025

## 866458	-1.40762980	-1.303782215	0.640864876	1.885297508	0.0362201276
## 866674	-4.63960895	1.480714297	-1.169651383	-1.217534223	-0.1779160105
## 866714	1.87581684	-1.421979452	-1.069870821	1.707830258	0.8837714798
## 8670	-1.43081046	1.048681220	-1.260901861	0.532720319	0.6261456617
## 86730502	-1.35143790	1.153126842	-1.208729712	-0.827378497	0.9859398192
## 867387	0.70849143	1.566853657	-0.669405084	1.685780647	-0.3390165106
## 867739	-2.16950708	2.823776101	-0.561613332	-0.660250673	0.4745525764
## 868202	1.97510247	0.419018755	-0.380240597	-1.737931013	0.3083668329
## 868223	2.59850310	0.481911436	1.870726668	-0.437633248	-0.0160686443
## 868682	3.25514318	0.417953651	-0.691197447	0.659273518	-0.1214593563
## 868826	-3.77870160	-0.859625218	3.667773435	2.046019895	2.1818702714
## 868871	1.99028348	-1.328186508	1.134246527	2.044634146	0.2519061287
## 868999	5.01059989	-0.574194748	-0.841697543	2.167755281	0.8812268193
## 869104	-1.34383800	1.273650278	0.555354894	0.574366142	0.4704353120
## 869218	2.45380972	-0.897665441	0.352823033	-0.367668079	1.1033160270
## 869224	1.83566648	0.090946742	-1.444010288	0.671957291	0.1360791853
## 869254	4.34266862	0.892786708	0.638694049	0.425252734	-0.9556015217
## 869476	0.73216868	-3.698927716	0.657926113	2.234161633	0.3361716375
## 869691	-2.39788795	-4.833735642	-1.027253164	0.342615376	2.3897699977
## 86973701	-0.39275308	-1.082115915	2.245629588	-0.461452569	-1.6901413981
## 86973702	0.41196533	0.389288784	-1.044851048	1.365044596	-0.8627479982
## 869931	3.04724369	2.235817239	-0.469040276	0.182614048	-1.5744606816
## 871001501	1.44129554	-0.305601552	0.551062974	0.355761009	2.7005428427
## 871001502	-0.08311297	-7.144073768	-0.059957215	-1.801496676	-0.7374637239
## 8710441	-7.08707084	-12.562140869	7.352238887	1.224264329	-7.4838486945
## 87106	3.74011364	-0.250281306	-0.097297641	1.930448497	1.0426741051
## 8711002	0.96832079	-0.944113582	-0.890028129	1.095568323	0.6129630899
## 8711003	2.41659356	-0.005547532	-0.797678511	-0.070829748	0.0772419138
## 8711202	-4.09718264	0.378470806	1.445046044	0.701751100	-0.0006644087
## 8711216	0.75094226	3.067949187	1.447907672	-0.952587697	-0.8911446262
## 871122	3.65143365	0.674055644	-0.906188637	1.509832817	-0.2935538042
## 871149	4.67609710	1.102886823	-0.257081973	1.245379911	-0.4142538767
## 8711561	0.59725624	-1.784081072	1.480433343	-0.177715866	1.5878294278
## 8711803	-3.38435289	2.908477953	3.004594027	2.825801426	-0.5078995524
## 871201	-6.14447970	2.015878994	-1.564766888	0.970791871	0.3360742118
## 8712064	1.32386648	-1.468002337	0.847675513	-1.141761837	0.0477797028
## 8712289	-5.48932277	4.162167037	-0.600732185	0.149568094	-0.6250164993
## 8712291	2.99476813	2.736453261	-0.161042080	-0.412806573	-0.4051896121
## 87127	4.38287625	-0.006866240	-0.947274735	2.795545994	-0.4453390247
## 8712729	-1.21256768	2.037246395	0.979834026	0.238756035	-0.0856932721
## 8712766	-5.06520424	1.783582969	1.172615291	-0.693122956	-0.6480853131
## 8712853	1.97596280	1.841159394	-0.277115927	0.549266608	0.2067144089
## 87139402	2.51266554	-0.114151857	-0.496186180	2.352277364	0.6887689035
## 87163	0.94665494	1.683272444	-0.350877607	-0.576703303	0.3412418770
## 87164	-2.81688978	-1.263990953	-2.151251366	2.706077979	0.0400092558
## 871641	3.48092345	-1.618268077	2.673117328	1.252511728	0.5984548400
## 871642	4.65463399	0.222718846	1.557987797	0.510643007	1.8952731945
## 872113	5.34691339	-1.025855214	0.324700222	1.367479190	0.9178537547
## 872608	-1.16986842	-7.008319996	4.268106508	-0.332347396	-2.9068870248
## 87281702	-2.95370292	-0.705800822	-1.041419103	-0.521690540	-1.4123928506
## 873357	4.97132782	3.383227983	0.439451738	-1.576183104	-1.0328868993
## 873586	4.06045289	1.245070643	0.573972801	1.703893823	-0.6153230400
## 873592	-9.50430706	5.598558052	-0.636679193	0.224024081	0.4061861282
## 873593	-8.99924714	-0.580520281	-3.131959404	-0.861511555	-0.0456818494

## 873701	-0.75821134	1.607118481	-1.513763762	-1.075114038	0.0491913464
## 873843	2.65702172	-0.539461132	1.705514033	1.200694830	-2.3526717446
## 873885	0.38967611	0.988372689	-2.582896564	-0.783837500	-0.7336657053
## 874158	3.88564657	-0.815354285	1.014824328	0.824193256	2.1316971080
## 874217	-0.36455538	3.571318842	-2.222023387	0.222971846	-0.7778465452
## 874373	2.83339783	0.398379162	-0.347139642	0.812532578	0.0392461561
## 874662	3.30737348	-0.155604280	0.541002917	-0.512033374	1.7863073596
## 874839	3.35435293	1.102762109	0.151956099	0.827459950	-0.7336137377
## 874858	-6.51738201	-8.004126824	-0.326136731	-2.769361777	-1.5975261925
## 875093	1.71622508	0.542688019	3.295475582	-0.087253972	-0.0840995519
## 875099	5.56084294	0.477427493	4.123834207	-2.350422636	1.0515357688
## 875263	-1.77809695	-2.774146213	-0.941934046	-3.071649469	0.6945219915
## 87556202	-2.60918908	-1.560049030	-0.217995141	-0.492342056	-1.1034164923
## 875878	2.81656023	0.969257722	-0.382255094	0.463382873	-0.5513017565
## 875938	-2.49624245	-2.276479790	1.318318594	-1.179800454	1.8980601601
## 877159	-1.27590451	2.441111044	2.464148795	-0.129776372	-2.1534113490
## 877486	-3.47014398	2.275846405	-1.237595112	-1.112162383	-1.0083717623
## 877500	-1.25557034	-0.382057094	-3.834946034	-0.716289870	0.6505837048
## 877501	1.47213604	-0.116787496	-0.214479145	-0.490377374	0.7132142476
## 877989	-1.64801062	2.100442902	-0.974414210	0.187878371	-0.9160201700
## 878796	-9.02864522	0.654596849	0.221085545	-0.764058327	-0.5644000271
## 87880	-4.55058603	-3.083925626	-2.268408346	-2.189192919	3.4583122917
## 87930	0.78050321	-0.652275325	-0.643091145	0.214279700	0.4372951306
## 879523	0.22289648	0.701204504	-2.268765765	0.997753580	-0.6459195774
## 879804	3.45185811	-1.305789765	-0.029238791	0.330213202	1.8602747487
## 879830	-0.44615183	2.785257008	0.443991604	0.471613571	0.5295236919
## 8810158	-0.31416180	-2.075734301	-2.081480386	-1.067600421	0.2176779819
## 8810436	2.05738166	2.470613908	-1.460433790	1.866439637	-1.8369468233
## 881046502	-4.80474158	3.026440019	2.741606351	0.283114502	-0.1937940455
## 8810528	2.99607430	0.396429212	-0.595941573	-0.207862040	-0.5678601226
## 8810703	-12.27421974	7.536778599	10.103533703	5.189703614	3.8491201120
## 881094802	-3.36923202	-2.585550416	7.085840019	-0.367171665	-2.7681374358
## 8810955	-2.50656080	-2.612349885	0.206198902	-1.893080135	2.1228977028
## 8810987	-1.31690973	-2.152585453	-1.785061911	-0.010160725	-0.1670054272
## 8811523	0.38841453	-2.274796314	0.626780574	-0.429349217	-0.1192752256
## 8811779	2.75450931	-1.085879226	1.705737291	-0.516377016	-0.8063132292
## 8811842	-4.93923501	2.845820436	0.913075404	0.334889341	0.4829010175
## 88119002	-4.29429880	4.662172958	-0.006834994	-3.650173128	-0.1785458275
## 8812816	2.37141521	0.732757814	-1.524685925	1.851700285	-1.1820779548
## 8812818	0.96634003	-0.438052741	-1.446423567	1.988611655	0.0938834761
## 8812844	2.97318270	-1.809381711	-0.223238842	0.391290904	1.5280262811
## 8812877	-1.80166175	-0.166314618	-2.626288708	-0.643175553	0.5214235661
## 8813129	2.47618073	1.417329346	-0.316254972	0.328213945	-0.6614306092
## 88143502	0.82531310	1.249148354	0.267725157	2.308595141	1.0139214702
## 88147101	3.89127342	-0.538097276	-0.880783727	1.037886765	0.8083176466
## 88147102	0.38923560	0.613875324	-1.351679911	1.174159176	-1.7883197584
## 88147202	1.45604019	0.201549415	-1.097912687	-2.004011649	-1.4772623926
## 881861	-2.75314552	-3.462726769	-2.471875866	-1.007392449	-0.1549996143
## 881972	-3.25439115	0.125090426	-2.893551435	0.748931137	0.3525453547
## 88199202	4.01560693	1.353056834	-0.360155815	-2.633480577	-0.7345986421
## 88203002	3.67318128	1.290493562	0.424237023	-4.597664394	0.7402578603
## 88206102	-3.31340866	3.935689268	-0.205273062	-2.116361469	-0.9691280654
## 882488	4.03305870	-1.161524089	0.189581014	0.939690169	0.5651016963
## 88249602	2.33218128	1.347793816	0.232482459	-1.211847619	-0.0515295475

## 88299702	-8.39645911	4.150252991	0.046927784	-0.551357625	0.2878270868
## 883263	-2.64524110	3.947699392	1.370675284	0.207636553	-1.4038189712
## 883270	0.68116951	1.134992457	1.232581929	-3.861102774	-1.4270964368
## 88330202	-3.34735048	2.152675899	-1.107968825	-4.345184373	-0.0623295495
## 88350402	2.22576208	1.213931555	-0.192244621	1.469984705	-0.0196978073
## 883539	4.47364832	1.739598699	-0.887426246	0.763980319	-0.6046080177
## 883852	-1.32145867	-4.785266054	-0.661952674	-1.020298051	-2.1481343740
## 88411702	1.84846341	1.582735509	1.262806090	-0.801397452	-0.7107861777
## 884180	-3.79222888	1.025330459	0.897845626	-0.759791922	0.7571812276
## 884437	2.27931254	-2.075859442	2.428512195	-1.185017124	2.8564899050
## 884448	3.22593164	1.171043084	0.264431658	-1.002062865	-0.8936812738
## 884626	-1.02499890	-2.359186109	-1.615464155	1.144955805	-4.1408350383
## 88466802	2.58028546	-0.728572047	-0.547660903	-2.330028998	1.8336515859
## 884689	2.48369783	-0.460191483	-0.598393817	0.997839640	0.4299455562
## 884948	-7.13756174	2.073018195	1.087430513	0.715703759	-0.8191801992
## 88518501	3.02981522	0.648897838	0.310409540	0.579772365	0.7322406058
## 885429	-7.07878207	-0.527758800	-1.278861780	0.650990489	-1.8521950854
## 8860702	-1.31294375	1.773865017	-1.671161321	0.694009370	-0.1127114795
## 886226	-3.70838653	2.805008998	-1.754649703	0.903310417	0.0709235923
## 886452	-0.46007427	-0.393819769	-1.003815294	1.074442849	0.4271589571
## 88649001	-6.38703001	1.821491443	0.479427881	-1.694969593	-0.5561879657
## 886776	-5.25092469	-3.891107226	-0.833120389	1.680122512	0.7836374535
## 887181	-8.72618338	-3.276993966	2.901146761	-0.276944482	1.0609133753
## 88725602	-3.68807276	-1.064709236	-3.512498419	-4.769000799	0.8017786584
## 887549	-3.37528098	3.368264175	-1.765224543	-2.076130195	0.5972560049
## 888264	0.83947101	3.497008034	0.182323228	-1.241480335	0.1084218681
## 888570	-3.28148526	0.989802279	2.552140777	-0.122718992	-0.3505294554
## 889403	1.90709089	3.119201237	-1.062121558	-1.061133233	-0.9564549675
## 889719	-1.61336234	2.472397898	-1.989384336	-0.378757895	0.4428590571
## 88995002	-6.61390681	5.997998811	0.988507976	-2.884219766	1.6938934564
## 8910251	1.46338831	-1.685149061	1.168877382	0.325375950	0.4644646263
## 8910499	2.01038350	1.102516460	1.336847795	-1.614259260	-0.6911126965
## 8910506	2.28233204	-0.009485293	-0.450043551	0.295519714	0.8031608330
## 8910720	0.73909276	-3.149749158	1.468565664	-0.314616789	-0.9468561582
## 8910721	4.50260070	3.166486414	-0.187896260	0.390816184	-1.3839888843
## 8910748	3.15597737	-0.409941090	-1.107842420	1.969885542	0.0585356134
## 8910988	-7.66940121	3.072602737	1.480656591	0.551916238	-0.8854262609
## 8910996	3.63593673	-1.588189625	0.715650110	0.669795890	1.5759444757
## 8911163	-0.33704893	3.141609173	-0.115619749	-1.813699425	-0.0352621513
## 8911164	1.27546111	-0.848306563	3.067369195	1.165472001	2.6757698121
## 8911230	4.34219338	0.321694999	0.388133185	1.106173921	1.5020111044
## 8911670	-0.01741547	3.456302110	0.306650981	0.475151814	-0.4003842967
## 8911800	3.48935577	2.631766723	-0.072124181	-0.307707020	-0.5245541387
## 8911834	1.86490793	0.901271186	-0.870402828	1.027910020	0.2316732520
## 8912049	-4.95590744	1.339944038	-1.455772409	-1.466907423	0.6119216765
## 8912055	2.46855062	0.137904923	1.793307382	1.546266616	0.6967490495
## 89122	-3.78173258	1.900235409	-1.742708503	0.391939754	0.3389814297
## 8912280	-2.63493731	-0.576647607	-1.992946242	0.272309546	-1.1957159307
## 8912284	1.37147827	-0.005800358	1.547927203	0.583925361	-3.0022368265
## 8912521	4.13524399	1.375298123	0.877276691	-0.059803630	0.5970712749
## 8912909	0.68633639	-1.693519506	1.025310679	-0.874708540	-2.1727638053
## 8913	4.30833870	1.976746804	-0.251085558	1.573526614	-1.9816674884
## 8913049	-0.40295486	-3.720160654	4.582436940	0.215721385	-0.8070907499
## 89143601	3.00096526	-0.353848878	1.232930128	-0.716826045	1.3114083326

## 89143602	-3.13125303	-4.269702670	5.861122345	0.596058607	-4.1973346842
## 8915	0.41746954	0.807865734	-1.092330348	-0.089650892	-0.2568431865
## 891670	1.41897459	-1.392752638	-0.836251021	1.104473313	0.3640802623
## 891703	2.86806475	0.268408338	-0.468574962	-0.245287741	0.5574288140
## 891716	3.36288672	0.806890637	-0.806369895	1.662223414	-0.0505417655
## 891923	3.31208587	1.440908382	-0.583119519	1.783361666	0.0192555651
## 891936	4.76551701	0.542484530	0.893082182	1.729539559	-1.0008319932
## 892189	2.38378528	0.823391074	1.982219343	0.055206875	0.5052838506
## 892214	2.78464581	2.530807159	-0.883257225	-0.259446372	-1.6463839898
## 892399	3.39085817	-0.753301131	1.770235939	-0.276430081	1.0849483019
## 892438	-6.58444233	1.483557076	0.361022239	1.187401386	0.1208047145
## 892604	1.45405111	-0.591422478	1.145332613	0.078947827	-1.0867825344
## 89263202	-7.17661843	-0.055097580	2.011148288	0.082703332	0.6651964595
## 892657	3.57568917	-0.890799182	0.261257526	-0.253872371	0.5990662990
## 89296	3.05434514	0.179055836	0.621226832	0.261168580	-0.8959467593
## 893061	3.07173303	0.305789373	1.258146621	-2.206685025	0.6058786167
## 89344	3.85015201	1.523386003	-1.143503482	0.814334011	-0.4926180820
## 89346	5.38551771	-0.555766489	0.559577694	0.471440565	0.3994468273
## 893526	4.65358767	3.062692587	-0.075942289	1.507190163	-1.2716964644
## 893548	4.02400169	2.540671520	0.352906609	1.513056174	-0.6669118526
## 893783	3.34487880	0.068502773	-0.269955756	-0.627084568	1.1246979202
## 89382601	3.29694105	3.135950089	0.148761476	0.741837997	-0.3941040424
## 89382602	2.13452598	0.004388987	-0.055090483	1.786540911	-1.2993021931
## 893988	4.03446724	0.240486452	-1.326959165	2.438086999	-0.2771454326
## 894047	3.76210430	-4.394333943	3.946735131	-0.306998155	4.7854456445
## 894089	4.86695697	2.337158334	-0.168146877	0.694278950	-0.8202171408
## 894090	4.74307511	1.796820963	0.169570993	1.550246788	-0.5346670358
## 894326	-1.89365006	2.390134936	-1.675017462	0.711402276	-0.3830648490
## 894329	-1.57154834	-6.503377021	2.165253786	0.030049446	-1.0524851013
## 894335	4.02308037	1.400973753	3.183698584	0.019535088	-0.1794905224
## 894604	1.29372783	-3.467757378	1.108552569	0.766005357	-0.2103251163
## 894618	-1.83322742	4.317723823	0.316406925	0.996312898	-0.2544647520
## 894855	1.80878902	-0.395858988	-1.229252510	1.275533990	-0.0070705863
## 895100	-7.23012357	0.035670411	-2.838568987	0.038607870	2.4525784786
## 89511501	3.14288478	0.741873771	-0.861593396	0.754499772	-0.2998611546
## 89511502	2.88472980	0.464323069	-0.475325102	0.761631787	0.8524662824
## 89524	3.14688506	1.769691255	-0.035802185	1.505914596	-0.3529936101
## 895299	4.62431058	1.834004631	0.064174505	0.094110332	-0.7997554706
## 8953902	-2.24853190	0.348229535	-1.063814825	-0.231555660	1.0036176419
## 895633	-2.10594822	-1.120987593	1.773597643	0.262444379	0.9599662498
## 896839	-1.78437991	0.268984957	-1.721001037	1.031779098	-1.1840685475
## 896864	0.52723271	-1.264758769	-0.919631937	0.429094010	-0.5602900988
## 897132	3.21067592	-1.102473082	1.610564041	-0.486005834	3.4562087554
## 897137	4.38256677	0.760434627	-0.400245248	0.586341023	0.3762481427
## 897374	3.80666840	0.909118626	0.442778081	-0.949587668	0.3513268837
## 89742801	-3.31675558	1.575666422	1.359532256	-0.693532863	0.9081313503
## 897604	2.39117199	-0.989160421	-0.756844005	1.553615921	-1.4301998125
## 897630	-4.67605183	0.967741443	-0.291016193	-1.073327945	0.1324405011
## 897880	3.06499827	-1.134839030	0.374293207	-0.626302932	1.4424249065
## 89812	-7.34675421	5.238014242	0.316677175	0.431659928	0.7054132905
## 89813	-0.29505357	-0.226735533	-1.088458865	0.946589841	-0.7284538257
## 898143	1.93726491	-2.542750760	-1.000543159	0.025717223	-1.2050388549
## 89827	2.07535283	-1.804931340	-1.166053416	1.141225718	0.4132078419
## 898431	-4.97078859	1.331400687	0.870211875	-1.290995242	0.9611232170

## 89864002	2.17500311	-0.958068260	-0.234058923	1.852842435	1.4804780811
## 898677	2.42941383	-3.444173357	3.453905770	0.493225969	1.0448376978
## 898678	3.36500493	0.562434015	-0.192404359	-0.569877839	0.3514194212
## 89869	1.20553704	1.315886497	-0.929922572	1.703291193	-0.7180879050
## 898690	3.32315522	-0.474753848	-0.897496041	0.812772706	0.5848648524
## 899147	1.92709976	-1.460184989	-0.100554033	1.819163615	1.9342391900
## 899187	4.03828183	1.355724562	0.537868401	0.833178809	-0.1785899127
## 899667	-6.17684877	-5.103514894	0.520682438	0.939912167	0.6059916654
## 899987	-10.92468559	3.699998472	-0.890910165	2.341447352	0.4883558953
## 9010018	-2.11663452	-0.296368297	0.866722769	-1.449012414	0.5390360723
## 901011	3.00954689	-0.243545681	1.981989096	1.678249015	-1.7021761518
## 9010258	0.98178471	-0.796551513	2.367338148	0.156784682	-1.5450702314
## 9010259	-0.35757923	-2.125968004	0.707586438	0.184582384	0.1024797906
## 901028	3.19111003	1.847526445	0.099310968	-0.022762481	-0.1788449118
## 9010333	2.99060189	-1.629958015	2.554470244	1.344703963	-0.0407045185
## 901034301	3.19110631	-0.578830133	0.489333658	0.044554975	0.7229711106
## 901034302	4.58792496	2.758699732	0.979680613	0.362519486	-0.2198878361
## 901041	2.48373073	1.187894183	0.348470172	-1.255187427	0.1292803966
## 9010598	2.39655663	0.250524355	-0.326850211	-0.277129058	0.3545026443
## 9010872	0.77892982	2.122475872	0.320506876	0.079179253	0.0857346246
## 9010877	3.13722800	1.486714010	-1.197824530	0.453050754	-0.8401627046
## 901088	-2.73260737	3.941699950	-0.017154393	0.299846924	-0.2830181364
## 9011494	-6.22155168	1.388887616	2.731833465	-1.092200460	0.5821459417
## 9011495	2.22182078	0.356846723	-1.100713817	0.186058986	0.2390645934
## 9011971	-5.30247440	6.717504288	1.484358772	1.774948969	1.0726100091
## 9012000	-7.24162919	3.652255530	-0.155565119	1.225750236	-0.2973284171
## 9012315	-4.20352196	-1.175208822	-1.588620367	-0.977982825	0.1174778025
## 9012568	2.49743889	2.016761090	-0.730631718	1.983278202	-1.1349569236
## 9012795	-3.63181933	1.954720962	-0.828046542	1.378539602	-0.9935467144
## 901288	-3.51615443	3.855214937	-1.021630135	1.382926471	-0.3203822623
## 9013005	2.61264945	1.101505251	-1.239645246	0.908676936	-0.3781480185
## 901303	0.09602363	0.129733431	-1.669994689	1.526133855	-0.4027131208
## 901315	-2.04305926	-6.421169887	1.273001142	-0.109645013	-4.5986701548
## 9013579	3.06405348	2.180177374	-0.278817341	-2.935974046	-0.4728184934
## 9013594	1.60217670	-0.292338995	-1.584830948	0.908898609	-1.2347827015
## 9013838	-3.76262144	-5.980033549	-4.876070721	-1.119887331	0.5637410178
## 901549	0.92475292	-2.300457270	-1.594708683	1.674764766	1.4257318574
## 901836	3.28545874	-0.201134359	-0.627204410	0.612295926	-0.1706180435
## 90250	1.55348525	-0.978996316	1.195507876	-1.773616381	-3.4960491469
## 90251	0.39842934	-2.159312724	-0.944773717	0.372153562	-1.0117604959
## 902727	2.29854534	0.931258175	-1.128959899	1.451099756	-1.5542727004
## 90291	0.54242409	1.315910048	0.994879134	-1.483570015	-0.2027995563
## 902975	2.05700950	-0.320153445	-0.122350756	1.019962435	-2.0773397982
## 902976	3.42150749	2.443368505	0.045009146	0.785450794	-1.6017729103
## 903011	0.47199125	-3.699574203	1.952067274	0.995440694	-3.8110426797
## 90312	-4.69936579	0.195783486	3.753730061	-1.003344863	-0.3283619127
## 90317302	3.64017727	-0.786168171	-1.161124120	2.097029762	0.4236952100
## 903483	3.59152918	-2.602797030	1.850401478	0.089806410	2.4403924824
## 903507	-4.14544978	-0.766814129	-0.887194062	-0.008362190	0.6044479220
## 903516	-7.66539681	0.859727681	-2.151756805	0.254499442	0.2362625219
## 903554	2.00861205	-0.429311811	-0.103997306	-0.160151144	1.5081790902
## 903811	2.91826573	1.698977554	0.295467269	-0.413812779	-0.3635999269
## 90401601	0.50029759	-0.106637635	-1.027843564	-0.304616687	-0.1389987468
## 90401602	1.90981814	0.650821226	1.449013512	0.400350786	-2.0611887662

## 904302	3.78177167	0.325859645	-1.057150017	0.605475000	-1.5248138903
## 904357	2.70601296	0.219472629	-0.314228262	0.055204339	0.0482116178
## 90439701	-6.28414409	-2.034757025	-3.179284831	0.155406788	-0.2023110488
## 904647	3.42775463	0.991737410	-0.731051348	1.342541631	-0.2356318119
## 904689	1.99962900	0.293068594	0.618659534	-0.352201845	-1.1637958353
## 9047	2.47111877	0.334752480	-1.481058853	0.464828450	-0.0489496329
## 904969	3.64405137	1.240273815	1.385405524	1.612540488	0.1728393129
## 904971	2.34412427	-0.682141105	1.131738080	-0.302837266	0.5411994776
## 905189	1.14199209	1.960446508	-1.239628958	1.477776286	-0.4837568556
## 905190	1.34966974	-0.369249002	2.484489568	-1.139714833	-1.9041890533
## 90524101	-2.76094145	1.077685260	-1.178586912	0.413794976	0.1644668356
## 905501	1.96759233	0.175693916	0.420361503	-0.785620740	0.8604953761
## 905502	2.92861019	0.494421191	-1.016176763	-1.684940447	0.5652328718
## 905520	2.92380175	-0.377000536	-0.886014238	-0.115243469	0.9848137147
## 905539	3.99267514	-0.959012260	0.204224433	-1.508902626	-1.7077458028
## 905557	-0.15500167	0.437623166	-0.461040030	-1.453254393	-0.8550878945
## 905680	0.93326963	2.104094210	1.431657320	-2.891717258	1.2742945854
## 905686	1.92792536	-0.891682104	0.042307522	-0.558392976	1.2792046734
## 905978	2.62003325	-2.499901968	2.432858840	-1.876362157	3.1480466996
## 90602302	-5.99833869	0.090949196	1.709697317	0.946542059	1.1740030698
## 906024	2.91930912	0.009204582	-0.900511128	1.789753754	-0.5764724361
## 906290	3.33900683	0.022205192	0.502858739	-1.141258134	1.5633857813
## 906539	2.01314368	-0.777767778	0.125468395	-0.659155792	0.0219104429
## 906564	-1.98671401	-2.314011967	1.235217081	1.768220225	-0.1438692164
## 906616	1.66813615	-0.861560770	-1.009417991	1.322731355	0.2813203167
## 906878	0.37085180	-0.113512779	-0.997485893	-0.155233295	-1.4746581730
## 907145	1.84733447	-2.538995601	2.003584668	0.483946194	3.5055609223
## 907367	4.69890766	0.431922385	0.005300424	-1.369403704	0.0850247711
## 907409	1.28205907	-2.548666752	-0.083786622	0.770833997	-0.5564209652
## 90745	2.31221232	-0.401678043	0.274381769	-1.668994639	0.5362392557
## 90769601	4.65498928	0.781611021	0.191953023	0.493247906	-0.5356508029
## 90769602	3.94000659	2.028231657	0.691127602	0.512954900	-0.3398155529
## 907914	-4.94550694	-3.003421435	-1.752529645	-0.671769430	-2.8622552978
## 907915	0.91499842	-2.476833776	0.362287911	0.261736218	-0.1383500423
## 908194	-4.54511193	0.815283142	-0.518299038	0.915534201	0.0714231738
## 908445	-4.43843746	0.991566424	1.441051113	-0.574529073	0.3572756344
## 908469	2.19305464	1.803766114	-0.434726892	0.953104432	-0.5533135626
## 908489	-0.66385679	-0.436476802	-2.678425146	-0.728585540	0.0277629459
## 908916	2.23890605	0.454189872	-0.465118333	0.188558748	0.8275650396
## 909220	2.12331215	1.193746541	0.489940891	0.854644353	0.1058427332
## 909231	2.61301823	1.830449830	0.763657618	-0.822442197	0.3005228170
## 909410	3.20814515	2.233177743	-0.166078298	1.129064342	-1.2590809462
## 909411	0.30648073	-2.183077955	0.039251705	-0.486027975	-2.0876130896
## 909445	-2.47018342	1.498506224	0.590933256	-2.265358224	-1.4046042766
## 90944601	3.45168126	2.134583340	0.196989342	1.532828161	-0.9420463979
## 909777	3.89709781	-0.730133530	2.134193239	-0.780486142	0.8318195830
## 9110127	-0.98086448	2.208486712	-1.698424795	0.970118413	-1.1822180725
## 9110720	1.25614629	-1.066752885	0.259247160	-1.240660490	0.3928701037
## 9110732	-3.24256054	1.776795240	-1.791577273	-2.482874793	-0.5498682865
## 9110944	1.55585043	1.037014643	-1.300101127	0.621126067	0.3790198963
## 911150	1.24815985	1.587442008	-0.326126484	-0.924508658	-1.5340001134
## 911157302	-4.32784530	4.045772565	-0.192336290	-0.290357973	-0.6103038017
## 9111596	1.07650412	-1.802032564	1.779475879	-1.627520204	-3.7384644652
## 9111805	-2.50954497	2.526584455	0.797500590	-0.822950476	0.4288865709

## 9111843	2.21514321	-0.029865010	0.635900610	-3.373732618	-0.4795727546
## 911201	1.17279871	0.474422064	-0.481147553	2.142074589	0.2430866392
## 911202	2.83380799	1.017230750	-1.485323075	0.456004436	-0.1146041549
## 9112085	1.85545330	1.570011674	0.825756166	-3.926794310	0.2206325260
## 9112366	1.32744636	-0.776412499	1.255653387	-3.782215661	1.2439684480
## 9112367	2.80030738	1.664836753	-0.193847761	-2.231144249	0.2050662449
## 9112594	3.17177797	2.073908798	0.074834422	-1.868185223	0.2091427763
## 9112712	4.08348433	0.484283961	0.630808963	-3.399741429	0.0182086861
## 911296201	-3.47243837	1.671413723	0.856073545	-1.155750941	1.3813559853
## 911296202	-16.30488665	7.769016888	6.229933870	2.326026514	1.7079531344
## 9113156	2.55786437	2.491852880	0.170162861	-2.107901855	-0.9783779753
## 911320501	2.96627878	0.068786611	-0.777727248	-0.046625788	-0.2280062503
## 911320502	2.75500634	1.792341696	-0.757147909	0.024097077	-1.2827836689
## 9113239	-1.36913518	-2.108156394	-0.852969723	-0.723132156	-3.8210171185
## 9113455	0.41729731	-0.116417262	-0.535671262	-0.363878888	-1.5121265752
## 9113514	3.83502421	-0.898388162	0.699948069	-0.219746414	1.3359873635
## 9113538	-5.92575082	-1.227216861	1.720074272	-0.473165926	-2.8810043579
## 911366	-0.64491119	-3.422999542	0.607750202	0.234280083	1.2086350824
## 9113778	2.68148698	-1.442286469	0.339105123	-0.244601788	0.7919949893
## 9113816	2.03986918	0.902461858	2.840741857	-2.883294431	1.0158156443
## 911384	1.39806620	1.770668244	-1.478260847	1.306959009	-1.8037276563
## 9113846	3.53330636	1.245758018	3.382434941	-4.661948944	1.8740788308
## 911391	1.98877953	-1.897792693	-2.029212586	0.911103793	-1.2304717877
## 911408	1.99642872	0.206189711	-1.639882150	1.038296903	-0.9034160493
## 911654	0.52020039	0.972512103	-0.323850426	-0.543521127	-1.4281800593
## 911673	3.16958159	2.087215768	-0.977945244	0.386756799	-1.4182276802
## 911685	2.20077374	-1.284908734	-0.886619084	0.700486694	-0.1796630638
## 911916	-3.82107090	-2.303209735	0.027521977	0.669669644	-1.2886313605
## 912193	2.98286009	0.672747298	-0.589970772	-0.593827781	-0.4615631694
## 91227	2.47887396	2.361880555	-0.432234246	-0.383132558	-1.0372087673
## 912519	1.27099312	-0.509385643	-2.237023334	1.670906156	0.1175030515
## 912558	2.23319191	1.297562775	-0.900644424	0.433712494	-0.1827652155
## 912600	0.05613371	0.227183495	-2.253532782	2.708217480	-0.8010805172
## 913063	-2.31535334	-4.385275755	1.776847691	0.968563355	-2.6430509823
## 913102	2.28232306	2.464672105	-0.820466562	-0.040767325	-1.0918206156
## 913505	-4.75043499	1.488114177	-1.252648906	-0.052540766	0.0965398306
## 913512	1.72479328	-0.997300316	-0.080167877	1.063711106	1.4343549437
## 913535	0.74112965	2.449879331	-1.995953713	-0.457537180	-0.2610613824
## 91376701	2.89176621	0.977084588	-0.804935982	-1.719266485	0.0289580691
## 91376702	1.65306732	4.551659142	0.751661685	1.646873743	-1.4018393993
## 914062	-3.10079133	1.235066483	1.286223339	0.608113830	1.1212732858
## 914101	4.06069761	0.560461075	2.174771231	1.374658804	-0.1992898120
## 914102	2.79087498	1.076940539	0.843799658	-1.109231547	-0.0048653882
## 914333	1.47362330	1.589695437	0.319710133	-0.798129881	-0.1579186103
## 914366	0.22919297	-1.514570755	-2.214334625	0.555081328	-0.2509810467
## 914580	2.55101378	0.763228924	-1.607988258	0.059875184	-0.5054003068
## 914769	-3.71243855	1.057755506	0.521494703	1.395773631	-0.3682903454
## 91485	-5.09036286	2.017432706	-0.708746074	-0.082722167	-0.3834794788
## 914862	0.60008810	0.837717560	-0.686437977	1.154318132	-0.9815689274
## 91504	-2.78794673	-3.382584454	-0.752414277	-1.332009710	1.5841377430
## 91505	1.40753273	-1.504446838	-0.353584900	1.120754558	1.8100776146
## 915143	-7.25279714	5.490904302	1.909245947	1.894050092	-0.3960294570
## 915186	-1.29772469	-7.723057325	-0.688309017	2.890184346	2.0135831354
## 915276	-1.07574673	-8.287483337	0.433810751	1.952471847	1.3946448821

## 91544001	1.24866183	-1.594281055	-1.355282076	0.126156474	-0.0233994859
## 91544002	1.25582341	-4.113567176	-0.412366931	1.053246923	1.1385251781
## 915452	1.16550969	1.664229389	-0.737229323	1.760617958	-0.7377031703
## 915460	-4.09054331	-2.800463137	-0.506987325	-1.975580106	-0.1327084112
## 91550	1.88597978	-1.670721680	0.119692299	1.217144238	-2.5658122684
## 915664	2.76500279	2.159148972	-0.021077623	1.608860107	-0.7157489170
## 915691	-2.22503669	-1.939927827	-2.283594176	-0.339561903	0.5363853531
## 915940	1.13058210	1.409761524	-0.564556376	1.993206904	-0.5280229629
## 91594602	0.73312738	1.941988438	-0.274994234	-0.337526159	-0.6604100570
## 916221	2.33161916	-0.789451973	-0.349735677	0.440471990	1.4212995780
## 916799	-2.69485257	1.942001189	-0.959719996	0.459104689	0.5839845732
## 916838	-3.37604410	2.331377578	-1.200875536	0.553126259	-0.5274167311
## 917062	0.19969487	-1.075413752	-0.672557052	0.627893020	0.8395117260
## 917080	1.17499204	-1.010481061	-0.711142576	1.065131254	1.4206509043
## 917092	1.29150016	-4.959860548	0.345622908	2.238565182	3.8371535988
## 91762702	-8.62316838	3.456410638	-0.178899380	1.176129200	0.0228851505
## 91789	4.42556234	0.785345015	-0.473002900	-0.696004578	-0.1037131678
## 917896	0.61929383	-0.635789842	-0.488421490	-0.015141135	0.1063131129
## 917897	3.24945659	-1.284794677	-0.218284421	0.307537632	0.0993416275
## 91805	3.34997942	-2.670950443	-1.777523046	1.388364375	0.3541295063
## 91813701	0.85904712	-0.096763381	-2.811570840	0.184161855	0.6295214724
## 91813702	3.15384692	0.870776432	-2.193784489	1.448593014	-0.4310565911
## 918192	-0.34622347	-1.539870352	2.843951628	1.908132516	0.5713316529
## 918465	2.45924278	-0.600319751	-1.170435277	2.209110148	0.6913036191
## 91858	1.52875558	-0.404861554	0.603933344	-0.346866279	0.7853562456
## 91903901	1.77202587	-0.803503014	-2.026135257	-0.686728928	0.6155504122
## 91903902	2.67808519	1.483403662	-1.740162222	1.022590841	-0.2972072410
## 91930402	-4.02489378	2.938844225	1.658026507	0.224969353	0.5131432277
## 919537	2.13447312	-1.517245623	0.178807901	-0.500336469	-0.6824469628
## 919555	-5.16086993	2.380108987	-0.421906048	0.882650977	0.2092240560
## 91979701	-0.53546080	-0.380380451	-0.442745212	-1.877719723	-0.2266699710
## 919812	-0.34282174	-3.531373815	0.069607554	-1.549307121	1.9552004887
## 921092	4.19339024	-2.365311059	1.325978010	-2.037710987	1.7603677988
## 921362	1.14182718	-5.594535868	1.299893249	-2.186325923	-0.7649016389
## 921385	1.66401100	-2.387517361	1.500928782	0.875181074	-0.4841195986
## 921386	-1.01082308	-1.091429307	-0.632142163	-1.756972472	-1.0459061568
## 921644	1.29978604	1.819814057	0.372979316	-1.846544182	-0.1994515741
## 922296	2.37134219	1.680097929	0.384190094	-3.014076570	0.0382130321
## 922297	1.66440651	0.213774641	-0.147942249	-0.196878516	-0.5559910407
## 922576	1.92598353	1.136739705	0.477781900	-1.156482818	0.2021640255
## 922577	4.23349159	-0.184110499	-0.326131445	0.587786142	0.7040073381
## 922840	2.67551655	-2.313756961	-0.053800867	0.340150357	-0.4502519824
## 923169	3.83312511	-0.495813665	0.922428047	-0.551386509	-0.0799652223
## 923465	2.54919727	-0.228129228	1.412934778	-1.969057256	1.4550448383
## 923748	4.69079604	0.766803238	1.542607509	-0.778334167	0.7842069600
## 923780	2.02325691	-1.260133116	0.504482203	-1.134529125	0.1141621816
## 924084	2.89340232	1.450359601	0.779859803	-2.967836815	0.3568359788
## 924342	3.49912218	-1.799249342	2.764024589	-0.865545694	0.6248149194
## 924632	2.15201013	0.829339088	0.564300199	-3.009108230	-0.5653278607
## 924934	2.05327740	-1.615038205	1.837342797	-3.110797801	-0.2108571316
## 924964	3.87388097	-1.083301553	1.858308794	-0.433358360	1.6859553304
## 925236	4.06028949	-0.122061034	3.235925374	-3.466133119	2.2399371646
## 925277	0.09858059	0.213372093	0.388587548	-1.011820230	-2.9864399976
## 925291	1.08841850	-1.291711328	1.428122289	-3.369171941	-0.9465087393

##	925292	0.48134743	0.177863190	1.031200235	-2.008512908	-0.3268156112
##	925311	4.86602793	2.129232607	3.411187296	-5.129474909	0.4884909563
##	925622	-5.91241029	-3.479575000	-3.259923297	-3.914141413	-1.7148732547
##	926125	-8.73365338	0.573350185	0.896301447	0.384811315	-0.6784463175
##	926424	-6.43365455	3.573672989	2.457324373	1.176279049	0.0747585153
##	926682	-3.79004753	3.580897052	2.086640366	-2.503824654	0.5102735378
##	926954	-1.25507494	1.900624364	0.562235817	-2.087390339	-1.8084001296
##	927241	-10.36567336	-1.670540206	-1.875379194	-2.353959892	0.0337122683
##	92751	5.47042990	0.670047220	1.489132801	-2.297135901	0.1845409324
##		PC6	PC7	PC8	PC9	PC10
##	842302	1.410183639	2.1574715203	0.398056982	-0.156980233	-0.8766305374
##	842517	0.028631162	0.0133463502	-0.240776600	-0.711278966	1.1060217613
##	84300903	0.540976145	-0.6675790845	-0.097288135	0.024044486	0.4538760367
##	84348301	3.050737497	1.4286536346	-1.058633755	-1.404204115	-1.1159933184
##	84358402	-1.225416405	-0.9353895017	-0.635816609	-0.263573547	0.3773724202
##	843786	-0.450642134	0.4900139551	0.165298432	-0.133355760	-0.5299649041
##	844359	-0.128835073	-0.3013023315	-0.083624609	-0.079954220	0.2189506984
##	84458202	-1.255934103	0.9732434974	0.652763899	0.247965464	0.9997064885
##	844981	0.559052820	-0.2149145974	0.686736938	0.511473855	0.0291618051
##	84501001	-0.723272337	2.5176245802	-0.364827879	-0.716766009	-1.1646060593
##	845636	0.127219899	0.6244628561	-0.165603833	-0.301115608	0.3759046163
##	84610002	0.764194227	0.6655068738	-0.619000411	-0.400588340	-0.3307781202
##	846226	2.592290301	0.9406696600	3.318863750	-0.747130974	0.3955980681
##	846381	1.006774257	-1.7974995418	-1.105684467	0.267389882	0.4391951701
##	84667401	-0.349408795	0.7422274132	0.280679206	-0.674510305	-0.1155553104
##	84799002	0.495342130	0.9142524133	-0.302257713	0.456538430	0.4467643551
##	848406	-0.761520960	-0.0867706702	-0.029483040	0.502783775	-0.4992331367
##	84862001	-0.751827782	0.4415962916	0.413405991	0.018656683	0.3563165037
##	849014	-1.136688687	-0.2510619539	-0.741499503	0.410086322	-0.5708248435
##	8510426	-0.048594023	-1.2006310194	-0.403270875	0.404944121	0.0059203674
##	8510653	0.430462491	0.3381860916	0.861201670	-0.187036602	0.3606065559
##	8510824	-0.769391365	-0.1908707908	0.244247147	0.546415425	0.0076299444
##	8511133	3.020386239	-1.0062943167	-0.104544724	0.168363304	-0.2454047607
##	851509	-0.595316618	-0.0747626295	-0.180094245	-0.363806008	0.6909368005
##	852552	-0.812165001	0.7996017629	-0.419539913	0.810965561	0.0214595144
##	852631	1.183160422	0.6013244034	1.306262282	1.100042783	2.2842657360
##	852763	0.786665153	0.2896641020	0.495541562	0.113090873	0.2951812417
##	852781	-0.906797174	-0.6452669891	-0.340174492	-0.043873679	-0.3961957456
##	852973	0.192679233	0.1609885641	-0.378501497	0.356974453	-0.5691360315
##	853201	0.036227947	0.1838685926	0.218709799	-0.381333094	-0.0364970759
##	853401	0.241867529	0.4615706215	0.291813749	0.284492214	0.1182178679
##	853612	1.233593969	1.9763494638	-0.202453666	0.564148659	-0.2297663753
##	85382601	-0.190839648	-0.8888020606	0.243842164	0.442519010	0.1433737325
##	854002	0.267243832	1.0317090641	-1.141727259	-0.566293378	0.2446991603
##	854039	1.000905829	0.7700944229	-0.210139235	-0.585132155	-0.0747302216
##	854253	2.009267717	-0.7199616429	-1.411392236	0.196789071	-0.7431027433
##	854268	0.568095150	-0.1425954318	-0.488198042	0.390894097	-0.3824484486
##	854941	0.290013739	-0.8043318792	1.707341340	-0.891664549	-1.0876247249
##	855133	-1.493142577	1.2791292757	1.498249655	2.100532774	0.0114924931
##	855138	-1.036438899	-0.1775681622	-0.198083551	0.431153558	-0.4385877226
##	855167	0.928295680	0.0418357439	0.048599880	0.666574547	0.3902914311
##	855563	-2.120772389	-0.4965417472	0.484027443	0.912512891	-0.4303234931
##	855625	4.307303747	0.4337837927	-1.387017258	-0.352517752	-0.9339783433
##	856106	0.242568260	0.6132339088	0.067809257	0.282512565	0.1518262957

## 85638502	0.110049368	0.2333988676	-0.174872997	0.544441256	-0.2067359385
## 857010	0.423532149	-0.7874816331	-0.790091300	0.111457042	-1.0551322678
## 85713702	0.575420451	0.2230057137	-0.867569780	0.328258562	-0.1456716219
## 85715	-0.281861620	-0.1604792421	-0.018943396	0.591809797	-0.1053337966
## 857155	-0.692882067	0.1971605392	0.040044188	0.419441177	-0.6168907916
## 857156	0.544804546	-0.6838772921	0.555862941	0.605703404	0.1987895162
## 857343	0.266013819	0.4536379429	-0.123851495	0.259381187	-0.4343429520
## 857373	-0.256313209	0.4449438979	0.057879905	-0.492076521	-0.2410267010
## 857374	0.629337135	0.0607736151	-0.510873270	0.413623505	0.8230489282
## 857392	0.707227400	0.6479398411	1.537761700	-0.614290601	0.0886086788
## 857438	-0.656077776	-0.2152637743	-0.207515896	0.505338373	0.1085018162
## 85759902	1.277739611	-0.3925629141	-0.745416793	0.301153902	0.0751610030
## 857637	-0.178434830	-0.1853434904	-0.309233059	0.012534355	-0.1128753503
## 857793	0.461927636	0.5362098378	0.951178388	0.073379908	0.1941817154
## 857810	0.705119501	0.4873781448	-0.297723909	-0.127261763	0.7362638224
## 858477	-0.900267281	0.4064726785	-1.225062124	0.345609537	-0.4642608787
## 858970	2.538550035	0.7457813449	0.909941133	0.262199059	1.3178790775
## 858981	-0.815018482	-0.3959097935	-0.230734976	0.102956869	-0.9272860914
## 858986	-1.218994501	0.8193030850	-0.330742314	0.528189577	-0.4855301241
## 859196	2.955682829	0.2103798445	0.627427082	-0.232120660	0.0413657355
## 85922302	-1.242117920	-0.0057834579	-0.385706296	0.801372546	-0.1817471124
## 859283	-0.727422417	-0.5309593004	0.474393258	0.003939003	0.1728882560
## 859464	-1.188527693	0.1693780934	-0.029824460	-0.111145907	-0.2713131090
## 859465	-0.405353080	-0.5265287503	-1.082071976	0.427426065	-0.3912329742
## 859471	2.213816387	-2.5787909992	-1.298010892	3.780791875	-2.7357511959
## 859487	-0.433947228	-0.8493285940	-0.334869937	-0.004978691	-0.3104418547
## 859575	-0.291543973	0.2832433298	-0.086188560	0.326867199	0.0333168740
## 859711	-1.638316786	2.4262266414	-1.317108728	-1.883468421	3.1898325590
## 859717	-0.539586813	1.5624901202	-0.593662500	-0.672507942	0.0611282077
## 859983	-0.919638446	0.6971724884	0.393036492	-0.357905538	-0.1474184494
## 8610175	0.034838302	0.1200189004	0.459971988	0.314694924	-0.0155400843
## 8610404	-0.994688029	-0.9081210535	-1.100360740	1.244777578	0.0926553152
## 8610629	-0.612562561	-0.7756714142	0.246838044	-0.772831741	1.5166900630
## 8610637	0.682870529	1.3985754634	-0.719241167	-0.096664805	0.5085691762
## 8610862	4.876508199	-1.1544779461	-0.483077495	-1.170391748	-1.3237161139
## 8610908	-0.072350138	0.0536554932	0.355866547	0.048832592	-0.1077491295
## 861103	-1.501869476	0.1435614258	0.486258862	-0.122378079	-0.0390292436
## 8611161	0.138012244	-0.3263920580	0.151919734	-0.226864771	-0.5036154424
## 8611555	-2.186236690	0.0355707110	0.547079286	-1.647859246	0.3961746350
## 8611792	-1.421297891	-0.0432176692	2.012767522	-2.966728252	0.0222412116
## 8612080	0.882263930	-0.2550878307	0.229994161	0.423649141	0.1477716874
## 8612399	0.967176566	-0.1536701262	0.192125163	-0.083450911	0.4426520533
## 86135501	0.567360307	-1.6613223577	0.349250281	0.571523884	-0.1210561314
## 86135502	1.560091353	-0.1983680707	-0.643025712	0.183841722	0.4623711739
## 861597	0.223702425	0.0769126070	0.148776905	0.262252261	0.4555666494
## 861598	0.842299884	-0.1736551116	0.614011283	0.283254129	0.3987023515
## 861648	0.325518164	0.2995505173	0.128752056	-0.246304891	0.5210683990
## 861799	-0.199459121	-1.7255946363	-0.786058401	0.116745956	0.1441268207
## 861853	-0.292110132	0.0957807360	0.413725996	0.390523505	-0.5899606072
## 862009	-0.321113861	-0.5677543179	0.395718555	0.058107568	-0.4912485698
## 862028	-1.066707998	-1.0421552988	-0.283564277	0.637899776	-0.2969722678
## 86208	1.783555798	0.0004244298	-0.292506839	-0.580370555	0.4991648297
## 86211	-0.096852967	-0.0225249946	1.596299697	0.179428829	0.4099629648
## 862261	-2.351934315	1.1157841763	0.148452301	-0.906614963	-0.3165086702

## 862485	-0.430903499	0.4844971328	-0.290694588	0.057293175	-0.3825068496
## 862548	-0.853188272	-0.5060704070	0.634423963	-0.237141676	0.1392901935
## 862717	-0.595802895	0.0029648840	0.062601958	0.797723981	-0.2095356865
## 862722	-0.899700995	1.4116521142	0.324334412	-0.505544952	-0.1898542596
## 862965	0.342937555	-0.2377974400	0.513345470	0.454774516	0.1528759939
## 862980	-0.991047162	-0.5084776263	-0.051816347	0.885904532	0.1673165990
## 862989	0.940750946	0.1577998775	0.592437419	0.477922672	0.6483605373
## 863030	-2.202856495	0.5190182681	0.919491499	0.024774004	-0.5966611023
## 863031	-1.608771501	-0.4979118440	0.452844869	0.527102050	-0.4592233167
## 863270	0.359599477	0.1231328050	0.263560697	0.289616641	-0.1759008102
## 86355	1.020860934	-0.0954075198	0.767942841	0.627017416	-1.0979068211
## 864018	-1.439608866	0.2115695617	-1.388075349	0.448512027	-0.6290141193
## 864033	-1.095444306	0.2037178296	-1.218964989	-0.570481422	-0.7426654271
## 86408	-1.458702835	-1.0401187280	0.120431563	-0.227163027	0.3361622567
## 86409	0.833123888	0.4111745398	0.970303417	-0.535303964	-0.2484248020
## 864292	-1.261777184	0.1057625720	0.713697894	-0.410313572	0.6957360576
## 864496	-1.706440486	0.5119879213	-0.337466388	0.678858808	-0.4910440978
## 864685	-1.337752701	0.4595072608	-0.488509104	0.354100824	0.4414446401
## 864726	-2.293687595	-0.9185965070	-1.898086528	0.154241095	-0.4446864733
## 864729	-0.767555623	-0.2067958374	0.209629326	0.284564474	-0.0334444954
## 864877	-1.492492721	0.4264319465	-0.275527717	0.357573419	0.0964420085
## 865128	4.975158195	-0.9917687699	-1.044205851	-0.483438131	-0.3707162449
## 865137	-0.438000429	0.0569341545	-0.463647307	0.245730642	-0.4929124233
## 86517	-0.579613971	-0.2505498519	0.361729650	-0.241886354	0.1402872611
## 865423	-0.946220851	-1.2957391097	-0.792061520	-1.694971898	-0.0776531867
## 865432	0.180693692	-0.5030415897	1.294717404	-0.091526472	-0.3633815227
## 865468	-0.247250211	-0.1912870373	-0.070698364	-0.197988493	-0.4727441430
## 86561	-0.226920405	0.3213445519	0.269963020	-0.171115561	0.2946382608
## 866083	0.148751350	-0.0415938395	-0.272031126	0.771906177	-0.0588503290
## 866203	1.467236870	-0.1445960967	0.172105084	0.253497334	0.2448693537
## 866458	-0.533827466	-1.2652594966	0.721508750	-0.385475878	0.5934329421
## 866674	0.678064911	-0.7403080258	0.634019823	-0.195963883	0.7616033847
## 866714	0.654051923	0.3144589921	-0.222639255	-0.683091883	-0.0068671508
## 8670	-0.785225256	-0.6210090246	0.214754724	0.669006569	0.1309451308
## 86730502	0.686370956	-0.3132321125	0.524909363	0.333859949	0.7119644915
## 867387	0.246141926	-0.8388130034	0.525219945	-0.232429603	0.2414018451
## 867739	-0.384108551	-0.1387712566	-0.400629913	0.015768321	-0.1420031613
## 868202	-0.711654240	-0.3170822284	-0.423054123	0.296085713	-0.1660916070
## 868223	-2.039215085	-0.0047169897	1.745367912	0.054013249	-1.3406194472
## 868682	0.067229553	-0.4386830029	0.624428298	0.431789796	-0.1857668917
## 868826	1.472940622	-0.5628536813	-0.555419588	1.433116172	-1.8906385275
## 868871	-1.755538141	-1.3946449979	0.617942137	0.193853924	0.0783272296
## 868999	0.931116209	1.1324945722	-0.264624374	-0.047778911	0.4226037049
## 869104	-0.173947054	0.5618521558	0.297047282	0.162636806	0.0261558272
## 869218	-0.778202592	0.1691115541	0.976926700	-0.507861462	-0.6639930913
## 869224	1.073297753	0.0989681910	-0.372823313	-0.071154664	-0.2542790364
## 869254	-0.099111239	0.3467449413	-0.147442289	-0.015463023	-0.7720259012
## 869476	-0.382201396	1.3607862474	-0.371332854	-1.206190790	1.1885364740
## 869691	5.129714191	-0.7872305021	0.097521762	-0.086192705	-0.6385226560
## 86973701	1.553852814	0.6731568921	0.319662491	-1.417845937	0.0564845959
## 86973702	-0.352050345	-0.8854496990	0.372603697	0.234052632	-0.2163808465
## 869931	0.408442142	0.4895595362	0.223726132	-0.053221807	-0.1308288722
## 871001501	1.498389276	-0.8305491921	0.805487601	1.033081869	1.1995311622
## 871001502	-0.563724446	1.6243774954	-0.607342092	-0.282872795	0.6994208962

## 8710441	0.814014293	-1.6795722858	1.612763338	3.684764211	1.0737087368
## 87106	0.154082267	-0.5847800143	-0.491749917	0.213116694	-0.0635198173
## 8711002	0.970037522	-0.4276196991	-1.276188474	-0.121835356	-0.4266320967
## 8711003	0.864745584	0.1069268147	0.109240323	0.453530595	0.4909214506
## 8711202	-1.035185529	-0.3174416715	0.420352680	0.213503999	0.2869782720
## 8711216	1.296096186	-0.2213926516	1.237220024	-0.004753582	0.0768239658
## 871122	-0.413587977	0.1419468227	0.121703479	-0.083959957	-0.1483935553
## 871149	0.153281267	0.9054318895	-0.623447958	-0.044924496	-0.3461897877
## 8711561	0.588778074	-0.0348880820	-0.015419238	0.186223933	-0.2572771820
## 8711803	0.588871013	-0.8310914625	-1.017671016	0.523162928	-0.0911605179
## 871201	0.343422459	-0.0707133402	0.641697510	-0.013645624	-0.3983688340
## 8712064	-1.889969783	0.0290416393	-0.417881679	-0.629496118	0.0577694399
## 8712289	1.042121842	-0.0704226922	-0.832185834	-1.088425879	0.7422035975
## 8712291	0.723455982	-0.4223737010	0.138398073	-0.455293689	-0.0506963170
## 87127	-1.686598428	0.2821154593	-0.372316236	-0.110448647	-0.6643564473
## 8712729	0.626105499	-0.3516309352	0.257336906	0.098062925	0.3097561544
## 8712766	-1.976653127	1.5974667481	0.479005437	0.658932179	-0.5988452380
## 8712853	-0.283614915	-0.5536495883	0.912792548	-0.223496888	0.3784836258
## 87139402	-0.044220048	-1.0475041547	0.026274210	0.505731618	0.3347146313
## 87163	-0.422267087	0.0357420256	-0.352737039	0.808130669	-0.4802621497
## 87164	-0.565776004	-0.2672482462	1.064477530	-0.093245598	-0.6385242481
## 871641	-1.342695187	-1.0265266652	-0.442934433	-1.288967588	-0.2346218069
## 871642	1.346133180	0.2723286751	0.164406007	-0.669318625	-0.5370750064
## 872113	0.220842652	1.1241630693	-0.637406602	-0.424652143	0.0577518712
## 872608	-0.388805486	0.7135687514	-0.502118964	-1.248884797	0.1510833104
## 87281702	-0.268706635	-0.9944966018	0.217537500	-0.231151234	-0.4710279564
## 873357	0.925966830	0.4519886400	-0.091733964	-0.179338922	0.1021444906
## 873586	-1.507807056	0.3330008518	0.077576227	-0.396246129	0.2634730538
## 873592	-0.835878816	-0.7140340991	0.801923303	-2.159841626	0.0290996051
## 873593	0.725136194	0.8451468587	0.591019652	-1.014728770	1.2015974832
## 873701	0.094248735	-0.0607585087	-0.365255024	-0.120588274	-0.4112053722
## 873843	-1.003522807	-0.2666554566	-0.089381943	-0.084952464	-1.1914664073
## 873885	0.183576123	0.6909743372	-0.214640324	-0.096784999	0.4605384186
## 874158	-0.793026617	0.4370590422	-1.900279550	-0.315356103	-0.1041326653
## 874217	0.509781798	-0.5622981929	-0.235231929	-0.325336092	0.1245710431
## 874373	-0.634963902	-0.5973256464	-0.160681786	0.540712933	-0.5131869412
## 874662	0.695238561	-0.9098868735	0.019838578	-0.533804197	-0.9625494330
## 874839	0.692017491	-0.1875842559	-0.316611583	0.063671760	-0.2430371800
## 874858	3.668891109	0.4667888874	-1.321343281	-1.944665503	-0.9460823770
## 875093	1.004175357	0.9998306814	0.995368772	0.232326073	-0.1188888078
## 875099	2.091661791	1.1663610596	3.949687763	-2.059344309	-2.6696617876
## 875263	-1.200309594	0.6282875359	-0.457500580	0.252184555	0.0222141330
## 87556202	0.005813478	-0.8631588057	-0.204826688	-0.356562840	-0.4112333371
## 875878	1.207398464	-0.3659380358	-0.113716688	0.329933369	0.1978627710
## 875938	-1.698608135	-0.9030444488	-0.446979767	0.339740677	-0.7976099029
## 877159	1.216994994	-0.0181619840	-0.178446492	-0.124884357	0.5853707934
## 877486	0.321490348	0.1679841528	-0.668695410	-0.891981952	0.3036968071
## 877500	1.218190964	0.0219492848	-0.541114545	0.337415356	-0.1588964980
## 877501	-0.540711745	-0.1667847179	0.291643165	0.597355421	0.6557436271
## 877989	-0.329410354	-0.7272507563	-0.621172092	-0.447107905	-0.4501480072
## 878796	-0.331940888	-2.6682527030	0.260934777	-0.462552726	0.4348839944
## 87880	-1.178677385	0.0130692386	0.157838548	0.532754157	-0.2797121016
## 87930	-0.160348396	0.1870705062	0.068129717	0.533288806	0.1893951033
## 879523	0.042891323	0.3408804873	-1.098677759	-0.280446322	-0.2526169016

## 879804	-0.328051695	-0.4422390617	0.035987807	0.286456784	0.1438416822
## 879830	1.655133960	-0.1692217695	-0.255999646	0.485893978	0.7863878199
## 8810158	1.188797426	0.8614230375	-0.268868458	-0.719578899	0.0280288685
## 8810436	-0.524561146	-0.0988150737	-0.349465313	-0.279453917	-0.5850820279
## 881046502	0.984117981	-1.5402069105	-0.537234103	0.409349077	-0.6771736584
## 8810528	-0.372458536	0.4026089615	-0.245693256	0.147674701	-0.1689819943
## 8810703	-0.876727724	5.4124568722	-1.601546092	1.863118463	-2.5592250517
## 881094802	-4.214059597	-4.0810933903	-4.358470616	-0.658094683	1.7059309508
## 8810955	2.462907510	-0.7760274006	-1.521890501	-0.521797791	-0.2906150561
## 8810987	0.568593508	-0.0375813211	0.444521903	-0.033533870	0.0725430982
## 8811523	0.849146479	-0.9034469827	-0.408260911	0.385297416	-0.2190552567
## 8811779	1.783916798	0.4964759023	0.964015097	0.671555113	-0.2348864080
## 8811842	0.355062946	0.4844374568	-0.320536073	0.443124416	0.7960803929
## 88119002	-0.913070016	0.6709919473	-1.295853267	-0.019650933	0.0057462290
## 8812816	-0.857117020	0.6581421465	0.062330011	-0.626168404	-0.6027208383
## 8812818	0.292755395	-0.1124577318	0.153206926	0.018529085	0.2058319590
## 8812844	0.046760633	0.4462389349	0.165792656	-0.149773741	0.1922274916
## 8812877	0.569291646	0.3320511903	-0.314333010	-0.215946868	-0.0229196017
## 8813129	-0.446353582	-0.0683543013	-0.371168573	0.293040037	-0.2993126563
## 88143502	0.900837275	-0.8016182365	-0.026199906	0.868973747	0.1559299040
## 88147101	-0.690391433	0.5062420785	0.515035942	0.081764424	0.3676489873
## 88147102	0.959424511	-0.0400455864	0.003659275	0.119994088	0.3597261890
## 88147202	-0.085304557	0.6038288041	-0.582829665	0.337061968	-0.3472837941
## 881861	-0.700792123	0.2700147671	0.072412480	0.495533123	0.0191778760
## 881972	-0.804236090	-1.3941815505	0.685226377	0.294524200	0.3136095403
## 88199202	1.516942945	0.5780963622	-0.269711476	0.829990465	1.1753840062
## 88203002	1.038822749	0.6763976986	0.147290366	0.676859609	1.2382494903
## 88206102	-0.890030772	-0.0926084812	-0.237610416	-0.660896047	0.1093584634
## 882488	-0.806029481	-0.1591975032	-1.607654814	0.070038705	-0.2046041522
## 88249602	-1.235632066	-0.1740702317	0.134050863	-0.358511123	0.2935775385
## 88299702	-0.506613364	0.7184808835	-0.698205899	0.159408379	0.5520467724
## 883263	-0.903717776	-0.3234838610	-0.997750278	-0.292941036	0.3083451879
## 883270	-1.290293959	0.0752679863	0.825013438	-0.389172223	-0.5523496558
## 88330202	-0.685112901	-0.2163534283	-0.370994646	0.729965633	1.4467832473
## 88350402	-0.058885827	-0.6896860257	-0.135270646	0.376989944	-0.0245837325
## 883539	1.003687888	0.2324638017	0.025848947	-0.089820951	-0.1378378139
## 883852	0.450052375	1.1164334665	0.340265625	0.229727626	-0.3974829468
## 88411702	1.595210063	0.0810279083	-0.149568201	0.443593566	0.3213134284
## 884180	-0.522270310	-1.3872740609	-0.096569976	-0.855574174	0.4300033612
## 884437	-0.998150469	-1.0888060717	-0.743267755	-0.630228537	-0.9259195171
## 884448	0.628671869	-0.2497484553	-0.329460238	-0.421907737	-0.7932796398
## 884626	-0.207346366	0.7354213374	-0.618596827	0.142529390	-0.9038995527
## 88466802	0.140043001	0.1218586500	-0.272622878	0.609119288	0.3501634761
## 884689	-0.379287969	-0.3312609399	0.477990400	0.578680459	0.0232041342
## 884948	1.143542079	-0.2892828096	0.019289575	1.215491504	0.3076783243
## 88518501	0.571505400	-0.0084180317	-0.048843880	0.811082749	0.1060671975
## 885429	-1.809707548	0.5349981047	-0.952330507	-0.438592865	-0.4041279943
## 8860702	-0.087452080	-1.1187672423	0.345621386	-0.115039522	0.0585142743
## 886226	-0.206007291	-0.2040466544	-0.344470735	-0.098395243	0.1002134806
## 886452	-0.091326697	-0.5442092996	0.052696179	0.438792411	-0.2764020986
## 88649001	-0.106678519	1.3410477484	-0.265822425	-0.490099054	0.6886186372
## 886776	-1.385869456	-0.1099038534	0.949416401	0.023672239	1.0780323451
## 887181	-0.567192615	0.7894890717	1.433308037	1.516262370	-0.1085414992
## 88725602	-1.140588120	-0.0039648327	-0.075112284	0.562144147	0.6858084775

## 887549	-0.490350510	-0.8241070307	-0.298749034	-0.485778469	0.6828238073
## 888264	-0.416633188	-0.2494236088	-0.207117555	-0.348075484	0.3473867744
## 888570	1.476085254	-0.0651095050	0.053026872	0.264119377	0.7556059257
## 889403	0.328246316	0.0299221763	0.212049424	-0.068027290	0.0440478431
## 889719	-0.244151997	-0.6667984383	-0.260732796	0.618202157	0.3259894208
## 88995002	-0.798969733	2.2856565722	-0.444898382	0.640447374	0.5178407826
## 8910251	1.247321486	0.1156640899	-0.144033450	0.360654884	-0.4902625137
## 8910499	0.540714416	0.0930637439	0.615958610	-0.211508964	-0.2076463770
## 8910506	1.777454961	-0.4348833906	-0.097706455	0.149334167	-0.1204520153
## 8910720	-0.530973923	-0.2795294819	0.038370027	0.095345241	-0.3087819605
## 8910721	1.137777811	0.1492725906	-0.141888201	-0.429341857	0.3482367910
## 8910748	-0.282166375	-0.0791985509	0.044264635	0.258342239	0.1089881896
## 8910988	-0.082454948	1.6506700297	-0.134880881	-0.242658491	-0.6487268459
## 8910996	-0.744617791	-0.3062773317	-0.836321069	0.368149277	1.0821009919
## 8911163	-0.715582217	-0.0550843684	-0.119393051	-0.554515615	0.2714144990
## 8911164	-1.359312667	-1.6476780917	0.844245490	0.405610070	-0.1378978996
## 8911230	0.537319419	-0.1768614746	-0.087479840	-0.110728997	0.2011409440
## 8911670	-0.156769522	-1.8725673919	-0.779396667	-0.351923437	0.1590632493
## 8911800	0.233184620	0.1134728330	0.463406890	0.146974944	-0.0629999213
## 8911834	0.915502848	-0.5682843472	0.932033004	0.526729940	0.7322502890
## 8912049	-1.084851887	-0.1857573608	-0.804790729	0.270818544	0.2883866791
## 8912055	1.866934703	-0.2545557542	0.038255406	0.973848011	0.3248817632
## 89122	0.129569928	-1.2765834790	0.054444065	-0.297078738	-0.1025595747
## 8912280	-0.487433642	0.0393713862	0.946383796	-0.634171740	-0.0891777259
## 8912284	-0.001371246	-0.8124335431	0.298426343	0.333751972	-1.1255027577
## 8912521	0.831364802	0.3673441399	-0.004485919	-0.577371216	0.0397140778
## 8912909	-0.296527349	0.8403551858	0.163416046	-0.337454150	0.3308918426
## 8913	0.467795801	0.2450200664	-0.524284787	-0.342791222	-0.4211079082
## 8913049	1.824521023	-2.4466982524	-0.636805829	1.026624574	1.9821273445
## 89143601	1.995111435	-0.4474969098	0.438993216	-0.154339792	-0.1535414595
## 89143602	0.870504292	1.4288153440	0.056604771	-1.772331697	1.6749304819
## 8915	0.245372994	-0.2532806962	0.131339272	0.013100900	0.5285901781
## 891670	0.089387450	-0.2632432645	-0.963857814	-0.475551131	-0.0781849151
## 891703	0.414086721	-0.6568800189	-0.389574742	0.447437433	0.1298348252
## 891716	-0.656055820	-0.1831651809	0.302520981	-0.106866323	0.0604470360
## 891923	0.629424293	-0.0059656014	0.134317338	-0.521742080	-0.2066610311
## 891936	0.962920440	0.2364685754	0.700921264	-0.667458810	-0.8409535457
## 892189	-0.988693412	0.5669876696	1.830877240	0.694029609	-0.5472157675
## 892214	0.942635213	0.7515115049	-0.175107129	-0.008041250	0.4998271246
## 892399	-0.028761357	-0.4132414468	-0.448944354	0.065937661	-0.0979387721
## 892438	-0.892012107	1.1708230247	0.240630468	0.401231594	-0.7912809587
## 892604	1.057049565	0.0641942198	-0.174584753	0.162311622	0.1211142829
## 89263202	0.424230119	0.8009641178	0.689452532	0.179814011	0.4398645110
## 892657	-1.764318755	-0.3089463278	0.389324396	-0.194847252	-0.4738750247
## 89296	-0.524107614	0.7087397770	-0.139625312	-0.164868485	-0.5004026881
## 893061	2.355994261	0.0138795016	-0.129463186	-0.085067064	0.2108086852
## 89344	0.287352467	1.0458411839	0.048345725	-0.373310733	0.5402341226
## 89346	1.475361121	0.9496661823	-0.136253368	-0.293049733	-0.0729297836
## 893526	0.555206557	0.5520636775	0.099323502	-0.477005324	-0.2717178095
## 893548	-0.096172883	0.8390301222	0.333065881	-0.012531062	-0.1732876433
## 893783	1.348798860	-0.3750342427	0.121358042	0.212737541	0.2187874168
## 89382601	0.640709233	-0.1712752620	-0.041463185	0.012850947	0.2322531073
## 89382602	-0.063062086	0.4144020234	-0.299714987	-0.072517447	-0.0724498885
## 893988	1.692163170	0.4138464332	-0.105494615	-0.011203650	0.0929704694

## 894047	0.965426537	0.0242816003	-1.745049356	-2.616377669	-0.2425580614
## 894089	-0.823767200	0.2426330221	-0.067426170	-0.339172721	-0.4694609147
## 894090	0.790884787	0.0580936404	-0.151511818	0.165573364	0.0738077799
## 894326	-0.392077864	-0.5981913512	-0.092751687	-0.095361501	0.3808674010
## 894329	1.107967691	0.2535400835	1.033294964	0.725213626	-0.0372435655
## 894335	0.918487309	-0.2108079992	0.510943642	-1.009637831	-1.0435900733
## 894604	-0.839717979	0.2101197168	-0.007380881	-0.574251329	-0.0623371359
## 894618	1.653345461	-0.7582083636	-0.325742123	-0.083176746	0.7060239933
## 894855	-1.780840926	-0.1290603427	0.721153100	-0.173707173	-0.5799252749
## 895100	2.497823419	-0.8609207404	0.089329955	-0.422982928	0.7628408464
## 89511501	-0.165391824	0.6992422401	-0.028307053	0.080348403	-0.0472513095
## 89511502	-0.306019363	-0.4082098698	-0.011823166	-0.039315377	-0.1435087596
## 89524	-1.161994329	-0.0940292730	0.101312448	-0.818015688	-0.4490053241
## 895299	-0.169471369	0.8785198528	0.075574125	-0.237928202	-0.0648401994
## 8953902	-0.873783104	-0.8699189934	0.601710948	0.317069376	0.0801964858
## 895633	0.056799921	-0.8509265272	-0.509763807	-1.074084075	-0.3657954165
## 896839	-0.130364002	-0.5498907189	-0.153975062	-0.069296560	-0.4632741256
## 896864	1.251070642	0.4213268531	-0.848948545	-0.052247225	-0.2610975143
## 897132	0.859009322	-0.8427620321	-1.032726115	-0.896751382	-0.4990305818
## 897137	0.535295153	0.7321018980	0.070591958	-0.001496864	0.3046607270
## 897374	-0.277500386	-0.1028043410	-0.251533257	-0.417536590	-0.1122292945
## 89742801	-1.171186789	-0.3369893508	1.221789702	0.626654097	-0.8952329706
## 897604	-0.342888793	1.2080801113	0.475067195	-0.913102227	0.5634705913
## 897630	0.503248640	0.1330836287	-0.831947763	-0.337531473	0.1135276446
## 897880	-0.191668549	-0.1697594667	0.758849309	0.241418936	-0.3559199338
## 89812	-1.262075777	0.1690277622	-0.378814788	-0.138532596	0.3758008887
## 89813	0.579500486	0.1083178964	0.256990853	0.255809327	-0.0397007789
## 898143	0.731456554	0.8157567587	0.123534229	0.811545504	0.0162942334
## 89827	0.118133276	-0.0990057335	-0.184177825	0.040445295	-0.4327405001
## 898431	2.579043663	-1.2321200879	0.712326972	-0.775579936	-0.9206243625
## 89864002	-0.768666415	-0.3893955715	0.018800331	0.624350969	0.6546084706
## 898677	-1.007952827	-0.3752347168	-0.933075801	-1.949205608	-0.6491992838
## 898678	-0.040227674	0.4880610951	-0.622764931	-0.303784458	-0.0312109403
## 89869	0.637627242	0.1715272186	-0.605037603	-0.249194299	-0.4076237348
## 898690	-0.881613711	0.0840694378	-0.951022679	-0.116238263	0.1148804416
## 899147	1.313127920	0.1202364501	1.192514395	0.239478450	1.1662413968
## 899187	0.990838126	0.5648967235	-0.666618662	0.239247500	0.3490824551
## 899667	2.459430541	-1.4669198274	-0.268414566	-0.808542976	-1.0643248406
## 899987	0.196263785	-0.1096444713	-0.219649140	-1.761477643	-0.4618662767
## 9010018	-1.731849219	-0.2168000270	-0.862140516	0.588515021	-0.2734208950
## 901011	1.848179158	0.4979044533	-0.319120828	0.358581393	-0.2388524303
## 9010258	-0.253099881	-0.9257667152	-0.247856204	0.071692000	-0.6721084793
## 9010259	0.562703391	-0.9865070284	0.529379640	0.008710522	0.1451343324
## 901028	-0.492383289	0.1775429194	0.372823286	-0.643033117	-0.3497338368
## 9010333	0.616447564	0.5127726501	-0.312525294	0.805940351	0.1839341180
## 901034301	-1.036485505	1.2894520107	0.255403446	0.745715181	-0.7847461519
## 901034302	0.689897235	0.3410957237	-0.353052690	0.065820790	-0.0888106425
## 901041	0.539107939	-0.1461860392	0.383045970	0.070827778	0.2219526587
## 9010598	0.019355922	-0.2921769518	0.461028812	0.079894984	-0.0224846989
## 9010872	-0.892345371	-0.8858311167	0.085595916	-0.738289398	-0.3903247866
## 9010877	0.322633323	0.1555598145	-0.293727223	0.071866445	0.2951562312
## 901088	-0.576806951	-0.6629676646	-0.335487200	-0.455693026	0.3707330956
## 9011494	0.988060282	-0.7970441849	-0.245890513	-0.272785401	-0.3651742847
## 9011495	0.398140618	-0.0645026624	-0.560973305	0.467678796	-0.3926243393

## 9011971	-0.832344744	1.4919773252	-0.496542165	0.708345052	-0.0169532931
## 9012000	-0.477923128	0.8442636938	0.636164367	-0.204859009	0.1625337312
## 9012315	2.667823055	-0.9407899084	-0.869846292	0.423379905	-0.4379865500
## 9012568	0.617275952	-0.4793053363	-0.220678981	-0.323424153	0.3717467237
## 9012795	0.253631779	-1.1782462018	1.518653064	-1.823630553	0.5338030161
## 901288	-1.030121857	-0.7467180332	-0.695323516	-0.378361717	-0.3918087362
## 9013005	1.617443807	0.0938490707	-0.344280981	-0.066635392	0.5216969893
## 901303	0.775977838	-0.2614574286	0.536962646	-0.783668674	1.0015978141
## 901315	-0.062587840	-0.3217196360	0.885498583	1.237510046	1.2853970174
## 9013579	0.048936764	0.3139548052	-0.557032840	0.002152141	0.3847686640
## 9013594	1.034252471	0.2979977108	-0.774880424	-0.414667982	0.3611762162
## 9013838	-0.931622121	0.5558930985	-0.315289940	0.568236652	-1.3305107926
## 901549	-0.413238965	-0.3265681118	0.841546961	0.281467270	-0.2092956126
## 901836	1.511904788	0.1107862663	0.294876597	0.346448987	0.2913150267
## 90250	0.311959374	0.6410425845	-0.019752353	-1.081107861	-0.6097535576
## 90251	-0.535690225	0.8239055160	-0.169622036	-0.256319858	0.1735146645
## 902727	0.514203265	-0.1400589671	-0.134319768	0.133553755	-0.3932263761
## 90291	-0.634221424	-1.2036581988	-0.193479374	0.611419040	-0.2077215786
## 902975	0.836900468	0.5372471084	0.120920306	0.128158478	-0.3976112633
## 902976	1.269631553	0.3369059661	-0.144015062	0.021957292	0.2938631449
## 903011	-0.903282021	0.7048671644	-0.198298707	0.173642809	1.4348701722
## 90312	-0.252360512	-2.5925659101	0.988134973	-0.261475490	0.1414039098
## 90317302	0.156093205	0.3242076866	0.190087018	0.241888734	-0.0729502673
## 903483	-1.848848148	1.5475878305	-0.444033150	-0.620675476	0.8826008510
## 903507	-1.016195655	-0.0050197039	0.316577899	0.564083320	-0.6156462037
## 903516	0.485646865	-0.4029431540	0.372494053	-0.926441986	0.1201789382
## 903554	-0.076639013	-0.5411420517	0.397793364	0.113082074	-0.1676621390
## 903811	0.386466855	-0.6426712317	0.749554481	-0.569956095	-0.1439670700
## 90401601	-0.744129779	-1.0668559939	0.971925397	0.503561293	-0.2890358887
## 90401602	0.203701388	-0.0995017006	0.539132750	0.148387464	-0.2783778826
## 904302	0.073042200	1.2376399689	-0.109921920	0.120093235	-0.1420028943
## 904357	0.168954300	0.6871762127	0.258398388	0.479129168	0.2528963004
## 90439701	-1.256879923	-0.2859010637	0.218312252	-0.496045403	-0.4166135405
## 904647	-0.691195823	-0.0520373351	0.085710694	0.268108418	-0.5865594042
## 904689	2.427978134	0.2056036891	0.168971978	-0.140625905	0.1210694614
## 9047	0.937091754	0.0225694328	0.698185070	-0.069564406	-0.2315344151
## 904969	0.596538718	-0.2936325230	-0.407229995	-0.043375151	-0.6090000775
## 904971	-1.417278885	0.0553933955	0.185171279	-0.011947767	-0.9140086363
## 905189	0.304102683	-0.5350338384	0.436699305	-0.283793452	0.1341185165
## 905190	0.930130928	0.7878753397	0.029225670	-0.455179924	0.0062052408
## 90524101	-0.458760443	-0.7423665358	-0.046636181	-0.192821288	0.8051984520
## 905501	1.585292486	-0.5745969577	0.221364008	0.333111833	-0.2584899018
## 905502	-0.468516238	-0.0341846701	0.193174732	0.476183993	-0.6798151650
## 905520	-0.334162053	-0.0186481656	0.896362158	0.189516651	-0.3990721033
## 905539	-0.285445134	1.2889735007	-0.311529970	-0.208444094	-0.6821807718
## 905557	1.241782183	0.1692927893	0.303507283	-0.023140989	0.4959808194
## 905680	1.625262058	-0.5471226180	-0.849327394	0.368361131	0.2919367892
## 905686	0.116726716	-0.4680111924	-0.667070503	0.265822576	0.6191312844
## 905978	-0.782964929	-0.1884663582	-0.156368535	-0.283818610	-0.0656566128
## 90602302	-0.855452257	2.5023943225	-0.056270488	1.908727005	0.0312926640
## 906024	-0.239599175	0.6754089610	-0.295097428	-0.499193238	0.0692051297
## 906290	0.167610330	0.0754607928	0.124933842	-0.160893226	-0.5877873340
## 906539	0.688714769	0.0754987298	0.045200434	0.778613227	0.3058606674
## 906564	0.133478398	0.3651157986	0.498157183	-0.711742176	0.0052272732

## 906616	-0.239186164	-0.7274351177	0.590751188	0.733215705	-0.1561666581
## 906878	0.475543714	-0.0888980901	0.594727093	0.241075301	0.1971506440
## 907145	0.534064618	0.6990198575	-0.021404230	0.814478925	1.3128052104
## 907367	-0.329783732	0.9938632467	0.373519271	0.178584068	0.3765056070
## 907409	0.269764170	0.5109650849	0.068952658	0.529911757	-0.2080990691
## 90745	0.507927890	-0.1387719046	0.215789438	1.148416888	0.3339800541
## 90769601	0.225843093	0.2262523820	0.059322537	-0.221416174	-0.1343794131
## 90769602	-0.065040152	0.0501820538	-0.579122858	-0.197427671	-0.2002923800
## 907914	-0.306811042	-0.6492623125	0.204735773	0.498195417	-0.3822299065
## 907915	-0.990364525	-0.0511584766	0.093881253	-0.626421919	0.1094714105
## 908194	-0.930064293	-2.2544646797	-0.466263010	-0.779551562	-0.4944820815
## 908445	-0.029941068	-0.3229932215	0.184135669	-0.211715686	-0.1099176849
## 908469	-0.168463334	-0.2352388721	-0.258165645	-0.232065607	0.1692935309
## 908489	-1.081099413	-0.0010498906	0.127505394	-0.009932973	-0.4806494971
## 908916	0.952481157	0.6728863814	-0.317435674	0.138036068	0.5451107699
## 909220	0.195170967	-0.0034491992	-0.433572768	-0.140699333	0.1874799788
## 909231	0.089858744	0.1462143751	0.377690612	-0.542497574	-0.2190587029
## 909410	-0.103500301	-0.2351662467	0.290218440	0.059239661	0.5054990744
## 909411	-1.103172853	-0.1347436553	-0.336778691	0.554968936	-1.1858618222
## 909445	-0.964009904	-0.8135868399	-0.909974880	-0.011726962	-0.7359070393
## 90944601	-0.936292265	0.6826624088	-0.219293278	-0.308724084	0.2824428958
## 909777	0.897031883	-0.8902959516	1.094199056	0.255568406	1.5382410183
## 9110127	0.143526659	-0.4567092765	0.067773791	-0.449875463	0.0829893004
## 9110720	-0.699155425	-0.4977435511	0.227881449	0.450993502	0.6764541937
## 9110732	-0.598086185	-0.4691884880	-0.028367892	0.235193368	-0.1530934151
## 9110944	1.534348384	-0.2905432068	-0.389028021	-0.115317167	0.3463440740
## 911150	0.012054627	-0.1010876325	0.373277438	-0.072018973	-0.8150752476
## 911157302	-1.422336801	-0.6695517414	0.494477666	-0.504225601	-0.3499116171
## 9111596	0.342133611	0.9291469178	-0.519441949	-0.838453134	-0.3223334058
## 9111805	-1.829924638	-2.4021852235	-0.892011579	-0.152064160	0.0759597638
## 9111843	-0.484220288	0.0429605111	-0.189466889	0.115269170	0.4091777819
## 911201	-0.482435963	-0.5070647518	0.404778479	-0.553293100	-0.1734093525
## 911202	0.972979646	-0.1503289773	-0.049308997	0.506948394	0.1720798859
## 9112085	-1.198785425	0.3364916499	0.494756697	-0.147821627	0.1016758719
## 9112366	-0.225426032	-0.7491044280	-0.224370438	0.477457642	-0.5361690702
## 9112367	-0.571668797	-0.3612489115	0.006881983	0.436844123	0.3019340195
## 9112594	-0.482141691	-0.1794272022	-0.043697576	0.510127264	0.6733694070
## 9112712	-0.309548924	0.2304236421	0.114637527	0.665361229	0.3199077091
## 911296201	-0.999041862	1.1146528459	-1.117284997	0.689040819	0.5537425764
## 911296202	-1.123832614	4.9581336925	-0.886731866	3.591598013	-0.5871910850
## 9113156	0.488325468	-0.0462299464	-0.531369578	0.383751065	1.0189269660
## 911320501	0.344589192	-0.0765341769	-1.082624362	0.163092490	-0.4963524427
## 911320502	-0.658253511	-0.3129584449	-0.594959424	0.256698161	-0.1600514117
## 9113239	0.223223930	1.4700860059	-0.804221019	-0.005541270	-0.4061653296
## 9113455	-0.555212156	-0.2170958245	-0.809387767	0.563504122	-0.5881572108
## 9113514	0.076677038	0.6404792504	-1.356209300	-0.068321249	-0.3122139454
## 9113538	-1.099270464	2.0225405128	0.483563669	-0.679068588	0.6046420108
## 911366	-2.425717007	-0.9408861129	-0.133959458	0.374829645	0.0300465387
## 9113778	0.924815954	0.4955679709	0.271493006	1.207045823	0.9402146855
## 9113816	0.104368624	0.3193046533	1.032390830	0.608291184	0.3973472073
## 911384	0.614923390	0.2799737367	0.064837589	0.000246286	0.1024202377
## 9113846	0.889614864	0.9246961441	1.085823439	-1.206656818	-0.4839705795
## 911391	-0.419258899	1.2867603886	0.403282990	0.138807336	0.2209332151
## 911408	0.367305570	-0.3444775333	-0.345062063	0.425223320	-0.3655267250

## 911654	-0.049155752	0.2225068454	0.195224752	0.027736360	-0.4073010683
## 911673	1.337188809	0.5365858519	-0.041952920	-0.041897079	0.7863400612
## 911685	-0.024030956	0.2726963978	0.651189204	0.259076986	-0.5098708464
## 911916	0.808383394	-1.5668970121	-0.294290441	-0.135446630	0.2353454104
## 912193	-0.544923618	0.6168567753	0.360787470	-0.185386117	-0.6053952951
## 91227	-0.020448924	0.5596010017	0.238972704	0.281984868	0.2297284929
## 912519	-0.015465239	0.0341998123	0.556776251	-0.410366430	-0.0001525405
## 912558	-0.163288967	-0.2363141916	1.110535207	0.404965671	0.0866869538
## 912600	-0.959725312	-1.0374933742	0.281339803	-0.273903950	-0.2516387236
## 913063	1.555748208	-0.0074068986	0.103548840	0.620787469	0.0066500562
## 913102	-0.100925216	-0.2480033888	0.236855524	-0.190191595	-0.7367867541
## 913505	-0.355060598	-0.6249667494	0.532054753	-0.572942001	-0.7416972638
## 913512	-0.865293960	-0.3426305869	0.107911866	0.387462633	-0.0895571414
## 913535	3.200742182	0.1681848622	-1.037468192	-0.233454240	0.5205880964
## 91376701	0.211717707	0.6719224926	-0.478277765	0.094544374	-0.0149590726
## 91376702	-0.552916738	0.1223216364	0.339129401	-0.965159125	-0.6851658328
## 914062	0.929231997	-0.1972060738	-0.161505829	0.030338925	0.5659987102
## 914101	0.564240369	0.2686459455	-0.516024743	-1.234008136	0.0270632156
## 914102	0.565106052	0.4685793512	-0.573882748	-0.356776050	0.2895432749
## 914333	-0.437681039	-1.0429086282	0.759487730	-0.479171345	-0.6395383847
## 914366	-0.602030766	0.4096827364	-0.141544270	-0.126704802	-0.5507565750
## 914580	0.213609008	0.0982391416	-0.007360691	0.100535897	-0.5819463924
## 914769	-1.103639415	0.6339022355	0.059087104	-0.286816236	0.3931897963
## 91485	-1.446663003	-0.5729903088	0.649548750	-0.535576844	0.2509909032
## 914862	-0.852480433	0.7049106403	1.345754994	-0.488514486	0.4163000633
## 91504	-0.507970681	0.2069805672	-0.080099530	-0.051659333	0.9747986067
## 91505	-0.241932508	-1.0452388229	-0.209946317	-0.039368061	-0.1874087571
## 915143	0.066333057	1.1529703725	-0.991695109	0.167376682	-0.5695827223
## 915186	-2.200919526	1.0250951989	2.028889513	-0.236610613	1.1453491173
## 915276	-3.508790828	0.6042606963	-1.278500206	-1.872556795	1.0201289746
## 91544001	-0.484723076	-0.1359505647	0.665044251	0.777877875	0.9392975863
## 91544002	-1.947329468	0.4881934312	-0.255064594	-0.906528375	1.2755281468
## 915452	-0.833977551	-1.4088879023	-0.297979389	-0.073731957	0.6470988652
## 915460	-1.602111794	-1.0533691956	0.356568603	-0.428904878	-0.7303104811
## 91550	0.253668588	0.5472551225	-0.542053825	-0.617650801	-0.0916288468
## 915664	0.032979942	-0.8752970956	-0.295663965	-0.033414237	0.3412769300
## 915691	-0.136700223	0.3929176231	0.614735076	0.714787485	0.1215931340
## 915940	0.072494321	-0.1758143289	0.255077079	0.311421297	-0.2139098582
## 91594602	-0.773624515	-0.1454686759	0.499925801	0.270529716	-0.4082811925
## 916221	0.046608047	-1.0005231004	-0.306962199	0.655600375	-0.0907347030
## 916799	-0.491293222	-0.5167539200	0.050028508	-0.131357405	0.2258787420
## 916838	-1.017677377	-0.0261084918	0.443355468	-0.658166813	0.5299438963
## 917062	-1.286369931	0.7480548590	1.375305788	-0.257540461	-0.2080778673
## 917080	-0.265206232	0.1942744924	0.462310866	0.357702019	0.7940768989
## 917092	-0.548135411	-0.8140726857	-0.987108671	-0.070507407	-0.0537361968
## 91762702	-0.006685146	0.9611743974	0.397621795	-1.256638663	0.8486917334
## 91789	0.097095633	0.7218828231	0.508127340	0.060557805	0.3878654534
## 917896	-0.600188263	0.1391868086	0.295156517	-0.243768633	0.0023377369
## 917897	-1.401965911	0.9527774834	-0.299971512	-0.503892654	-0.7846233548
## 91805	-1.210209018	0.8160391133	-0.373064638	0.292981675	-0.3609872357
## 91813701	-0.364718273	-0.0462160782	-0.125638066	0.312293703	-0.2469249564
## 91813702	0.325770470	-0.0944504391	0.149150397	0.318904984	-0.2288534014
## 918192	-1.686010994	-1.7109061685	2.408540813	0.332918111	-0.1176166151
## 918465	-0.851940525	-0.0288485824	-0.205098471	0.032406632	-0.3895059803

## 91858	-1.101161685	0.0869517853	1.295452125	0.161515938	-0.9103205148
## 91903901	-0.289073515	0.4730366470	-0.069618747	0.543463275	0.0572082633
## 91903902	-0.197903630	0.4337496082	0.168973422	0.024829540	0.3191275798
## 91930402	1.934520374	-0.7275859760	0.757319150	-0.175980334	0.2702433954
## 919537	-1.550311718	-0.7176961616	0.139629661	0.188290346	-0.3701820155
## 919555	0.578720770	-0.5430102167	0.951930849	-0.247809950	0.5286878926
## 91979701	-0.523378449	-1.1495594767	1.091132033	0.323915796	-0.1038818740
## 919812	-2.337461193	-0.4830815304	0.501982823	-0.069804388	1.2788258192
## 921092	0.042391707	2.1668488112	-1.479915189	-0.322804378	1.1801175946
## 921362	-1.158207647	0.1913668076	-1.796559226	0.876067543	0.9484780485
## 921385	-1.188472456	-0.6771595730	0.146514414	-0.291391323	0.1026424111
## 921386	0.425520296	0.3979358310	-0.835301076	-0.383809102	0.6190792834
## 921644	0.765081147	-0.4663049042	0.398228821	0.364670551	0.7941292239
## 922296	0.068753051	-0.4148574879	0.507946096	0.278027691	0.2875814970
## 922297	-0.930763180	0.5238585798	0.300437607	-0.356308724	0.4182343622
## 922576	0.114797260	-0.1161527345	-0.013618636	0.058006015	0.1323174915
## 922577	-0.145962831	0.2596286888	0.149437375	0.564356936	0.5746698535
## 922840	-0.677751360	0.0640445882	-0.970113001	-0.454875027	0.0952997770
## 923169	-0.112569772	0.4740694793	-0.169694808	0.410188208	-0.2194120652
## 923465	0.854769667	1.0210226174	-0.160349809	0.446749349	0.3987268089
## 923748	0.850625097	0.7520064103	-1.069484886	-0.588800008	0.0688498920
## 923780	1.783207929	0.3901520318	0.873654798	0.310967487	0.3653727356
## 924084	-0.582689902	-0.6178681677	-0.938396865	0.362221796	0.4485215927
## 924342	0.411907169	-0.3073955477	-0.357594218	-0.143055766	-0.4514830478
## 924632	-0.549918834	-0.4839795902	-0.892397382	0.435103530	0.2439245685
## 924934	-1.640362885	-1.0878956916	-0.349885533	0.514611257	-0.0049422107
## 924964	-0.814176294	-0.4706597676	-0.071321985	-0.701263764	-0.0705817127
## 925236	0.174755382	1.0763071056	-0.129380621	-0.426655069	-0.2770426795
## 925277	0.012441261	-0.2900018002	0.312069081	-0.067804247	-0.3254840515
## 925291	-1.724352624	-0.3536636324	1.163315907	-0.207312716	-1.3904847631
## 925292	-0.991190143	-0.0485030055	0.195049336	-0.325578857	0.4286949972
## 925311	-1.109815814	0.4879418774	1.288150901	-1.389256180	-1.7451271378
## 925622	1.012707855	0.2712037562	-0.091882489	0.372148526	-0.6298691742
## 926125	-0.300488375	0.0947410215	0.733436507	0.830362739	0.4502424273
## 926424	-2.373104852	-0.5956056075	0.035439747	0.987060511	0.2567626672
## 926682	-0.246493221	-0.7156966020	1.112380784	-0.105114917	-0.1085369986
## 926954	-0.533977345	-0.1925887705	-0.341586475	0.393570521	0.5204194692
## 927241	0.567437190	0.2228855560	0.279992246	-0.541558028	-0.0892176149
## 92751	1.616415088	1.6974579729	-1.045433644	0.373772231	-0.0476836145
##	PC11	PC12	PC13	PC14	PC15
## 842302	-0.262724285	-0.8582592992	0.103296775	-0.6901967966	0.601264078
## 842517	-0.812404827	0.1577837523	-0.942699807	-0.6529008436	-0.008966977
## 84300903	0.605071514	0.1242777100	-0.410265611	0.0166650952	-0.482994760
## 84348301	1.150501182	1.0104267377	-0.932450704	-0.4869883986	0.168699395
## 84358402	-0.650787016	-0.1104182769	0.387606915	-0.5387065429	-0.310046684
## 843786	-0.109669824	0.0813699015	-0.026251351	0.0031339435	-0.178447576
## 844359	-0.393343607	0.2419761651	-0.351941936	-0.2216015267	0.060855369
## 84458202	0.196313828	-0.2777917914	-0.460630835	-0.0961356710	0.187478261
## 844981	0.560021577	0.0788169039	0.493001875	0.1120530076	-0.034237132
## 84501001	-0.548555069	-1.0841629631	-0.375475245	-0.0006033716	-1.206141020
## 845636	-0.294276512	0.6099198621	-0.692298563	-0.1301140961	0.091099184
## 84610002	0.150099383	-0.8725334105	-0.978852628	0.4132851288	-0.076575493
## 846226	1.119190867	0.0520074379	-1.983208918	-0.2667913889	0.492408131
## 846381	0.853628961	0.0628135272	0.194455743	-0.1212264306	-0.151174299

## 84667401	0.637371253	-0.5439530565	0.152152510	0.0208341513	-0.504094726
## 84799002	-0.089892055	-0.0929155801	0.272937688	0.4193736451	-0.531937246
## 848406	-0.283115330	0.3228336349	-0.873313571	-0.2068809463	0.026977460
## 84862001	-0.077022788	0.1450773283	-0.056826726	-0.5557727446	0.357788221
## 849014	-0.382631859	0.0680073259	-0.762829689	-0.1781151366	0.186075363
## 8510426	-0.087947737	-0.3232036086	-0.240304220	-0.1497219434	-0.277740235
## 8510653	0.252743308	0.1820993618	0.534747411	0.5364927035	0.630306593
## 8510824	0.295829357	-0.1193713638	-0.105109885	-0.5505241800	0.208888166
## 8511133	0.747761739	-0.7897394650	0.018967583	-0.3939657391	0.178368816
## 851509	-0.845138812	0.1995874763	-0.760017755	0.1495561475	0.585041105
## 852552	-0.600095326	0.2321645154	-0.719018102	0.0560160318	0.622570169
## 852631	0.196585356	-0.8095860291	-0.394727262	-0.9305675819	-0.282237083
## 852763	0.441362589	-0.9739851395	-0.516422067	-0.7074323955	-0.383724915
## 852781	-0.412668030	-0.3158058348	-0.298472337	-0.2950812415	-0.235804579
## 852973	0.370382886	-0.1246372082	0.129900549	0.1958202715	0.175956263
## 853201	0.246904961	-0.0031839923	-0.222279620	0.1283529520	0.091747519
## 853401	-0.496378073	-0.1044630774	0.885636344	0.0692396351	-0.376293016
## 853612	-0.756864461	-0.2657615457	-0.522186276	-0.3000453967	0.072356014
## 85382601	-0.585836567	0.2547032178	1.119529771	0.2184706425	-0.403789163
## 854002	0.077919478	-0.1992975316	0.307173136	0.2036374012	0.068495324
## 854039	-0.326307877	-0.4066154950	-0.351748055	-0.0564880712	-0.224784255
## 854253	-0.328257659	0.2292843967	-0.619894462	0.2143138994	-0.067766013
## 854268	-0.217741168	-0.0195015091	0.032551005	0.1704452228	-0.479641248
## 854941	-0.032328754	0.4115801153	-0.245663247	-0.3627028769	-0.150524126
## 855133	1.047288688	-0.6130946673	-0.290379074	0.1249868104	-0.401912364
## 855138	0.591014507	-0.0004681369	-0.235544182	-0.4578511130	-0.668135575
## 855167	0.145009410	-0.0423201249	0.029903294	0.0054147710	0.005022251
## 855563	-0.115306889	0.3312318699	0.019742154	0.2321540822	-0.128765770
## 855625	1.277954488	-0.8309410010	-0.922742372	0.9892697016	0.220725927
## 856106	0.160272727	0.1311301054	-0.144226466	-0.1816995714	0.160135565
## 85638502	0.240085901	0.1091591008	-0.164573360	-0.0950096841	-0.193897144
## 857010	0.003089503	-0.1206287088	-0.149769253	0.3143049855	-0.268535008
## 85713702	0.090090936	-0.0249037139	0.378695789	-0.2394451655	0.277696370
## 85715	-0.289430944	-0.0732252281	-0.561084977	-0.2625113637	-0.646184357
## 857155	-0.324354020	0.0931121402	0.393569102	0.5995102295	-0.169047859
## 857156	0.237322628	-0.0116411885	-0.208908133	-0.1508619753	-0.058578846
## 857343	0.639460669	0.6058597387	0.224644982	-0.0446479438	-0.040260858
## 857373	0.079686662	0.0240053741	-0.377273811	-0.4453178247	0.108861412
## 857374	0.025165467	0.1593213356	0.246020193	-0.5093448931	-0.077987883
## 857392	-0.274018692	0.6533266173	0.601165133	0.6072878098	-0.501815152
## 857438	0.058487255	0.2677384961	-0.399395210	-0.0450747265	-0.036176457
## 85759902	0.197754405	0.5401834853	0.058602197	-0.1399689340	-0.349863814
## 857637	-0.605550553	-0.1156566994	-1.096994917	0.1275301954	0.597982425
## 857793	0.381160012	0.2814152874	-0.376294366	-0.0229779469	-0.331463457
## 857810	-0.228334046	-0.1991733623	0.421272292	0.2167665417	-0.342304785
## 858477	-0.621205924	0.3367435600	-0.148838932	-0.4425445128	0.511520357
## 858970	-0.369405174	0.4379929489	0.090549052	0.3353742675	-0.536697760
## 858981	0.341145747	0.3759209730	0.161076437	1.1878815701	0.321697375
## 858986	0.717323304	-1.1859167706	0.589385595	0.3030289831	0.129915286
## 859196	-0.511053316	-1.0091261525	-0.229682636	-0.7934928857	0.139211976
## 85922302	0.223067407	0.0582255955	-0.512702935	0.1419434406	-0.178536288
## 859283	0.510796559	0.5421158683	0.129143047	0.1548683357	-0.008334256
## 859464	-0.231340120	0.1520401549	-0.494456567	-0.0986237426	0.137340458
## 859465	0.171674515	0.0917544994	0.214040320	-0.4676657086	-0.320276347

## 859471	-2.301916714	1.9478812125	1.103679434	0.2450717685	1.060326663
## 859487	0.131584973	0.5400548609	0.277961017	0.1141297357	-0.357009919
## 859575	0.428848750	0.2049555851	-0.371823339	-0.1793614799	0.291771882
## 859711	-0.057789430	0.5105820620	-0.335217803	0.4799300038	-0.246973803
## 859717	0.018812465	-0.7441487192	-0.132429495	0.9380256690	-0.369608299
## 859983	0.379838236	-0.1163449791	-0.053581681	-0.1557475752	-0.059940319
## 8610175	-0.007559389	-0.2732435321	0.012174976	0.2578796832	-0.032393640
## 8610404	0.140571180	-0.7691753712	-0.428252247	-0.1639715182	-0.078397551
## 8610629	-0.408291577	-0.3217815151	0.814890878	0.8570418853	-0.590679517
## 8610637	0.845106205	-0.7038553721	-0.692840046	0.3237751499	-0.106235419
## 8610862	1.209082105	1.2860572446	1.339239602	-0.5384927467	0.904755029
## 8610908	0.127065020	0.1355485485	0.028337746	0.5169396446	-0.020759654
## 861103	-0.786967580	0.0345574874	0.033439840	0.1843125970	0.447952176
## 8611161	0.195944932	-0.3957884419	-0.141772499	-0.0148270384	-0.153420304
## 8611555	0.253381955	-0.5690714729	0.753989687	-0.5460281371	0.432021867
## 8611792	0.711729247	1.0499747090	-0.491325487	0.2623538872	-0.562578819
## 8612080	-0.745878240	-0.4598049292	-0.091626105	0.5523153709	-0.050962065
## 8612399	-1.004759517	0.0873877036	-0.757338038	-0.4174802891	-0.021205962
## 86135501	-0.552045457	-0.8029870413	-0.067392082	0.1127709163	-0.092173983
## 86135502	-0.433326769	0.5703689588	-0.119188327	-0.4170696748	-0.396379852
## 861597	0.016642280	-0.3158031850	-0.382598138	-0.4374455309	-0.208840242
## 861598	0.741940542	0.0200969537	-0.065901136	0.8226864857	-0.236364320
## 861648	0.724144967	0.5554322605	0.214432986	0.3277344219	-0.037958812
## 861799	0.937374393	0.4067146390	0.563287417	-0.7725393225	0.029255733
## 861853	0.049407605	-0.6890916537	-0.464225889	-0.4063362427	0.014895270
## 862009	0.148850187	0.1462808064	-0.128365565	0.7090543979	0.102181427
## 862028	0.609344020	-0.7423625667	0.222233620	-0.2428698410	-0.129345613
## 86208	-0.644167720	-0.1613821271	-0.079839276	0.2971928632	-0.073910222
## 86211	0.585191831	0.4438091073	-0.230398088	-0.1827187582	-0.061170624
## 862261	-0.329894644	0.3323522602	-0.138254531	-0.1072538655	-0.178613587
## 862485	-0.146550183	0.0692879791	-0.002258044	-0.4559046799	0.100650887
## 862548	-0.407700886	-0.7112958461	-0.473288604	-0.2122558723	-0.075410969
## 862717	0.237747713	0.4271403452	0.204387799	-0.0197655248	-0.095573905
## 862722	-0.610239332	0.4132517311	0.433086920	0.1177467385	0.467007135
## 862965	-0.443071154	-0.2120443990	-0.079804331	-0.2584303490	-0.021044615
## 862980	0.020059110	-0.4442424967	0.246073297	0.1099355080	-0.277245907
## 862989	-0.021288531	-0.1327134811	0.583529561	0.4492001813	0.109180374
## 863030	-0.564911664	0.9193590685	0.012370125	-0.2168197204	-0.865838150
## 863031	-0.154806897	-0.1866572122	-0.633643189	0.4039318163	-0.108589053
## 863270	0.066405975	0.0760311613	0.128667473	-0.0370781851	0.297765381
## 86355	0.090596486	-0.7421530470	1.075751502	0.9368104783	0.533299888
## 864018	-0.320799033	0.1800812978	0.032265835	-0.3023335385	0.215077193
## 864033	0.327746967	0.2046597881	0.120237817	-0.1783615485	0.194251397
## 86408	0.650777643	-0.2933259538	-0.112544389	-0.7586715299	0.283199791
## 86409	-0.284942699	0.7269431412	1.212935475	-0.7159944693	0.251522069
## 864292	0.313444155	0.1805138306	0.390237981	-0.1019964618	0.592050290
## 864496	0.287039611	0.8103129309	-0.230171199	-0.1255945235	0.341881787
## 864685	0.262233097	-0.0114082847	0.074866229	0.6410038747	-0.136567267
## 864726	1.325817930	-0.5164890912	0.796713304	-0.1042779720	1.230334163
## 864729	-0.350864753	-0.3624834189	-0.267331949	-0.0465436932	-0.121090198
## 864877	-0.621096064	0.0271540484	0.412231332	-0.2522319704	-0.251715646
## 865128	-0.461739260	1.1619715314	-0.678297726	-0.0717007331	-0.361842486
## 865137	-0.400226119	-0.3973995978	-0.287870867	0.1832657469	-0.054754724
## 86517	-0.884232338	-0.0265148144	-0.611872230	-0.2217926975	-0.115027379

## 865423	-1.605406626	-1.1915246645	2.585042825	1.4099705217	-0.170480479
## 865432	-0.169709366	0.4297105020	-0.047285037	0.0122072432	-0.036636413
## 865468	-0.362363688	-0.6734598556	0.401537066	-0.1036802249	-0.014825254
## 86561	-0.110403142	0.1048734656	0.245746438	0.2803976055	0.304557047
## 866083	-0.072071812	0.3284031569	-0.153101749	0.1037941218	0.303579465
## 866203	-0.527253976	-0.5854540578	-0.196247938	0.4671088272	-0.058378954
## 866458	1.402586521	-0.2463677463	-0.066270509	0.2971831513	-0.052689797
## 866674	-0.572576039	0.0549812995	1.581189240	-0.0155871349	-0.138038169
## 866714	0.126816678	0.1476258572	-0.512886476	0.5304867215	-0.094368210
## 8670	-0.107029230	0.2008584867	0.446006724	0.1601414909	-0.417882075
## 86730502	-0.317576548	-0.3185102735	0.169930917	0.5385371207	0.257834920
## 867387	0.108520078	-0.2176028380	-0.246663060	-0.1122800805	-0.130306412
## 867739	-0.789606706	0.3201095342	-0.079950656	0.0860593677	0.240075552
## 868202	-0.329505157	0.3784692157	-0.267213663	-0.1702569329	0.026414747
## 868223	-0.353033591	-0.1571192120	-0.825311501	0.3718701966	-0.226420414
## 868682	0.236340337	-0.2435946108	0.154797172	0.2682689068	-0.072006787
## 868826	1.531930455	0.7707769845	-0.892271606	-0.2731473901	-0.350272945
## 868871	0.970602631	-0.9099026342	-0.218520602	0.6656889737	-0.102185136
## 868999	-0.575442560	0.3454684410	0.439023367	0.1286825140	-0.141030598
## 869104	-0.343156256	-0.1147671451	-0.111714903	-0.1119664738	0.188766533
## 869218	0.089613812	0.2591418464	-0.512083663	0.5144532498	0.227154614
## 869224	0.036775131	-0.1562905573	-0.128441182	-0.2541570849	0.301604642
## 869254	-0.172759701	-0.4754195170	0.207302817	0.0873913224	0.051752943
## 869476	0.545356609	0.8622912790	-0.067397491	0.6296050172	0.109547175
## 869691	0.266675473	0.5922329773	-0.613282147	-0.7548395707	0.001306301
## 86973701	-0.336633147	0.3355040357	-0.635699644	0.2328835498	-0.185111431
## 86973702	0.440640427	-0.2167079531	-0.186168597	-0.0918504234	-0.064821094
## 869931	0.216156546	0.0487509004	0.338975688	0.3024316895	0.042148416
## 871001501	0.225107376	0.2011519624	0.451616733	0.6483182707	-0.081813798
## 871001502	-1.883858710	-0.5162678419	0.211840954	-0.4405724174	-0.396785851
## 8710441	-4.876432202	3.6696899639	-1.073732583	0.1126090408	0.052311406
## 87106	-0.063082235	-0.0291023645	0.146254330	-0.0593644859	0.022899677
## 8711002	-0.563183027	0.1984810265	-0.188108879	-0.1526039710	-0.072466719
## 8711003	-0.283355513	-0.1936733563	0.109508898	-0.2004632486	0.056960603
## 8711202	0.513428613	-0.5042363221	0.553244673	0.7053686323	-0.121635286
## 8711216	-0.515292934	-1.1345398531	-0.053939378	0.3936331150	0.386157821
## 871122	-0.227865132	0.0365776243	-0.189581650	0.1166185252	-0.225894322
## 871149	-0.398844589	-0.1954767829	-0.310578956	-0.3335332676	-0.178960133
## 8711561	0.099698087	0.4650163199	0.099488405	0.3445297677	-0.210509494
## 8711803	1.357000000	-0.2047718302	-0.867747813	-0.6261315721	-0.449798994
## 871201	-0.944014228	0.1626078423	0.255858628	-0.2672042032	-0.080772466
## 8712064	0.162634267	0.0759686030	-0.025276560	0.1336082635	0.137099934
## 8712289	-0.489780134	0.1825823628	-1.124863782	-0.5377603796	0.116041790
## 8712291	0.109620313	0.5161052587	0.034472312	0.3811196278	-0.028240701
## 87127	-0.089845835	0.0284098358	0.287059437	-0.0510103836	0.124995004
## 8712729	-0.014198536	-0.4133691845	-0.651871424	-0.0775843489	-0.212245786
## 8712766	0.465146381	0.1401908142	0.286748688	-0.0212027519	-0.220383314
## 8712853	0.143728624	-0.2563406778	-0.014448411	0.5727701136	0.055215331
## 87139402	0.051281260	-0.1958633611	-0.116103049	0.0625618790	-0.167715425
## 87163	-0.333332612	0.1116416150	-0.539899497	-0.0242891297	0.091977503
## 87164	-0.364413383	0.4868152678	0.532103307	-0.3165469086	-0.318353526
## 871641	0.211001158	-0.1842548597	-0.165004650	-0.6447695076	-0.099236083
## 871642	-0.598515985	-0.6850927904	0.808006853	0.1436154067	0.058720958
## 872113	-0.124944831	0.3664054955	0.845792170	-0.3100083917	-0.101113159

## 872608	-0.787484776	1.0356294206	-1.261753574	0.4469427053	-0.205643519
## 87281702	0.163931601	-0.5054315228	0.033485820	-0.2285266260	-0.281137933
## 873357	-0.038496417	0.2570638315	0.551936269	-0.2393680598	0.027923468
## 873586	-0.419867789	-0.2163387111	0.012862546	-0.3492984258	-0.060250651
## 873592	-0.993120046	0.4602459816	0.475762029	-0.2778000954	0.367602552
## 873593	0.858346272	-0.2430450902	0.573328596	-0.5008586213	0.286037154
## 873701	-0.177671601	-0.0913136937	-0.982116044	0.5513046795	0.046563749
## 873843	0.676003971	0.4775175352	-0.213895712	0.2393608117	0.190413679
## 873885	0.073512430	0.4110661206	0.182394733	-0.0916176368	0.092795108
## 874158	-0.743766554	-0.5770899743	0.019703477	0.1296891451	-0.124152313
## 874217	-0.363495591	0.2332040450	-0.009443621	-0.0355881816	0.186982760
## 874373	0.571973775	0.5811657463	-0.203036830	-0.3816654598	-0.081799193
## 874662	-0.590320909	0.3467165180	-0.194244861	0.5081602730	-0.022239934
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## 874858	0.005215540	-0.9856956934	-0.179164188	2.6238251341	0.177985012
## 875093	1.001487773	0.9174199615	-0.646344070	-0.3132076686	-0.536434367
## 875099	-1.643727374	-1.1555118871	0.035642630	-0.8005438352	-0.022724838
## 875263	-0.114908379	-0.3537747957	-0.544544834	0.1232671318	-0.191064014
## 87556202	1.742514555	0.0259122550	0.723434349	-0.0102151078	0.214263644
## 875878	-0.289289560	-0.3395417378	0.069171689	-0.1175130969	-0.064395200
## 875938	0.203635452	-0.1399853829	-0.705965619	-0.2448691221	0.066463292
## 877159	-0.036030520	-0.3066397032	0.413044666	0.7412864140	-0.025616202
## 877486	0.128233805	-1.0366957736	-0.448883841	0.4936670672	0.265808247
## 877500	-0.497805931	0.1017268386	-0.386831755	-0.3577256012	0.209529540
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## 877989	0.400360423	-0.2202371891	-0.510926746	-0.0809381815	-0.148691573
## 878796	-0.414253443	0.2695645954	1.137689346	-0.3415613586	-0.208256526
## 87880	-0.489642714	-0.0024456412	-0.949772260	0.5368268857	0.535594418
## 87930	-0.086160239	-0.0528821445	0.075259789	0.0106035284	-0.097154547
## 879523	-0.217434632	0.0022517410	-0.419715736	-0.0521053261	-0.078692996
## 879804	0.036100754	-0.1032849312	0.162883527	0.3143436566	-0.107107833
## 879830	-0.060619947	0.1227221173	-0.119180292	0.2074798235	-0.340407091
## 8810158	0.579608125	0.5842777514	0.143618810	-0.1926671850	0.431126507
## 8810436	-0.258447343	-0.2139704610	0.045623921	-0.0600426626	-0.083241733
## 881046502	1.042564221	-0.2708401359	-0.673113658	-0.1273722492	-0.092013612
## 8810528	0.185596078	0.2813533509	0.050181061	0.2369583430	0.010685212
## 8810703	0.378647800	0.6986338892	1.967720980	0.2201432654	-1.777001726
## 881094802	0.074426811	-0.4816484060	-0.195342248	0.2994397545	0.267075219
## 8810955	0.026999796	-0.2258723100	-1.030657675	-0.5342329156	-0.262183912
## 8810987	-0.117869827	-0.5693710438	-0.364412148	-0.0970139538	0.122027326
## 8811523	0.037107887	-0.4708908238	-0.613610048	0.3627303654	0.291202340
## 8811779	-0.737024791	-0.2671105881	0.132833852	0.1226388162	0.156988026
## 8811842	-0.218659224	-0.5544294924	-0.654487352	0.1982227827	0.016678270
## 88119002	0.133146590	0.3251239668	-0.408165978	0.5349730435	0.794964266
## 8812816	0.251875834	0.4201197563	-0.033105011	0.2598552476	0.180758856
## 8812818	0.111018352	-0.0748522227	0.544170421	0.5017225831	0.045452753
## 8812844	0.147906291	0.5219320723	-0.057222558	-0.0324141898	0.050810436
## 8812877	-0.378566164	-0.0051948343	-0.393298442	0.2308321636	-0.063945181
## 8813129	-0.222310376	0.1085567292	-0.368785646	-0.1635700971	-0.174469482
## 88143502	0.011238144	-0.4841072131	-0.152834203	0.3003116751	-0.180319687
## 88147101	0.028307023	0.2285370998	0.191438257	0.2878180595	-0.005447322
## 88147102	0.227163102	-0.8053873232	0.065728152	0.1875405430	0.025220601
## 88147202	0.124815567	-0.1637464203	-0.068173073	-0.2339849396	-0.384423849
## 881861	0.150033621	-0.3471637357	0.084740617	-0.2973101241	-0.390209965

## 881972	0.107152583	-0.1383837825	0.371242553	-0.3884448479	-0.432857565
## 88199202	0.224907678	0.1152994696	0.944976877	0.1425949694	-0.064264462
## 88203002	0.359532820	0.8444742313	0.530497679	-0.0869442015	-0.249077120
## 88206102	-0.145978226	0.8549545470	0.320772753	-0.0708573218	0.049900853
## 882488	-0.070091830	0.0968012376	-0.435647328	-0.8890290600	-0.199989406
## 88249602	0.101452920	-0.0700201709	-0.467290040	0.1501055721	0.065417593
## 88299702	-0.179743655	0.2708408362	-0.198851900	-0.6503830808	0.894472461
## 883263	-0.185985434	-0.1485685108	-0.617313619	0.3045750227	0.107068711
## 883270	0.026156528	-0.0918083714	0.626202846	-0.1261223521	0.219254442
## 88330202	1.670502768	1.1137258889	0.439939206	-0.0595138695	-0.199016896
## 88350402	0.302067294	0.1062609923	0.076957775	0.0834415941	-0.234774741
## 883539	-0.223685908	0.3679614257	0.114851710	-0.0936871863	0.108560059
## 883852	-1.249763338	-0.5313896484	0.302250220	0.0908357315	-0.082945912
## 88411702	0.656631641	0.4235582343	0.450563891	0.4915544132	-0.251398570
## 884180	-0.301707760	-0.3197116281	0.536352432	-0.0136000381	0.114760479
## 884437	-0.583530520	-0.2469311618	-0.341687750	-0.4866269748	-0.231380444
## 884448	-0.997376090	-0.3280300433	0.127081608	-0.0984880569	0.149573908
## 884626	-0.247317674	-0.9139279730	0.294411870	0.3773669080	-0.738732372
## 88466802	-0.075030845	0.5391111901	-0.105237330	0.1359436925	0.106120515
## 884689	-0.142407091	-0.1317814373	-0.048761638	0.0646063771	-0.225192995
## 884948	-0.487916827	0.7119559738	1.200822872	-0.0423291312	-0.354106936
## 88518501	0.606535585	0.2118398750	0.243522788	-0.0062904422	-0.082096451
## 885429	-0.542400560	-0.2484511879	-0.290356514	-0.1900281861	-0.495838637
## 8860702	-0.311006957	0.1074263601	-0.344966198	-0.1474764335	-0.363630338
## 886226	-0.465400766	0.3383253947	-0.625446420	0.0787133225	0.033458797
## 886452	0.506819885	-0.0611551555	0.002336691	0.5693310525	-0.055267338
## 88649001	1.077726097	-0.3632959928	0.300653604	-0.0134209695	0.141069776
## 886776	0.318497268	-0.0728833977	0.109352741	-0.2243447591	-0.664863191
## 887181	1.067792159	-1.7642310673	0.653304897	-1.4986102983	0.856219237
## 88725602	0.207160737	0.1835331891	0.304418842	-0.0614828612	-0.333353192
## 887549	-0.504823025	0.7206952430	0.257837824	0.2687455725	0.129701621
## 888264	-0.219073885	0.1956858957	-0.182820090	0.4971824824	0.278756086
## 888570	0.685432162	-0.7913279720	-0.874210469	0.8953497957	-0.241429296
## 889403	-0.443773054	0.0148299550	0.047804028	0.1391822887	0.232038391
## 889719	-0.299673764	0.1858626430	-0.392031761	0.0890324420	-0.067448681
## 88995002	-0.905461006	0.7061305168	-0.642969361	0.2683093331	1.239199859
## 8910251	1.192341833	0.0161626827	0.284311703	0.2031265384	0.071686116
## 8910499	0.017592584	-0.2820297564	0.080407857	0.1085623002	0.267060548
## 8910506	-0.606593334	-0.1257868390	0.075662200	0.7968393705	0.071867751
## 8910720	0.511473102	0.7778741390	-0.074350876	0.7700267780	0.125275388
## 8910721	-0.298193672	0.0579755176	0.356243474	-0.3528919572	0.082279014
## 8910748	0.120110163	0.0904894283	-0.025201055	-0.1093153724	-0.189817621
## 8910988	-0.135749516	-0.4442850198	0.257513569	0.3117147565	0.738063260
## 8910996	-0.889860302	-1.0794848457	-0.238887211	-0.5653113632	-0.273670791
## 8911163	-0.425657843	0.4821448814	-0.416470152	0.1549852920	-0.035283714
## 8911164	0.441427326	-0.7604816486	-0.152942368	-0.0822269180	-0.987721096
## 8911230	-0.588909662	-0.4654702796	0.396591945	0.4649954055	-0.009786149
## 8911670	0.012288404	0.4797731999	-0.192043493	-0.0458847515	-0.240938554
## 8911800	-0.357495245	0.0059732664	0.176125418	0.0638549984	0.170523174
## 8911834	-0.030279831	-0.4804166181	0.053598579	0.2286075149	0.018155883
## 8912049	-0.450334358	0.3657094007	0.153478269	-0.1481606984	0.035348883
## 8912055	0.302521226	-0.8081025245	-0.811773168	-1.1214328985	0.016565912
## 89122	-0.244156007	-0.1381255956	-0.445088583	-0.0915416950	0.343974646
## 8912280	0.317429730	-0.2228483120	0.831383074	-0.1403734243	-0.214943694

## 8912284	0.111997913	-0.4665427996	0.300242703	-0.1404270194	0.290016096
## 8912521	-0.163030750	0.1943291389	0.492611354	0.1480402132	0.045287570
## 8912909	0.570125433	-0.0415064475	-0.674798628	-0.0322582225	-0.159310127
## 8913	-0.035443112	-0.0833957947	0.202037683	-0.3255912438	-0.067758093
## 8913049	0.932867250	-2.0985824713	-0.401508117	-0.0845700532	0.375464341
## 89143601	-0.277206954	-0.0422846114	-0.371415886	-0.2211221276	-0.241763533
## 89143602	0.237326970	1.6735162547	-1.573073843	1.7028543946	-1.033291705
## 8915	0.338431318	-0.4870938128	-0.441684474	-0.0578212808	-0.236739821
## 891670	-0.180312647	0.5953905235	-0.544430507	-0.2023067806	-0.371734841
## 891703	-0.340780810	-0.7285137341	-0.273589930	-0.0334471840	-0.009670032
## 891716	0.392085228	-0.1216187537	0.158672897	0.2577470054	0.355050450
## 891923	0.134962389	0.4682047835	-0.177092022	0.1838994031	0.169196015
## 891936	0.502782270	0.6769980481	-0.097897587	-0.1444918714	-0.277117156
## 892189	0.307321494	-0.1440419354	-0.581013854	-0.2544013287	-0.151602944
## 892214	-0.149692355	-0.5197252999	0.104815532	-0.2706433988	0.099130121
## 892399	1.452522271	0.9968522964	0.748607350	-0.3467296949	0.055333360
## 892438	-0.351114631	0.3595133405	-0.181800706	0.0136505267	0.052748728
## 892604	0.664735903	0.2259499994	0.278140183	-0.0252785162	0.010860867
## 89263202	-0.179573257	0.4081703284	0.531588450	-0.5509165296	0.568468410
## 892657	0.039986224	0.5791866340	-0.074522542	-0.0444773700	0.053932321
## 89296	0.580828480	0.0998787038	0.264726346	0.2065804982	0.091931653
## 893061	0.253060661	-0.1227125073	0.281314491	-0.1043492938	0.097031706
## 89344	-0.250901652	0.2609815550	0.087410800	0.3184795476	0.002361662
## 89346	-0.545581330	-0.2114179787	0.337379256	-1.3662480739	0.412443996
## 893526	-0.232470936	0.0269566899	0.142633512	0.0574317628	0.054087715
## 893548	-0.104002346	0.0792832483	-0.014250504	0.1756854830	-0.215439705
## 893783	-0.320491299	0.0486251311	-0.179464839	-0.1169267606	0.319261972
## 89382601	-0.289201048	-0.3145039817	0.013385423	-0.0210800645	0.121358121
## 89382602	0.084866691	-0.2025110086	-0.209530493	0.1514316977	-0.065854779
## 893988	-0.152232082	-0.1392634217	0.139590217	0.1000392175	0.205271488
## 894047	-1.046330290	0.1276190479	0.762110996	-0.6132749639	-0.480614056
## 894089	0.284290870	0.6240328371	0.426607796	0.1283355021	0.034908661
## 894090	-0.031576420	-0.0383255327	0.655435298	-0.1279713471	0.048713741
## 894326	-0.170075984	0.1724475324	-0.042387277	-0.0134728046	-0.193728158
## 894329	0.568079833	-0.2368258974	0.758348545	-0.9870913218	1.116070240
## 894335	0.100888808	-0.1788481816	-0.178816523	-0.5549053938	-0.478292505
## 894604	0.238171433	0.2313781552	-0.408592240	-0.0095016933	-0.135617669
## 894618	-0.218616623	0.1901245794	0.214591166	-0.2903401717	-0.062764893
## 894855	0.053655806	0.1818251818	-0.536763246	0.5967985822	0.083314281
## 895100	-0.743066917	0.4325156820	-0.190408431	-0.7335093640	0.112903636
## 89511501	-0.113144248	-0.2940506450	0.073363757	0.1006927741	0.219286239
## 89511502	0.107381925	0.4532417073	0.335902831	0.4793350666	0.068541479
## 89524	-0.323757179	-0.0448228485	-0.271451301	0.3238010555	-0.045415870
## 895299	0.203318032	0.2781663495	0.290365721	-0.3389927697	0.222316330
## 8953902	-0.006727782	0.2938249415	0.070230993	0.2758279078	0.048575438
## 895633	-0.056410643	1.4551643459	1.063409914	0.5280949520	-0.477689192
## 896839	0.155351031	-0.8603490431	-0.264814842	-0.0490911231	-0.200827607
## 896864	0.413645282	0.6624067289	0.138422625	0.3166139521	0.063948985
## 897132	-0.121604962	0.1642798341	0.265097920	0.4150233011	-0.023339605
## 897137	-0.482822615	-0.2166491806	0.123075942	0.0200354776	0.262059758
## 897374	-0.351015532	0.0045454744	-0.192121793	-0.1807524515	0.205337620
## 89742801	-0.421098135	0.3535512960	-0.664089773	-0.1547574918	-0.238394926
## 897604	-0.179423928	0.7002998109	0.271376276	-0.1849332023	0.331649381
## 897630	-0.460097784	-0.8075690166	-1.463531431	0.1189436654	0.569271004

## 897880	-0.503324212	-0.3936123908	-0.225417242	0.2012224243	0.079304696
## 89812	-0.805398817	0.8436605083	0.331413404	0.0483766565	-0.028010873
## 89813	0.191218123	-0.1799771219	-0.042846358	0.2054435691	0.129493464
## 898143	-0.378210741	-0.6661071353	0.844481640	-0.3390341282	0.210319214
## 89827	0.122581944	0.3709652757	-0.088502368	-0.3583884281	0.189200188
## 898431	-0.321909167	-0.0351770352	-0.759481169	-0.2926798117	-0.255110057
## 89864002	0.128641916	0.3174592077	0.099858038	0.1175194896	-0.177940143
## 898677	-0.307211257	-0.9229878742	-0.341409011	-0.0829728261	0.214200984
## 898678	-0.148133462	0.1608723596	-0.321163763	-0.0973908890	0.138106989
## 89869	0.293085360	0.4842279047	-0.631932911	-0.2595449456	-0.076393667
## 898690	-0.398844599	0.1970551049	-0.163274641	-0.4358207945	-0.052522544
## 899147	0.588962408	-0.1801539516	0.254930859	1.0214669372	0.189751377
## 899187	0.130136152	0.1150328977	0.113717586	-0.4674644050	-0.266170357
## 899667	0.654869126	1.1212643248	0.871364843	-0.0987844903	-0.161364477
## 899987	-0.406205112	-0.1174517170	0.610315605	-0.0704891362	0.556228992
## 9010018	-0.065095963	0.6714907343	-0.514755612	-0.4438896161	-0.269194660
## 901011	0.523128326	0.1077162930	-0.089237751	-0.1798093444	-0.013709230
## 9010258	0.818136292	-0.1863240082	0.235467006	-0.2269359669	0.158526931
## 9010259	0.418559341	0.1639345834	-0.333283959	0.3784112936	-0.094843414
## 901028	-0.273359186	0.1089694643	-0.226717037	0.0010360267	0.210946478
## 9010333	0.683738171	-0.7471603955	0.322351740	-0.8473880399	-0.022650803
## 901034301	0.140884039	0.7948117431	0.070205319	-0.2656575078	0.354688145
## 901034302	0.173262411	-0.0837234817	0.527932636	0.0293885132	-0.264955143
## 901041	-0.056671165	-0.3114605395	0.397663127	0.4696051094	0.060634581
## 9010598	0.272495420	0.0879583115	-0.149468594	0.2890520335	0.261685360
## 9010872	-0.093584507	0.0175657790	-0.118372690	0.4637041397	0.197199444
## 9010877	-0.228000354	-0.0887009292	0.061886406	0.1055239987	0.035828864
## 901088	0.233465520	0.1718618080	-0.346328404	-0.1006266934	0.430798747
## 9011494	1.161832358	0.3491957492	-0.698482771	-0.3113838778	0.104746099
## 9011495	0.002548720	0.1374354989	-0.013225407	0.2270840277	0.034058686
## 9011971	-1.271239171	-0.1029785262	-0.922581790	0.3252409515	0.620120060
## 9012000	0.578136791	0.4252391640	0.568665448	-0.4587171522	-0.109454390
## 9012315	-0.098682436	0.1762986191	-0.183521464	-0.2592450594	-0.316110243
## 9012568	0.031865243	-0.3558514954	0.147913290	0.0054617665	0.064851563
## 9012795	-0.776581336	-0.0370483456	0.432908608	-0.5223914992	-0.234149675
## 901288	-0.418798901	-0.0515635673	-0.291956234	-0.0577465119	0.181237566
## 9013005	-0.044703429	-0.1532369271	0.036715549	0.2120975459	-0.077472248
## 901303	0.387857372	0.3768217896	0.104699580	-0.2491167409	0.212029941
## 901315	-0.412380050	0.2950669856	0.644471815	-0.8292508851	0.587560331
## 9013579	0.490624019	0.6020346605	0.172658131	-0.0602668704	0.272147454
## 9013594	-0.386482205	-0.3545484371	-0.509797248	0.2785802389	-0.427668164
## 9013838	0.382416123	-1.4166836339	-0.207562551	0.1197456190	-0.113760434
## 901549	0.023040886	0.3677072988	-0.363493152	0.1904282520	-0.181755847
## 901836	-0.228523015	-0.7967181894	0.340720994	-0.2688417551	0.306265576
## 90250	1.111573387	0.3647717547	-0.370102598	-0.7028971968	-0.104911895
## 90251	-0.065049702	0.1529932438	-0.207885917	0.7233012429	-0.340528113
## 902727	0.052047232	-0.4612886638	0.209941692	0.2945552287	-0.183853727
## 90291	0.059462620	-0.1560667897	-0.361590201	-0.3371969346	-0.520197855
## 902975	-0.116472278	-0.2020605259	0.017251550	-0.1185644985	-0.274477956
## 902976	-0.022465320	-0.1349551710	0.274700876	-0.0545817096	0.149873828
## 903011	-0.571734777	-0.4160611848	-0.230630227	0.1767877449	0.037330592
## 90312	-0.131779797	-0.4744049286	-1.156670578	-0.5756640818	-0.215591819
## 90317302	0.257458994	0.1302194642	0.064932900	0.0869479670	0.175032138
## 903483	-1.208782259	-1.0659981988	0.499052183	0.2075837941	-0.119392634

## 903507	-0.206405193	0.0991475001	-0.311628372	-0.2433812342	-0.005266698
## 903516	-0.246691921	0.2219615111	1.019517104	-0.1352680936	-0.099880431
## 903554	-0.336083811	-0.4253343499	0.291375422	0.4304974265	0.303586129
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## 90401601	0.165331700	-0.1236199473	0.007858463	0.2188194249	-0.104977879
## 90401602	0.479277878	-0.3584464601	0.295903600	0.0822406363	-0.204350207
## 904302	-0.519969435	-0.1316691737	0.071194999	-0.2789928553	-0.155780772
## 904357	-0.440310179	-0.3065410224	0.125455528	0.4812692987	-0.068628703
## 90439701	-0.438206909	0.0888777631	1.978919261	0.0152038791	-0.323051684
## 904647	-0.758587193	-0.8180822761	-0.268177255	0.3972630174	-0.094157815
## 904689	0.150337906	-0.3993862072	-0.112242670	0.3341658275	0.307473655
## 9047	0.109155653	0.4568207641	-0.043969313	0.2948475922	0.213223696
## 904969	0.610142878	0.2405879879	0.198666479	-0.3284271704	-0.216594902
## 904971	0.387078954	-0.0838721845	-0.136636638	-0.2317445035	0.213592809
## 905189	-0.094267600	0.2091173584	0.133761054	0.1116756438	0.178823472
## 905190	-0.105270793	0.1929470142	-0.348901865	0.3820806097	-0.179557248
## 90524101	0.241143862	-0.3479014693	-0.201124122	0.0046512576	-0.112298767
## 905501	-0.318697241	-0.6233579002	-0.688916720	0.3327703592	-0.007506200
## 905502	-0.677671343	-0.2159180821	-0.606937153	0.1228892262	0.194983160
## 905520	-0.063369501	0.3763914823	-0.260280760	0.3315433892	0.129551592
## 905539	0.156790292	0.7567981019	0.474625208	-0.1633192598	0.166890045
## 905557	-0.001625438	-0.3830751167	-0.243950977	0.0167850253	-0.249006138
## 905680	0.119265127	0.7928085556	0.149802724	0.2253684656	-0.140931397
## 905686	0.406477939	-0.4893377649	0.188409205	0.4738283427	0.306653103
## 905978	-0.933175325	-0.6875903983	-0.315925586	-0.0651119768	-0.169415210
## 90602302	0.568446712	-0.3870840783	-1.035936723	-0.1818408502	-0.059838350
## 906024	-0.367942018	0.1367986529	-0.724613598	-0.3666306248	-0.344708441
## 906290	0.244338863	0.6943607622	-0.129550689	0.3600047595	0.080615331
## 906539	-0.775878601	-0.4982578607	0.302001154	-0.0525467593	0.202497900
## 906564	0.230666382	-0.9340130494	0.590129424	-0.0304203563	0.790349077
## 906616	0.784287378	0.1005947754	0.316298584	0.2386402668	-0.003337330
## 906878	0.348665710	-0.1681611672	0.221543379	-0.1243483898	-0.290258445
## 907145	0.039388237	-0.7705711328	0.112479526	-0.1769951662	-0.071446788
## 907367	-0.105409000	0.2189295380	0.315841452	-0.4971442651	0.128150770
## 907409	-0.098066039	-0.3714077431	-0.107936858	0.2148874460	0.261733251
## 90745	-0.294018385	-0.4432421508	-0.155283599	0.2176786652	0.026972138
## 90769601	0.075191001	0.3949339823	0.270875034	-0.5475871587	-0.029071084
## 90769602	0.409537036	-0.1470984446	0.495252130	-0.0700425469	-0.013660800
## 907914	1.011034162	-1.2466625351	1.094800727	-0.4903384327	-0.520238112
## 907915	-0.196847173	0.0977631101	0.333884393	0.2403149333	0.387682009
## 908194	-0.153839783	0.8933575853	0.113104196	-0.2952590052	-0.339417894
## 908445	-0.370490599	-0.2814114776	-0.357324961	0.3051133657	0.193852862
## 908469	0.201968069	0.1436794229	0.069879671	0.3147938889	0.064438374
## 908489	-0.094637704	0.2392740350	-0.385514121	-0.3118388906	-0.189104530
## 908916	0.375750654	0.3569979786	0.054808550	-0.0165833121	0.281640888
## 909220	-0.292076005	-0.1976388340	-0.152324964	-0.2847363352	0.004681770
## 909231	-0.078430690	0.0188002577	-0.269916821	0.1368716751	0.048366741
## 909410	0.314208108	-0.1641884052	-0.092492063	-0.3288963431	-0.111176801
## 909411	0.263217116	-0.8953011390	-0.477419438	-0.1808677660	0.148161949
## 909445	0.127443698	-0.7420749754	-0.516353926	0.3904558921	-0.088342573
## 90944601	0.408904198	0.1995708358	0.486910166	0.2734708114	0.121766965
## 909777	-1.438452742	-1.7938747444	0.161070023	-0.3039571250	-0.345216401
## 9110127	-0.375278992	0.0304745502	0.308766012	-0.2142790920	0.006676929
## 9110720	1.113054181	0.7086041606	-0.095618332	-0.5663803643	0.035415002

## 9110732	0.024414131	0.4975854996	0.549558951	-0.2011023381	-0.299910155
## 9110944	-0.133231991	0.4019948571	0.118891115	0.2602067542	0.264136144
## 911150	-0.254891123	-0.1987226600	0.314821465	0.1010173839	0.038052640
## 911157302	-0.304759560	-0.0710633358	-0.290458504	-0.3611104671	0.112657703
## 9111596	0.282046443	-0.1482442235	-0.260896037	-0.1300141283	-0.054651126
## 9111805	-0.377946437	0.2722833864	0.821258211	0.0367052224	-0.085581752
## 9111843	0.174111125	0.3164155124	0.135115267	0.1081551988	-0.105450385
## 911201	0.331494073	0.8308225070	-0.140172461	0.0661953025	-0.445273031
## 911202	-0.179513237	0.1084479294	-0.128914509	-0.1182160646	-0.049743526
## 9112085	0.797047053	0.8962375496	-0.132217275	-0.0094586059	-0.047588366
## 9112366	-0.204478448	-0.0879105786	0.581589377	0.2314154786	0.309254048
## 9112367	-0.035684549	0.4289464068	0.269673560	0.2916575984	-0.090558303
## 9112594	0.312084352	0.0333102098	0.292259187	0.2690636115	-0.089129909
## 9112712	0.389759897	0.1576981922	0.482690501	-0.2214880341	-0.105395304
## 911296201	0.174174817	0.6699233670	-0.789252842	-0.1252472729	0.169500421
## 911296202	-0.303026281	-0.4863006614	0.416553368	0.7203250975	0.214626989
## 9113156	0.339949255	0.0650662525	0.829514053	0.0336627078	-0.012832974
## 911320501	0.048554101	0.3066206167	-0.268281182	0.0034940978	-0.140625209
## 911320502	0.197027639	-0.3979179614	0.073201371	-0.2769069133	-0.077058593
## 9113239	0.010409429	-0.6880358416	-0.253546790	0.7249879119	-0.468468560
## 9113455	0.439378419	-0.3404106882	0.495375677	0.0627561683	-0.088792334
## 9113514	-0.364180390	-0.1631137476	0.125574467	-0.4001931920	0.166251942
## 9113538	0.535093911	-0.0377950008	-0.464832463	-0.3503553816	-0.290794655
## 911366	-0.031264444	-0.6301533197	-0.151333198	-0.2751542086	0.303176650
## 9113778	-0.426781323	-0.6005732735	-0.057537138	-0.1610642908	-0.134786921
## 9113816	0.143857161	-0.3980403216	-0.213639067	0.0122987635	-0.489240636
## 911384	-0.061735650	-0.4849848951	0.140008297	-0.0810339971	-0.164634978
## 9113846	-0.924547217	-0.1650804727	0.331463040	-0.1098471364	-0.147999119
## 911391	0.138131568	-0.3317485069	0.468648050	0.5125091603	-0.247577084
## 911408	-0.080959244	-0.0289294939	0.300967232	0.1986298009	-0.100281123
## 911654	1.085108710	-0.1974767354	-0.349026227	0.3471315498	0.292199581
## 911673	-0.234743745	-0.6218627235	0.326319542	-0.1666228749	-0.095218142
## 911685	-0.571209393	0.3346104094	0.011104735	0.4531241029	0.081815173
## 911916	0.359354672	-0.2436266529	0.720356304	-0.0240276564	-0.110665541
## 912193	0.210596861	0.0019211493	0.282324590	0.2574975838	0.394276265
## 91227	-0.182316821	-0.0185594843	0.025351655	-0.0237769481	-0.107980895
## 912519	0.270190534	0.4252029656	-0.191220618	-0.1431104463	0.013293072
## 912558	0.200475839	0.4272385494	0.213721370	0.1529513498	0.147794029
## 912600	-0.234680765	-0.2387525922	0.559555778	0.0317958809	0.039764720
## 913063	0.430098593	0.0027740551	-0.486312026	0.2571649705	0.331462832
## 913102	-0.131537575	-0.0758429334	0.198911781	0.4966581680	0.038938641
## 913505	-0.910120607	0.1278456077	0.248345979	-0.0418222828	-0.109347069
## 913512	0.136164018	0.2297130909	-0.285864175	0.1563344287	-0.133126097
## 913535	-0.488433850	-0.0030835220	-0.416074175	0.2769279910	0.338978930
## 91376701	-0.118056633	0.3172047241	-0.253614426	0.0166237469	0.139340391
## 91376702	-0.236364830	-0.1156699908	-0.040531331	-0.0817350822	0.166193133
## 914062	0.083064008	0.1525496447	-0.243737947	-0.0435775273	0.104310001
## 914101	-0.573934139	-0.4560072102	-0.107550060	-0.8137681126	-0.315438432
## 914102	-0.295988005	-0.5455273504	0.123248220	-0.0816772472	0.208984125
## 914333	0.231234573	0.4316795917	-0.066079150	0.0232705761	0.037494299
## 914366	0.610689995	0.3742372700	-0.090040303	-0.0212508453	-0.054908668
## 914580	0.300126379	0.1155013169	-0.183410977	0.0417925930	0.194895575
## 914769	-0.353942968	0.0204796200	-0.153061859	-0.3316317313	0.178519722
## 91485	-0.312833478	0.0177142577	0.524231545	-0.2019981327	-0.039947058

## 914862	0.524760738	0.2833474941	0.578547357	-0.3805010924	0.424063489
## 91504	0.078581127	0.1589725855	-0.459371917	0.0886805410	-0.277104620
## 91505	0.144988459	0.4971942289	0.156019871	0.2908596514	0.291407020
## 915143	0.568692192	0.1591408726	-1.192610465	-0.0713913148	0.588139305
## 915186	1.080449875	1.2872881358	-0.495769149	0.6445579993	0.527081026
## 915276	-0.532755725	-0.2330164053	0.405118974	-1.1787557829	0.697074701
## 91544001	-0.085401709	0.3217213228	0.983286586	0.3964982056	0.162894013
## 91544002	-0.108770577	0.8129051426	-0.482391321	-0.5471119183	-0.225514190
## 915452	-0.019377981	0.1656588036	-0.236746460	-0.1878996254	-0.253631518
## 915460	0.315947790	-0.0633472245	-0.206100209	0.0753920244	-0.021392718
## 91550	0.484421963	0.1018668018	-0.386568709	-0.5768630595	-0.199326510
## 915664	0.031575776	-0.2221749564	0.050687499	0.0407637532	-0.145970771
## 915691	0.135649014	0.2492132654	-0.050143738	-0.8348939124	-0.128536902
## 915940	-0.135202274	-0.0543952913	0.418043070	0.5273173190	-0.165610991
## 91594602	-0.064727834	-0.0224106269	0.244545028	0.1173740572	0.285898324
## 916221	0.451158779	0.1301333251	0.229984996	0.2409078135	0.202386680
## 916799	-0.378334890	0.4585978463	0.432548534	0.1643351329	-0.061591672
## 916838	-0.307955690	0.2155187072	0.250244636	0.0371526685	0.071695283
## 917062	1.360660429	0.5824280478	-0.111959951	0.3741259219	0.611827875
## 917080	-0.102785755	0.0738025801	0.062243888	0.4609627146	0.131045355
## 917092	0.612723387	0.5085776252	-0.378416410	0.2571183721	0.553318076
## 91762702	-0.051582825	0.4547128004	0.153356168	-0.7153258534	0.580934936
## 91789	-0.033046285	0.5166550389	0.271235410	-0.1720627144	0.217063747
## 917896	0.355608475	0.1695525595	-0.605430233	-0.2977521130	0.326759656
## 917897	0.277677070	-0.0613360894	-0.228041607	-0.3038124014	0.274499918
## 91805	-0.198384362	0.1371981708	-0.402980729	-0.2082814229	0.020684502
## 91813701	0.309372372	0.3712575625	-0.371678106	0.5098053277	0.253277883
## 91813702	-0.231142007	-0.3013142461	-0.210626459	0.0825059098	-0.067296687
## 918192	-0.219224214	-0.7394725201	-1.201093310	0.3455021564	-0.152491963
## 918465	0.216413846	0.6185806863	0.152807569	0.2086865471	0.229300628
## 91858	0.451754145	-0.0200918317	-0.473948090	-0.1120267764	0.338057888
## 91903901	-0.086230934	0.1354021183	0.176578027	0.5661383428	0.117613574
## 91903902	-0.001336357	0.3487433903	-0.007837856	0.0831809793	0.343581930
## 91930402	-0.166751294	-0.3515839280	0.035170250	0.1198560686	-0.056538788
## 919537	0.025043256	-0.7064204808	-0.089502692	0.2487319465	0.329438223
## 919555	0.119327440	0.2425811937	0.866156292	-0.4366418554	0.123746381
## 91979701	-0.464140951	-0.1730744501	0.443281415	0.2770337868	-0.384797629
## 919812	0.664816782	-0.4952302847	-0.578224175	0.2634443771	0.299110655
## 921092	-0.458713646	0.5591542720	0.483950802	-1.0712172096	-0.321584546
## 921362	-0.391631186	-0.5494563493	0.953941633	0.0364970323	0.890138666
## 921385	-0.459932233	-0.8716409253	0.133864842	0.2918316525	0.533705303
## 921386	0.266156193	-0.2189951786	0.061736966	0.4096515445	-0.229038048
## 921644	0.344308231	0.2851593715	-0.174263087	-0.3021703935	-0.091722354
## 922296	0.754494648	0.4561970056	0.339310370	-0.0022268022	0.118843048
## 922297	0.378936346	0.4402644382	0.317526133	0.1310562140	0.477112943
## 922576	0.365464087	0.4277763898	-0.006784619	0.5236760757	0.051723764
## 922577	-0.337592217	-0.0267608899	0.312776967	0.1747521872	0.025219973
## 922840	-0.043766957	-0.1056845291	-0.298157590	-0.3004703745	-0.194792207
## 923169	-0.048982818	0.3764808300	-0.195677690	-0.3816380198	-0.193683020
## 923465	-0.110930947	-0.4798931054	0.136682319	-0.0916403900	0.237267418
## 923748	0.128935162	-0.0436164575	1.049012602	-0.3209498675	-0.116741765
## 923780	0.349763750	0.7505424152	0.143475685	0.4511670949	-0.048829098
## 924084	0.644600706	0.4766294202	0.237775205	-0.1124291332	-0.046746718
## 924342	0.301796214	0.7442879709	0.302072874	-0.5137654154	-0.141810425

##	924632	0.098400188	0.3661140595	0.821460859	0.0887376200	-0.135310151
##	924934	0.135366891	-0.1830112191	-0.252318027	-0.3284920680	-0.296758580
##	924964	0.187702105	-0.8112516794	0.618198182	0.2062748530	0.180616703
##	925236	-0.372813857	-0.5775177218	0.713112793	-0.2595316849	-0.354395012
##	925277	0.907324382	0.1933450191	0.452057650	0.4038191075	0.390851280
##	925291	-0.645197281	-0.3143226726	0.073104178	-0.2286369640	0.135232164
##	925292	1.315903353	0.7410877051	-0.442232067	0.1623571454	-0.310794816
##	925311	-0.569745725	-0.5567515908	0.371393741	0.0059625202	-0.058401266
##	925622	0.241409376	-0.1284484850	1.010978343	-0.5618115101	-0.980066745
##	926125	0.747115186	0.5137902382	0.605723215	-0.9204421040	-0.160428761
##	926424	0.062596180	0.1232334490	-0.051677832	-0.4039342494	-0.652176589
##	926682	-0.244588350	0.2225567578	-0.192467698	0.0155416535	0.069913471
##	926954	0.839772720	0.0963880851	0.157279563	0.2854397183	-0.090917772
##	927241	0.178471102	-0.6968480142	1.224117875	0.2185054033	-0.229389196
##	92751	0.143967465	-0.1793386428	0.678300647	-1.1696954484	-0.217152272
##		PC16	PC17	PC18	PC19	PC20
##	842302	0.7444607451	-0.2652373958	-5.490796e-01	0.1336499023	0.3452611113
##	842517	-0.6482383131	-0.0171970719	3.180176e-01	-0.2473469895	-0.1140327429
##	84300903	0.3248247158	0.1907506408	-8.789759e-02	-0.3922811953	-0.2043524231
##	84348301	0.0513250859	0.4822096009	-3.584323e-02	-0.0267241008	-0.4643251074
##	84358402	-0.1524716533	0.1330252645	-1.869779e-02	0.4610302383	0.0654378154
##	843786	-0.0127056581	0.1967133529	-2.972771e-01	-0.1297264835	-0.0711745335
##	844359	-0.0279433054	-0.3200829050	1.230170e-01	0.0035239593	-0.0444495512
##	84458202	-0.3365097518	0.1614215017	-4.908981e-02	0.2196830773	-0.0106331412
##	844981	0.5070582930	0.2854754597	-2.870772e-01	-0.1822709687	-0.0197682471
##	84501001	-1.1318257248	0.7584688292	-2.387387e-01	-0.1275685149	0.1779240553
##	845636	-0.0138706093	0.2849159741	-6.134944e-02	0.1720437193	0.0937289351
##	84610002	-0.0187810714	0.1611055355	-4.159689e-01	-0.1367793291	0.0566814179
##	846226	-0.2920952462	0.0531727295	9.339577e-01	0.9728881275	-0.3157956887
##	846381	-0.1992780260	0.0096995090	9.339247e-02	0.1010674465	0.1967267792
##	84667401	-0.1618282348	0.1754310229	2.238806e-01	-0.0531840832	0.3639545281
##	84799002	-0.6382781617	0.1798611136	-1.718454e-01	0.0906929739	-0.2822197817
##	848406	0.2443739278	-0.0458383708	-2.208124e-01	-0.0808510853	-0.1668401722
##	84862001	0.2215767406	-0.0781818510	5.021716e-02	0.3243354151	0.1355909907
##	849014	-0.1393548032	-0.6855739616	-2.705080e-01	-0.4576544799	-0.0261720852
##	8510426	0.1209221166	-0.1193080949	1.076572e-01	-0.0023196540	0.0627784940
##	8510653	-0.1439936507	0.2273189096	-9.075712e-02	0.1205914711	0.1354815837
##	8510824	-0.2156163397	0.0416265799	-4.312105e-02	-0.2850057948	-0.0664739762
##	8511133	0.0779077052	0.0516753915	-1.351681e-01	-0.2505840594	0.2833238390
##	851509	-0.1695420732	-0.5795650326	-1.524509e-01	-0.4622425441	0.2441235537
##	852552	0.2252070093	-0.9343378255	-4.239600e-01	-0.2004324503	0.0316699323
##	852631	0.5428895558	-0.2315565339	-9.462169e-02	0.1754609443	0.1261898383
##	852763	0.0290689442	0.4558248771	-1.573099e-01	-0.2028349509	0.3681010830
##	852781	-0.2633107617	-0.0230320660	5.164379e-02	0.3674136487	0.0390322000
##	852973	0.3507423311	-0.2024818286	-5.140403e-01	0.1407887067	0.1935393255
##	853201	0.0540947447	0.0555750576	-6.736093e-02	0.2280003716	-0.2726557691
##	853401	0.3051862215	-0.1875623435	-1.935028e-01	0.2018598204	0.0776311316
##	853612	-0.6162327985	0.1233210520	-5.884654e-01	0.1115639655	-0.2376973065
##	85382601	0.5443556733	-0.1853860373	-2.905819e-01	-0.1327205151	-0.3102765519
##	854002	-0.6799791601	-0.0524136346	-1.278924e-01	0.3484526710	0.0977244882
##	854039	-0.2649508034	0.5116666688	-5.148992e-01	-0.0449359045	0.1396499273
##	854253	0.3963311465	0.3424367694	-2.523528e-01	0.5088120277	-0.0182262570
##	854268	-0.1353052207	0.1325066667	-1.212405e-01	0.1760177562	-0.0783161394
##	854941	-0.4865692197	-0.0171701023	9.749344e-02	-0.3466943841	-0.0311932418

## 855133	-0.5775705797	0.6852634929	-6.832692e-01	1.0176759372	-0.5936297787
## 855138	-0.2486170983	-0.3725864432	4.074237e-01	-0.2392380729	0.0653398462
## 855167	0.0858440131	0.0154061997	-1.124179e-01	-0.2063437638	0.1529980089
## 855563	0.4138240100	-0.1707322382	3.545141e-01	-0.0644683713	0.0680433928
## 855625	-0.1168940426	-0.5396200806	3.638398e-02	0.1722399585	-0.3325881394
## 856106	0.2139096807	0.0237139886	-2.109543e-01	0.0982275226	0.0303717372
## 85638502	0.3840819798	0.2459056676	-1.469466e-01	0.0157458771	-0.0966009077
## 857010	-0.0516728726	-0.3229228398	-8.174019e-03	0.1334369447	-0.1998283033
## 85713702	0.4341320342	0.0058211607	8.968932e-02	-0.2077530623	0.0078418173
## 85715	-0.0343499856	0.1432864234	1.566433e-01	-0.2386347890	-0.2403366743
## 857155	0.0675974293	-0.1890272279	8.181192e-03	0.2854018034	0.0309365297
## 857156	0.1742017650	0.0643542582	5.355821e-02	-0.2002754121	0.2156803986
## 857343	-0.0583889171	-0.0825241914	-1.534190e-01	0.0859253386	-0.0634891959
## 857373	0.0267599697	0.2211230693	1.393874e-01	0.0785551072	0.0905176134
## 857374	-0.1451536668	-0.0455372106	7.295476e-02	-0.0932288239	-0.0218792424
## 857392	0.4610520393	0.0023119228	-2.167759e-02	-0.0116195406	-0.1570539642
## 857438	-0.0273991255	-0.1756512312	2.032964e-01	-0.0520325983	0.0649106633
## 85759902	-0.0455436441	-0.0730332412	-1.409306e-01	-0.0752782585	0.0300697515
## 857637	-0.0136346681	-0.2686278403	-3.472606e-02	-0.2406998187	0.0511072884
## 857793	0.0076276816	0.4698692126	-4.504667e-01	-0.3869577956	-0.1062390440
## 857810	-0.2005621445	-0.2045630549	-1.277670e-01	0.2367277317	0.0578713266
## 858477	0.2370915417	0.0415790617	5.176941e-01	0.1482043271	-0.4564661004
## 858970	-0.5946048047	-0.5785348079	1.139374e-01	0.0079325268	0.2453309910
## 858981	-0.1743616455	-0.0787539271	-1.120703e-01	-0.0880295467	-0.2495215707
## 858986	0.1448061468	-0.4050970648	6.565549e-02	0.2559123023	-0.4289500187
## 859196	-0.0842293958	-0.3369495728	2.902474e-01	-0.3645193658	-0.0218847216
## 85922302	0.2644121106	-0.3189750634	1.006240e-01	0.0343908745	-0.1639586428
## 859283	0.4712897357	0.1030461736	5.156184e-02	-0.0435454461	0.0120385599
## 859464	0.0720499724	0.2325538744	1.455717e-01	-0.0720682257	0.0790225044
## 859465	0.2757212862	-0.2805237812	1.404927e-01	0.0372159025	0.0833649877
## 859471	-1.0626005498	0.1850617241	-1.347993e-01	-0.2668952190	-0.3814350912
## 859487	-0.1078434849	-0.1246143671	-1.511215e-03	-0.0201171368	0.0939379250
## 859575	0.0723592874	-0.3383160278	-3.527509e-01	-0.0525835369	-0.0289468771
## 859711	1.4898419365	-0.3943927763	-4.943103e-01	-0.2226188045	-0.0047807310
## 859717	-0.7025900371	-0.3233144668	-2.690081e-01	-0.2103448772	0.0834048136
## 859983	-0.2314069611	-0.1111854157	4.271094e-02	0.0376418646	0.0935975116
## 8610175	0.0555184949	0.0419709202	-1.141890e-01	-0.1821769894	-0.0116456811
## 8610404	0.1968371132	-0.2604316743	5.447432e-03	0.2750953606	-0.1701957699
## 8610629	0.0605687046	-0.1926071856	-3.781177e-01	-0.2349473090	-0.0699485241
## 8610637	0.2213986609	0.2564393586	-8.694054e-05	-0.0296330599	0.2318213569
## 8610862	-0.1022416133	-0.4371565117	6.541248e-01	0.6232020130	0.6572255334
## 8610908	-0.0569375771	0.0933913214	-6.405911e-02	0.1272588554	0.2678163105
## 861103	-0.1250507711	0.1965686827	-1.543090e-02	0.1643745864	0.0671390460
## 8611161	0.1507082688	0.0460500757	-8.528589e-02	-0.0424911087	0.1097945421
## 8611555	0.2951609043	-0.0727220045	3.850636e-01	0.2975862961	-0.1296675824
## 8611792	0.8991911377	0.0740975033	2.824389e-01	-0.1775032259	-0.7876402180
## 8612080	0.0541482024	-0.0050063011	8.935649e-02	-0.0258646039	0.0514446563
## 8612399	0.0009987429	0.0807178300	-6.507399e-02	0.1604381362	-0.1529082400
## 86135501	-0.0404448228	-0.0343789127	2.292535e-03	0.1457468888	0.0364090961
## 86135502	-0.2263974440	0.0179289429	-5.487216e-01	0.0108520428	-0.0715637035
## 861597	0.0511789943	0.0131852725	2.283625e-01	-0.0381883962	0.0471079514
## 861598	0.0248136798	0.0233371930	-2.172770e-01	-0.1129248347	-0.2643933655
## 861648	-0.1835520312	-0.0073079751	6.880183e-02	0.0569711434	0.1014561762
## 861799	-0.0532671413	0.0115876931	1.149955e-01	-0.2499336883	-0.0463034074

## 861853	0.3440552885	-0.2273752521	-1.922491e-01	-0.0781472448	0.2033479975
## 862009	0.0633872491	0.0310541348	-5.257572e-02	0.1152561678	0.1769926531
## 862028	0.3622171113	-0.3077571762	-1.249274e-01	-0.0092797913	-0.0162603868
## 86208	-0.1499599397	0.1836067507	-1.656348e-01	0.0902312461	0.0175660697
## 86211	-0.6014543270	-0.0610520777	4.088117e-02	-0.1833302668	-0.0604185139
## 862261	-0.0996387794	0.1457218445	-4.086137e-01	-0.0517074621	-0.0903242792
## 862485	0.2297949692	-0.1010915701	3.228795e-01	0.0795964606	-0.2354725917
## 862548	0.0263312435	0.0738390906	2.193437e-01	-0.0561248044	0.0934256201
## 862717	0.2603574888	-0.0843126026	-3.760217e-01	-0.1282177279	0.1466945932
## 862722	-0.0648161007	-0.0743586672	6.001312e-02	-0.1605585403	-0.1381556177
## 862965	0.3166072907	0.1782153925	1.222033e-01	-0.1914123729	0.1774645649
## 862980	0.1904717597	-0.2912688556	3.675219e-01	-0.1108806079	0.1781375653
## 862989	-0.3723552575	-0.2544929562	7.295163e-02	-0.0412255879	0.0550120885
## 863030	-0.3423285309	0.0370571626	-3.073614e-01	-0.1802702994	-0.1095713573
## 863031	0.0260291585	0.0416980798	1.873460e-01	0.0537284809	0.0987456977
## 863270	0.3955030905	0.3233273965	2.988237e-02	-0.0777973821	0.0970946107
## 86355	0.4535034431	-0.3193808862	-3.373791e-02	-0.1463574077	-0.6693950389
## 864018	0.2303559150	-0.2079807983	5.509481e-01	0.3335341685	-0.3083514381
## 864033	-0.1147786362	-0.2432508051	-1.125072e-01	-0.0451754187	-0.0888126673
## 86408	-0.0914461903	0.2412463437	-1.459792e-01	-0.1100026847	-0.0896473479
## 86409	0.5978782675	-0.1822196905	-2.997565e-02	0.3190458027	0.4277165587
## 864292	-0.3616205824	0.2327580071	-2.695597e-01	-0.1740128225	0.0009258643
## 864496	-0.1170660795	0.1141917260	2.787614e-01	-0.2699318125	-0.4862268924
## 864685	0.0181444217	-0.1943937215	2.229841e-01	0.1106013071	-0.1943231201
## 864726	0.0188024294	0.3540363209	-5.535981e-01	-0.1880082735	-0.1775926041
## 864729	0.3784407497	-0.3282198389	2.854566e-01	0.1676563450	0.1316948737
## 864877	-0.3174913261	-0.3551554039	1.613097e-01	0.0770344109	-0.3060738877
## 865128	0.0741606002	0.1293691405	-9.533673e-02	0.1598354031	0.1444500222
## 865137	0.3232157136	-0.0498534052	3.256012e-01	0.0859633989	-0.1910126392
## 86517	-0.1508543945	-0.0571332361	2.183625e-01	0.0936904685	-0.0794546001
## 865423	0.8654238320	0.7210245200	-2.842764e-02	-0.1805240610	-0.1953916687
## 865432	-0.0786214283	0.1112746213	-2.389655e-02	0.0003689045	0.0938018536
## 865468	0.1787431134	-0.0528239193	9.687076e-02	-0.1321926180	0.0656264988
## 86561	-0.2137144308	0.0204290791	4.576725e-02	0.1421019311	0.0844834024
## 866083	0.1945433447	-0.0616013058	1.201657e-02	0.0727533344	-0.0556195344
## 866203	-0.4075855406	-0.1063572544	-4.203945e-02	0.1864270776	-0.0899024211
## 866458	0.1487266791	0.0365407567	7.118367e-02	-0.0460559372	0.2878951781
## 866674	0.1997560730	0.1643581615	-1.386212e-01	-0.2355432488	-0.0786941556
## 866714	-0.0321454015	0.1803153879	1.446663e-02	0.0537012203	-0.0672121974
## 8670	0.2690891739	-0.4026752272	-1.168613e-01	0.0558655115	0.0581974748
## 86730502	0.1883770526	-0.0015159215	-7.463528e-02	0.2371738070	0.2597497358
## 867387	0.1255354782	0.0181058265	5.293830e-02	-0.0645255704	0.1452601843
## 867739	0.0498471273	-0.0348003591	-1.552902e-03	0.3088338323	-0.1359873769
## 868202	0.1514154715	0.1551834702	1.691757e-01	-0.0013782678	-0.0002043019
## 868223	-0.0442347181	0.0488698031	-3.031355e-01	0.1035014669	0.0635824560
## 868682	0.3202988718	0.1431577163	-1.510629e-01	-0.3503780602	0.0845967628
## 868826	-0.2593608716	-0.5240682123	-4.283577e-01	0.4447294930	-0.1988468292
## 868871	0.1013765431	0.2051215233	-3.535834e-01	-0.4037205764	0.1109844828
## 868999	0.0517904171	-0.0297733911	-2.807300e-02	0.0030167492	-0.1603167314
## 869104	-0.1154530442	-0.1345554927	-1.506536e-01	0.2604065324	0.0786975765
## 869218	-0.0604180818	0.0327725227	9.480171e-02	0.0046179942	0.2796022763
## 869224	0.2921293899	0.2042485665	6.390893e-02	0.2028353423	0.0262745414
## 869254	0.4046408528	-0.0226426149	-1.825173e-01	0.0246703885	0.0416271894
## 869476	-0.2809777491	-0.3045726592	1.129379e-01	0.0215657449	-0.1412924695

## 869691	0.3205850216	0.2717847437	3.110889e-02	-0.4585564331	0.3093448681
## 86973701	-0.0076659266	-0.0866896819	1.849691e-01	0.1761969789	0.1865667960
## 86973702	0.0256794586	0.0300871833	-1.048423e-02	-0.1428604719	-0.0106274356
## 869931	-0.0776378141	0.0356981954	-1.446381e-01	0.0085533593	0.0791668016
## 871001501	-0.7943278066	-0.2059178434	9.810547e-02	-0.0757150007	-0.0150908425
## 871001502	-0.3291534591	-0.0215290616	4.591490e-01	-0.0648000637	-0.1021215193
## 8710441	0.2923351063	-0.0440479105	-2.214482e-01	0.7722305459	0.8153169319
## 87106	-0.0479786785	-0.0403775967	2.993535e-02	-0.1163782075	-0.0392088219
## 8711002	0.2108569576	0.1876319970	-1.022811e-02	0.2493521245	-0.1143566685
## 8711003	-0.0111404858	0.0965996634	1.425451e-01	-0.1091326190	-0.0610483741
## 8711202	0.3261857915	-0.0289408419	-7.767180e-02	0.0913939848	-0.1968742098
## 8711216	-0.2234369779	0.2057459455	7.729543e-02	0.2132831815	-0.1182213703
## 871122	0.0960065509	0.0493671338	6.776082e-02	-0.0892318905	0.0038008994
## 871149	0.5371407724	0.0836013519	-7.347705e-02	0.2296796112	-0.0223156244
## 8711561	-0.0172732266	-0.1660518913	-2.693205e-01	0.2789556075	0.2686127044
## 8711803	-0.1739718477	-0.1186035199	1.495407e-01	0.1184277556	0.2759074386
## 871201	0.1985593591	-0.3130446110	-7.422400e-01	-0.4027477710	0.0294493406
## 8712064	-0.1408167763	0.0899760234	4.338600e-02	0.0516195709	-0.0014061964
## 8712289	-0.5541220604	0.4209667792	1.441757e-01	-0.2427057037	-0.1668334484
## 8712291	-0.0270993383	0.1694953530	-8.852552e-03	0.0891065240	0.1385092890
## 87127	0.1403572442	-0.1271309456	1.672506e-01	0.0484315494	-0.1564043597
## 8712729	0.0344464249	-0.1026197113	4.597199e-04	-0.1001347432	0.0698983002
## 8712766	0.3396355704	-0.3172804519	-5.565185e-01	0.2086270672	-0.1057423397
## 8712853	-0.0661256124	0.0947245242	5.850816e-02	0.0267445695	0.0761671148
## 87139402	0.0391426633	-0.0894043810	4.249078e-02	-0.1104277441	0.0347903302
## 87163	0.3088400863	-0.3270381675	-2.043848e-01	0.0856777970	0.0058469233
## 87164	0.0376962680	-0.0532269922	-4.987553e-01	-0.2891800921	-0.1274294438
## 871641	-0.5747261180	0.0118325864	-1.784091e-01	-0.5401937525	0.1587074315
## 871642	-0.2285366523	-0.3343310932	-8.931922e-02	-0.0721446127	-0.0627764191
## 872113	0.0109532065	-0.1816532923	-1.768492e-01	-0.2518209137	-0.0204462335
## 872608	0.5164396427	-0.2991826641	6.197401e-02	-0.2667402086	-0.0708869996
## 87281702	0.1464495735	0.1705705845	1.047438e-01	-0.0394039381	0.0674094912
## 873357	0.1946412331	0.1014193933	-4.112096e-02	0.0251209964	0.0746628772
## 873586	-0.2200842643	0.0579762109	-8.668886e-02	0.1115649612	-0.0516437674
## 873592	0.2114141290	0.0190543507	2.680401e-01	-0.4468791550	-0.1067168619
## 873593	-0.2225498258	0.1601097605	-2.137379e-01	-0.1874726233	0.3281853275
## 873701	0.2272033167	0.1672507911	-2.667083e-01	-0.1605939857	0.1114192633
## 873843	0.0295154840	-0.0173719601	-1.227500e-01	-0.1635918791	0.0053953753
## 873885	-0.4914878279	0.1667277954	-1.194882e-02	0.1367772388	0.0229912100
## 874158	0.2838187400	-0.1311932500	-2.188238e-01	0.4492388543	0.0173057763
## 874217	0.1822433229	0.1256595244	-1.025233e-01	0.0498184730	-0.0188337444
## 874373	0.1251816990	0.0174723484	-5.453977e-02	-0.2180265293	-0.0614619270
## 874662	0.0694488122	0.1192852225	3.264863e-02	-0.0391461207	0.2457079456
## 874839	0.1989354501	-0.2564345620	4.665347e-02	0.0216786298	0.0952575201
## 874858	0.0274062008	0.2089332564	4.200734e-01	-0.6605636856	-0.3548952248
## 875093	-0.3179827150	-0.4458225894	6.744223e-03	0.3121766091	0.0067239019
## 875099	-0.5209914969	-0.6680161184	4.027139e-01	-0.2888446698	-0.6022166887
## 875263	-0.2098332786	-0.1954162464	4.234095e-01	0.1016542829	0.0172641121
## 87556202	0.3124876970	0.0847027451	-2.144337e-01	0.1003157527	0.1375860244
## 875878	0.1770079804	0.1085278005	3.928960e-02	-0.0795120036	-0.0475155709
## 875938	-0.1348518138	0.1234025494	-2.070345e-01	0.2374286914	-0.0692551796
## 877159	0.0521662649	0.0270352126	1.675279e-01	-0.0451778479	-0.5216610125
## 877486	-0.2704826632	-0.0153280327	-4.409052e-02	0.2947480780	0.2942869838
## 877500	0.4910418586	0.5701967292	-4.109975e-01	0.0301611311	-0.1609379675

## 877501	0.2009052555	-0.2164265720	2.319770e-01	-0.0656087112	0.0868612423
## 877989	0.3382421473	-0.0219546535	2.025737e-02	0.1949000241	0.0449688551
## 878796	-0.0652740257	0.3029562336	3.871811e-01	-0.1307298699	-0.3305552680
## 87880	0.7866758195	-0.0929994961	1.486534e-01	0.3061146849	0.0285532993
## 87930	0.0469967313	-0.1298960301	-5.018340e-02	0.1749127024	0.0634694829
## 879523	-0.0765467950	0.1215060979	9.567820e-02	0.3941832156	-0.2298235293
## 879804	0.1156793582	0.1769622233	-1.822802e-01	-0.1838495907	0.0787979344
## 879830	-0.0080428913	0.0163466846	-1.265058e-01	0.1215817740	-0.0280536938
## 8810158	0.0746465476	0.7206331404	-2.366732e-01	0.0917471814	-0.0313385133
## 8810436	-0.1202554113	-0.1682603162	1.820612e-02	0.1418071790	-0.1118953012
## 881046502	-0.2299887504	0.1204976641	1.309444e-01	0.2292130320	0.2090815426
## 8810528	0.0881409127	-0.0596355685	1.241904e-01	0.0055744662	0.0500293820
## 8810703	-0.0043657767	1.8709069211	1.446656e+00	0.3691163007	0.4201441831
## 881094802	-0.3280752245	1.2810306244	-1.334932e+00	0.0068931177	0.3419727144
## 8810955	0.0745458266	0.0421683577	1.679593e-01	0.1909784496	0.0527769046
## 8810987	-0.1401682643	0.2316069911	1.356987e-01	-0.0416182225	0.2390219727
## 8811523	0.1204862045	0.0820065268	2.605608e-01	0.0127712716	0.2195126949
## 8811779	-0.0197829404	-0.0695147009	-8.253186e-02	-0.0852725730	-0.1860333035
## 8811842	-0.2489323575	-0.3149360477	1.761201e-02	0.0309188124	0.0700588142
## 88119002	-0.0878989253	-0.6145226486	-1.606575e-01	-0.3563891033	0.3759978327
## 8812816	-0.2140069327	0.0234869126	4.512234e-02	0.1230273699	-0.0515637156
## 8812818	-0.0126251998	-0.0484539726	-5.518558e-02	0.1633758752	0.0259922052
## 8812844	-0.1113935203	0.0354024982	8.094021e-02	-0.1049289304	0.0205725256
## 8812877	-0.0396836816	0.3193119088	-1.390894e-01	0.1981646360	-0.1082299287
## 8813129	0.0859000891	-0.0719585319	9.185447e-02	0.0920773706	-0.0316016911
## 88143502	-0.0052202408	-0.2391302961	-1.306406e-01	0.1477763968	-0.0019916961
## 88147101	-0.0570632676	0.1174996695	-9.701424e-02	-0.0451657918	0.0911568159
## 88147102	-0.1775209441	-0.0060262050	4.983040e-02	0.1103452508	0.0296942179
## 88147202	-0.1856365517	0.1273207279	-2.085554e-03	-0.0614671772	0.0051844963
## 881861	-0.1220120480	-0.2883314614	4.285462e-01	0.0839788194	0.0690690893
## 881972	0.2815331446	-0.3160400360	3.944690e-01	-0.1871222805	-0.0621222245
## 88199202	0.1315069728	0.0940875445	3.474674e-02	-0.1670394324	-0.1162846164
## 88203002	0.0972843743	0.1805613611	-5.378889e-02	-0.1527327716	-0.1268877508
## 88206102	-0.3429463496	0.1057211091	-1.310169e-01	-0.0605160651	-0.0469428901
## 882488	0.3235929826	-0.1393728926	3.570177e-01	-0.0663236218	-0.1409725925
## 88249602	-0.1121982875	0.2002678589	1.589603e-01	0.1212523611	0.2150321129
## 88299702	-0.3702896832	-0.4119886469	1.197166e-01	-0.3448581980	-0.0226612217
## 883263	-0.4898973868	-0.0248405667	1.744737e-02	0.3357491843	-0.2310458903
## 883270	0.2555223214	0.1903337187	-1.223894e-01	0.0041697303	0.1987002739
## 88330202	0.1020011914	-0.2076402119	-1.921879e-01	-0.2953628500	-0.2918606090
## 88350402	0.0305306183	-0.1541636429	1.092806e-01	-0.0323591339	-0.0050191990
## 883539	0.2383365895	0.2925059066	-3.894138e-02	-0.0703783755	-0.0909451261
## 883852	-0.5631538211	0.0493616667	1.180896e-02	-0.1000241194	-0.2756118165
## 88411702	-0.0522342593	-0.1663261195	-3.673486e-02	-0.0339145254	-0.0676450964
## 884180	0.0737243972	0.1243057032	1.602795e-01	0.4182114129	0.0566137659
## 884437	-0.0772387452	0.1096989486	-2.802980e-01	-0.0864017205	0.1067182247
## 884448	0.1332534723	0.2294387001	1.181478e-01	0.0796090750	0.1301601343
## 884626	-0.4612965213	-0.2852294394	-2.431657e-01	0.0139410089	0.0530731718
## 88466802	0.3145563331	0.1256150416	2.153568e-01	0.1114714571	0.0033017330
## 884689	0.0364562060	-0.1154949048	1.435369e-01	-0.0980936423	0.1403341992
## 884948	-0.0620284278	-0.2287237666	-1.303403e-01	-0.2600660212	-0.0840280854
## 88518501	0.0255359879	-0.1686238957	-1.144902e-01	-0.0394994843	-0.0341250578
## 885429	-0.8638116824	-0.4624728896	1.490303e-01	-0.1473867179	0.0290140390
## 8860702	0.2816880189	0.1305714140	3.972811e-02	-0.0890893472	-0.0489570182

## 886226	-0.2426161764	-0.1677663529	-3.312113e-01	-0.0497908145	-0.1948751158
## 886452	0.0230836971	-0.2388193349	7.764066e-03	0.0604346404	0.1247332968
## 88649001	0.0308417958	-0.3200178413	-1.358743e-01	0.2841300129	0.1839390971
## 886776	0.4673054010	0.0488739028	-8.172292e-02	0.1051224530	0.1615303913
## 887181	0.7889883348	0.0850238696	-2.721897e-01	0.8471358148	0.3732511156
## 88725602	0.0617577456	-0.0665666757	6.621215e-01	0.2038426561	0.1208734743
## 887549	0.0846896924	-0.0131197426	1.978871e-01	-0.0580406558	-0.1101341893
## 888264	-0.3048531478	0.0529765987	1.586956e-01	0.2819186079	0.0660434494
## 888570	0.2213854129	-0.1124950047	8.840918e-02	-0.0007381603	-0.3617747667
## 889403	0.1742376687	0.1455798739	-4.240964e-02	0.0439622181	0.1942833615
## 889719	0.1360113793	-0.3941928713	1.761789e-01	-0.0140202990	-0.2116157890
## 88995002	-0.2537027900	-0.7435440187	-3.499594e-01	-0.9735132048	0.4935835058
## 8910251	-0.0270296306	-0.4070497219	3.552264e-02	-0.0621427201	0.0561416215
## 8910499	-0.0194450809	0.0691654048	-6.446826e-03	0.1795656410	0.1319485865
## 8910506	0.0250026681	0.1621484131	1.136484e-02	0.0052976912	-0.1140018092
## 8910720	0.0630012654	-0.0169393443	-1.369971e-01	-0.0999590003	0.2078321531
## 8910721	0.0159252237	0.1426477698	1.027371e-01	0.0945669802	-0.0110607644
## 8910748	0.1124701116	-0.0297667468	1.007977e-01	-0.1278816042	0.0481494724
## 8910988	-0.0891058616	-0.1988975853	-2.356524e-01	0.4233765273	-0.0106761513
## 8910996	0.0754468104	0.0036154702	8.036065e-02	0.0556274801	0.0228808956
## 8911163	-0.2941732820	0.0273194089	2.084833e-01	0.2293466589	-0.0130932974
## 8911164	-0.1645327823	0.0340149413	-6.703163e-01	-0.2765524132	-0.1503913479
## 8911230	-0.1284983278	-0.1597558711	6.426416e-02	0.0074949833	-0.0283059236
## 8911670	-0.2623855379	0.1886264975	1.756244e-01	0.1272585415	-0.0684301015
## 8911800	0.0359600096	-0.0812333347	1.113955e-02	0.0334346752	0.0885937375
## 8911834	-0.0062052802	0.0815744082	1.102180e-01	-0.1132303946	-0.0113926768
## 8912049	-0.0426346249	-0.3640153267	3.282632e-01	0.4724397627	-0.2491644613
## 8912055	-0.1614033366	-0.0556869934	1.977449e-03	-0.0623522903	-0.1852706728
## 89122	0.3220593206	0.1393949394	-2.619346e-02	-0.0088848249	0.1845764782
## 8912280	-0.0973090094	-0.0124174626	-7.048981e-02	0.0099610755	0.1079375653
## 8912284	-0.0219824185	-0.0584284630	-2.556442e-02	-0.0555921334	0.0615033980
## 8912521	-0.2418614465	-0.1222276897	1.724477e-02	0.0287166657	0.0633931870
## 8912909	0.2654393615	0.0978123829	-1.599028e-02	-0.2199227788	-0.2907592505
## 8913	0.1187594237	0.0334731531	1.748122e-02	-0.0474594260	-0.0814308263
## 8913049	0.0185379652	0.0693641505	2.011037e-01	-0.7398665175	-0.4198069546
## 89143601	0.0032926540	-0.0941672955	1.231921e-01	-0.2225045085	0.0264258967
## 89143602	1.7306733245	-0.8401005080	2.509854e-01	-0.0728887839	0.2654698338
## 8915	0.0767104081	0.1273300045	3.006057e-01	0.0508889098	0.0831170934
## 891670	-0.1357465194	0.2678709496	1.335277e-01	-0.0226131150	-0.1118243870
## 891703	0.4311772505	-0.0021485604	3.108104e-01	-0.0256739425	0.0147052733
## 891716	-0.0359002461	0.0420910103	1.576972e-01	0.1163353441	0.1094211617
## 891923	-0.0359540824	0.1498347202	6.008655e-02	0.1100218988	0.0162245933
## 891936	-0.0623161530	-0.3392489097	8.974570e-02	-0.3719985245	0.2016801273
## 892189	-0.0783434746	0.0251160531	-3.090482e-01	0.0425940390	-0.2318381920
## 892214	-0.0240669780	0.0637696310	3.268382e-02	0.0509791496	0.0777070725
## 892399	-0.7080910320	-0.1915984700	-9.561717e-02	-0.3672202100	0.0582025465
## 892438	-0.3691329997	-0.2183924891	-5.050965e-01	0.1170803335	-0.0330953674
## 892604	-0.0364037073	-0.1061121320	2.076069e-02	-0.0173063620	0.1179414734
## 89263202	-0.1063083444	0.2764195678	7.851393e-02	0.2396631112	-0.5858689150
## 892657	-0.0984353973	0.1422680370	-5.943283e-03	-0.1951160389	0.1090456851
## 89296	0.1103280214	-0.0812244971	-1.438444e-01	0.0186117007	-0.1395355972
## 893061	0.1243768701	0.0407773276	7.783609e-02	-0.2327093755	-0.0944238917
## 89344	-0.2407899713	0.2240435167	4.840104e-02	0.2214512448	-0.0074116702
## 89346	0.1383270463	0.1298809343	7.705619e-02	-0.2912680278	-0.1180222764

## 893526	0.0942795651	0.0496207896	-1.926754e-01	0.1470506808	0.1651562038
## 893548	-0.0019587500	-0.1015492950	-2.275839e-01	0.1872878327	0.0243058517
## 893783	0.1196348033	0.3355961358	8.298671e-02	-0.0511743040	-0.0472208416
## 89382601	0.1053576845	0.0493262014	-6.794925e-02	0.0608884898	0.0269892302
## 89382602	0.0321245083	0.0006937581	-6.437684e-02	0.0841502532	-0.0694794056
## 893988	0.1337868335	0.2961228848	-1.499932e-01	-0.0287892343	-0.1031468221
## 894047	-0.7158764798	-0.6539134173	-2.886556e-01	-0.3490709466	0.4425787946
## 894089	0.0670721507	-0.0377607756	-5.564747e-02	0.0501594469	-0.0002685258
## 894090	-0.1779536662	-0.2012158861	1.263353e-01	-0.0098593259	-0.0061549527
## 894326	-0.1030032003	-0.2709903052	1.880561e-01	-0.0856153297	0.0102883632
## 894329	-0.1170628557	-0.1181211587	1.269319e-01	-0.1517033978	-0.0863757842
## 894335	-0.3921784880	-0.3483001676	1.067902e-02	-0.1722536305	0.2166024818
## 894604	0.1487226771	-0.0605037570	1.354994e-02	-0.4413266905	-0.0587191845
## 894618	-0.1124495769	-0.0117149765	1.389886e-01	0.0383859536	-0.0851055128
## 894855	-0.0080752727	0.0759604284	1.852566e-01	-0.0713365982	-0.0705525537
## 895100	0.7143474187	0.7086637905	-5.211798e-01	-0.1410294877	-0.2486356167
## 89511501	0.0945349575	0.0432393930	3.666752e-02	0.1850305446	-0.0942873472
## 89511502	-0.0846723880	-0.0625582221	8.376922e-02	0.1505950138	0.0505347929
## 89524	0.0159973624	0.0216143631	4.774526e-02	0.0828660658	-0.0412157307
## 895299	0.0570802030	0.0871245656	-8.753962e-03	0.0031252281	-0.1266075401
## 8953902	0.1872396228	0.0679147310	-1.091703e-01	0.1259777087	-0.0100591627
## 895633	-0.1436310417	-0.3745906192	6.482257e-02	-0.1339164195	-0.0422774354
## 896839	0.0057864165	-0.1487699266	1.009803e-01	0.0171895169	0.1165851007
## 896864	-0.1385223091	0.1134412036	-1.878183e-01	0.2182908323	-0.1156681212
## 897132	-0.3248890235	-0.1639029544	-3.202519e-02	0.0927394632	0.2675759364
## 897137	0.1392239770	0.0661622119	3.967204e-02	0.1196087722	0.0188863633
## 897374	0.0383791994	0.1780679926	1.384068e-01	0.0450441387	0.1260795691
## 89742801	0.2730885555	-0.0968558538	-2.908539e-01	0.1278540634	-0.1104556762
## 897604	-0.5018284193	0.2764508706	6.645456e-02	-0.0310704182	0.0080080166
## 897630	-0.4523645724	-0.0332363478	1.801525e-01	-0.0847782057	0.3913803814
## 897880	0.2060285813	0.0365421270	9.344901e-02	-0.0674118420	0.0860234733
## 89812	-0.0882555693	-0.3924368029	7.685718e-02	-0.6012066995	-0.1623970826
## 89813	-0.3036936506	-0.1204097578	4.229774e-02	-0.0403937721	-0.0604313297
## 898143	-0.1325575015	-0.1491320852	1.830737e-01	-0.3552719206	-0.2175890623
## 89827	-0.0174724365	0.2795531767	4.772353e-03	-0.2089436651	-0.1289304654
## 898431	0.2014708145	0.1462378627	-4.196889e-02	-0.0914712509	-0.0703835427
## 89864002	-0.2964118783	-0.0014225590	-1.908020e-01	-0.0600147411	-0.1117747404
## 898677	-0.0577377095	-0.0435964867	-1.473008e-01	-0.1889493530	-0.1334168679
## 898678	0.1650694962	0.1648293270	1.136516e-01	0.1916657612	0.0959227374
## 89869	-0.0655513846	0.0431950250	-1.613651e-01	0.1475808285	-0.0789680274
## 898690	0.1844994381	0.0652250127	3.628337e-01	0.1749179272	-0.1870119733
## 899147	-0.5545452855	-0.1730664890	1.448490e-01	-0.0118884605	0.1892708932
## 899187	0.1518487133	-0.0699565983	-2.432591e-01	0.0095851357	0.0103993839
## 899667	0.0615883667	-0.3170839467	2.313930e-01	-0.3045887654	0.1519255191
## 899987	0.4051706721	-0.1084451729	-3.529655e-01	-0.3858576136	-0.0115003442
## 9010018	-0.2308689660	-0.2599334796	1.646309e-01	0.2393914487	-0.2446177491
## 901011	0.0806423781	-0.3168481579	3.546696e-02	0.0012552288	-0.1190086985
## 9010258	-0.0141637997	-0.0540943806	-8.052940e-02	-0.0723046233	-0.0514602100
## 9010259	0.0566911583	0.0092391787	2.115298e-02	-0.0915129582	0.1354018692
## 901028	0.0867879433	0.2572657911	-2.396990e-02	0.1253234981	0.1212240372
## 9010333	0.0778511646	-0.2792159256	-3.167438e-01	-0.0602797336	-0.1023809455
## 901034301	0.0593329537	-0.1335755882	-3.266099e-01	0.0886865829	-0.2293193625
## 901034302	0.0354918422	-0.1891887599	-1.836811e-01	0.1010706016	0.0291195306
## 901041	0.0866163014	0.0077951769	1.271443e-01	0.0258192954	-0.1107209730

## 9010598	-0.1002148392	0.0774380028	2.277003e-01	-0.0400113001	0.1058457136
## 9010872	0.0010213764	0.1024679794	8.389265e-02	0.2328502195	-0.0182103388
## 9010877	0.0576544703	0.0259501656	2.609474e-01	0.1379227371	-0.0609455712
## 901088	-0.2153910985	-0.0444445404	1.671270e-01	0.1932137235	-0.1000566063
## 9011494	0.0610591411	0.0168179211	-2.443781e-02	0.1555905157	-0.2007243694
## 9011495	0.1906477315	-0.0642613227	-8.186451e-02	0.1385958906	0.0005687209
## 9011971	-0.1758941965	-0.3925251009	1.086033e-01	-0.9894681343	0.4577797475
## 9012000	0.3844171729	-0.2378824145	-3.787287e-01	0.1049229424	-0.0758055188
## 9012315	0.2063110033	0.2596712267	-2.415112e-01	-0.1327677875	-0.1106237886
## 9012568	-0.2220302355	-0.1281301744	3.578626e-01	0.0916508117	0.0879186037
## 9012795	-0.0069534123	0.2647014301	2.610807e-01	-0.1036892245	-0.1273114920
## 901288	0.1260876200	-0.4355339775	3.222891e-01	0.0980341323	-0.2056370158
## 9013005	-0.0643500541	0.2256240757	-4.233509e-02	0.0599260754	-0.0371537323
## 901303	-0.3651435887	0.2983840626	2.089533e-01	0.2101164754	0.2832960988
## 901315	-0.1463293762	0.2342503330	2.265566e-01	-0.3172808219	-0.3337269744
## 9013579	0.1553156432	0.3114243323	4.671801e-02	0.0849684551	-0.1511284446
## 9013594	0.0033908603	0.2090168477	2.024968e-01	0.0525438176	-0.1446282323
## 9013838	-0.1463315016	-0.2180082931	6.656655e-01	0.0352007509	0.4956545922
## 901549	0.2371035800	0.1226711041	-6.678801e-02	-0.2250280771	0.0011732949
## 901836	0.3159254555	0.1020725998	4.664682e-02	-0.1987659355	-0.0425775350
## 90250	0.2003347706	0.0270525409	9.892760e-02	-0.3422712892	0.2155081280
## 90251	-0.4091292888	-0.0461591198	-2.285862e-02	0.2028741226	0.2311159967
## 902727	0.1648746117	-0.0607691184	-3.076880e-02	0.1448519047	0.1597047804
## 90291	0.2488114757	-0.0059848188	1.292123e-01	0.1170920239	-0.0237879195
## 902975	-0.0087005620	0.0280451372	-8.352725e-02	-0.1217508658	-0.0080589377
## 902976	-0.1514417428	0.0696151875	-1.657417e-01	0.0234914596	0.0901747759
## 903011	0.1918224037	0.1459218355	-1.142423e-01	-0.0400644057	-0.0975758274
## 90312	-0.6478945118	0.4477481600	1.719289e-01	0.2150491280	0.0307003336
## 90317302	0.2208119470	-0.0235294545	6.722839e-02	-0.1659670621	-0.0665202368
## 903483	0.1509829008	-0.1409605285	-5.024513e-01	0.3358128326	0.0139725366
## 903507	0.0384949638	-0.4585761940	-2.740395e-01	-0.0014777735	-0.0064244980
## 903516	0.0998226090	0.0930824279	-3.505806e-01	-0.2539264588	-0.1475794246
## 903554	0.2156567616	0.0703337709	-2.177050e-02	0.1562775757	0.1028490584
## 903811	0.0671510677	0.2314722649	1.636037e-01	-0.1431337995	-0.0413698478
## 90401601	0.1216300352	0.0131932412	1.198389e-01	-0.1439947173	0.2276705129
## 90401602	0.2254388591	-0.1638848922	-3.570981e-02	-0.1478031445	-0.0033586585
## 904302	0.0074742257	0.0435690589	-4.971364e-02	-0.0536301773	-0.1192700870
## 904357	0.0817691942	0.0039110113	-3.661696e-02	0.0751196101	-0.1545004643
## 90439701	-0.0833591875	-0.4936532611	1.511184e-01	0.7006220956	0.2917785849
## 904647	0.3744590676	-0.1615156306	1.377361e-01	0.1174774659	0.1149746998
## 904689	0.1847504132	0.0521923271	1.299577e-01	-0.0362879644	-0.1059190540
## 9047	0.0111722119	0.4823923865	-1.919687e-01	-0.0796564598	0.1328729071
## 904969	-0.2617227443	-0.2455731549	-8.282897e-02	-0.0770421559	0.1057327633
## 904971	0.0641643227	-0.0323670344	-1.214893e-01	-0.0533258590	-0.2063859502
## 905189	-0.1587492325	0.0886893548	2.530684e-02	0.0562390245	-0.0630287693
## 905190	0.1863543693	-0.0982790875	-5.729795e-02	-0.0388984179	0.0557874647
## 90524101	-0.0429222796	0.0165584409	7.914470e-02	-0.0618518508	-0.1390506688
## 905501	0.4412085793	0.0674448838	1.243995e-01	-0.1425535019	0.0599460017
## 905502	0.7728127083	0.1611878014	3.280364e-01	-0.0244310856	0.2654863902
## 905520	0.2427710985	0.3338411480	-1.592733e-01	-0.1344298159	0.1286209794
## 905539	0.1236608229	0.1734031309	-3.726524e-02	-0.2076969781	-0.1782328735
## 905557	-0.3249598417	0.2628099431	-6.843972e-02	-0.0705852651	0.2497885990
## 905680	-0.2351073479	-0.0582276787	4.709226e-02	0.1036232039	-0.1451630506
## 905686	0.0513147073	-0.0161882978	2.105953e-01	-0.1507661340	-0.2487480873

## 905978	-0.1822978116	-0.1146730419	-8.631163e-02	0.0731007670	0.0435188064
## 90602302	-0.1451851214	-0.4061454862	-4.109776e-01	-0.1762098642	0.0725047518
## 906024	0.0100219071	0.1827189984	2.228853e-01	0.1121369401	-0.0861705150
## 906290	0.0020694751	0.1932744745	-2.120432e-01	-0.0005163735	0.0389376292
## 906539	-0.1461766809	-0.0148695752	7.423495e-02	0.1983024808	0.0625604783
## 906564	-0.1057334449	-0.0604261221	2.658781e-02	0.4153361325	-0.0751121436
## 906616	0.1554229198	-0.0999754480	6.865526e-02	-0.1337791973	0.0936140768
## 906878	-0.0346413992	-0.0449609493	8.376150e-03	-0.2283698549	0.1980684171
## 907145	-0.3398433202	-0.2718880642	-1.825878e-01	0.1952621463	-0.1548608524
## 907367	0.0895074097	0.0906375771	1.146371e-01	-0.1802758003	-0.0941855952
## 907409	-0.1623492871	-0.0017792522	-3.176198e-02	-0.1001717831	-0.1299250945
## 90745	0.0701954194	-0.1566916921	1.764543e-01	-0.0737384502	-0.0849579054
## 90769601	0.0404244404	0.0805511489	-3.926308e-02	-0.2515004628	-0.0201208648
## 90769602	0.1045915501	-0.1339975004	-6.398436e-02	0.0535673844	-0.0600015243
## 907914	-0.1708901952	-0.3445541895	4.313214e-02	-0.0486632645	0.1531607343
## 907915	-0.3267691024	0.0269214414	2.118412e-01	0.3072162496	0.2085041689
## 908194	0.1152322177	0.0549709970	3.427705e-01	0.0817876010	-0.1281378126
## 908445	-0.1471326612	0.1225225413	1.313822e-01	-0.1887657795	0.0454628684
## 908469	0.0038408798	0.0494909974	4.846952e-02	0.1344431797	-0.0828256608
## 908489	0.1773816760	0.0958090019	2.717694e-02	-0.1489215864	-0.0456675800
## 908916	0.0419126079	0.2165302680	-1.293663e-01	0.2518107451	-0.1155450183
## 909220	0.0039545080	0.0535841548	-3.371880e-02	0.2077974873	-0.0218736455
## 909231	0.0262134858	0.0871973587	-9.077136e-02	0.1271623834	0.1635763831
## 909410	-0.0369945971	0.0529532825	1.226743e-01	-0.0342691180	0.1016459372
## 909411	0.2160259204	-0.0279905658	4.124786e-02	-0.1160930580	0.0119980095
## 909445	0.0022431459	-0.2330894726	3.244261e-01	0.0448851797	0.0522115326
## 90944601	-0.2380473886	-0.0410117693	-2.537247e-01	0.2621017351	0.1244182572
## 909777	-0.2256876965	0.2113400951	-2.569793e-01	-0.1746154548	0.2364803958
## 9110127	-0.2245382968	-0.0264798838	1.065067e-01	0.1605994330	0.1937812128
## 9110720	-0.2081535579	0.1556903449	6.260450e-02	-0.4011694116	-0.0212653698
## 9110732	-0.1667274124	-0.1458701973	-2.519375e-01	-0.1048584546	0.0856938908
## 9110944	-0.1274540640	0.2478273656	-6.660839e-02	0.2447654819	0.1614361449
## 911150	-0.0980157044	0.0419551380	-1.973387e-01	0.0187669106	0.1367394187
## 911157302	0.1182697949	-0.1897041359	7.319364e-02	-0.2763388130	-0.0360886538
## 9111596	0.3023811300	0.0077199329	1.345593e-01	-0.2184060575	0.0381999906
## 9111805	-0.2075103911	0.0499271046	1.364878e-01	0.1454063699	-0.1392078703
## 9111843	0.0636753200	0.0645610230	1.325198e-01	-0.1593267650	-0.0230293717
## 911201	0.0446388629	0.0111269523	-1.019937e-01	-0.0247202803	-0.0173480886
## 911202	0.2128912238	0.1028098920	1.646636e-02	-0.1007777172	-0.1362036316
## 9112085	0.0904844228	0.2839185263	-1.366948e-01	-0.0472354259	0.1345243127
## 9112366	-0.0808518879	-0.0740424954	6.554379e-02	0.1098374324	-0.0412836773
## 9112367	0.0933317815	0.0140758789	2.189715e-01	0.0844439571	0.0446639419
## 9112594	0.1713723380	-0.0767897798	1.796050e-01	0.0785053885	0.0201118723
## 9112712	0.2791991593	0.0356241923	4.553695e-02	-0.3273611698	0.0340885690
## 911296201	-0.1126613679	-0.3119496989	1.037352e-01	0.2288439901	-0.0812678322
## 911296202	0.0468781906	1.3047938629	9.793703e-01	-1.6521919566	0.5872241926
## 9113156	-0.0913792583	-0.1054493785	2.447532e-01	0.1015553238	-0.0955438537
## 911320501	0.4093659972	0.1500933696	5.328932e-02	0.0508637577	-0.0908707847
## 911320502	0.4173330623	-0.3048383097	3.903673e-01	-0.0113977017	0.0141957264
## 9113239	-0.5974218658	-0.1471347025	-1.849631e-01	0.0873280813	-0.3477157152
## 9113455	0.0291153507	-0.2534408859	4.252163e-02	0.1488658763	0.0808908761
## 9113514	0.3421853326	-0.0986465839	5.041461e-02	0.2709480873	-0.0442397637
## 9113538	0.1763564924	-0.0372038848	-2.845932e-02	-0.0736369742	-0.1005821487
## 911366	0.0172054420	-0.0308367920	4.471065e-02	0.2432901471	0.1623773566

## 9113778	0.0453408189	0.0054958394	-5.969832e-03	-0.0895727295	-0.1057466710
## 9113816	-0.0375389091	-0.0185752968	-3.814678e-01	0.2193251118	-0.1105674525
## 911384	-0.3061000700	-0.0456225836	-1.504954e-01	0.0183164709	0.0824946722
## 9113846	-0.3118583243	-0.1663433967	-6.947857e-02	0.1596341500	-0.1369845189
## 911391	-0.5691688283	-0.1311857188	8.801939e-02	-0.1537656514	-0.0164150330
## 911408	0.0117212288	-0.0724106602	5.570345e-02	0.0750153505	-0.0219888150
## 911654	-0.0680199510	-0.0159018154	-6.871319e-02	-0.0502469230	0.1534418424
## 911673	-0.1709974620	-0.0123870580	1.253255e-01	0.0402899453	0.0872854803
## 911685	-0.2423751707	0.2024671275	9.986513e-03	-0.0191811381	-0.0776162133
## 911916	0.0066630909	-0.0333292719	9.492904e-02	0.1037114236	0.1504849896
## 912193	0.0730122133	0.1229340999	-1.878168e-02	0.0273209128	0.1648002007
## 91227	-0.0625536671	-0.0670321490	-1.133739e-01	-0.0066267371	0.0204274114
## 912519	0.0807803538	0.3695553903	-9.558657e-03	-0.1087302625	-0.0145514514
## 912558	-0.1108431089	0.0993002176	-8.432065e-03	-0.0759792888	0.0589537649
## 912600	-0.1179671609	-0.2487553324	3.755785e-01	0.2183619219	0.0804185129
## 913063	-0.2231144879	-0.0609497955	9.549203e-02	0.1245838741	-0.2692460854
## 913102	0.1344296202	0.0451822383	-1.368277e-01	0.0478395415	0.1626515967
## 913505	0.3504701936	-0.0342112188	-1.722325e-01	-0.1952482257	-0.1726036657
## 913512	-0.0886881633	-0.0843837467	-4.710080e-02	0.0779530510	0.1300871141
## 913535	0.0907135127	0.9633209004	-6.703700e-01	0.4577529577	-0.0821731674
## 91376701	0.2775019763	0.2758897054	-9.571030e-03	0.1151118680	-0.0749493374
## 91376702	-0.0621296592	0.0166135409	-1.918704e-02	0.2927827630	0.0650347032
## 914062	-0.1897339023	-0.0714451555	3.853807e-02	0.1814519333	0.0840049422
## 914101	-0.1719195076	-0.1391153592	-1.557396e-01	0.0534505330	0.3398210898
## 914102	0.0298281101	0.0158373235	1.605788e-01	0.1924366003	-0.0825680683
## 914333	0.0821806078	0.1322074081	7.798112e-02	-0.0934486716	0.1347701593
## 914366	-0.0358778749	0.2001729450	-5.753610e-02	0.0269178916	-0.0721536210
## 914580	0.3028308700	0.1781680304	-9.454086e-04	-0.0391171702	0.0452046506
## 914769	-0.2458954590	-0.0950845250	8.196982e-02	-0.0281701607	-0.1726967460
## 91485	-0.1178393087	-0.0117894072	1.272862e-01	0.0101121466	0.0908039604
## 914862	-0.0971088399	0.1849624673	-1.226702e-01	0.0608150700	0.0748990612
## 91504	-0.0731260646	0.0669510233	3.999921e-01	0.2900773883	-0.0053964739
## 91505	-0.2466572140	-0.0012957265	1.336005e-01	0.0965700290	0.1928583877
## 915143	-0.3891070161	-0.0692886438	-4.328159e-01	-0.0792224197	-0.1311026627
## 915186	-0.4989273290	0.0614426403	1.472576e-02	-0.0052089236	0.1871894308
## 915276	0.1061688558	0.1450975453	1.952681e-01	0.1988225061	0.3483613390
## 91544001	-0.5869003919	-0.0713984513	1.147645e-01	-0.0515120701	0.0833758506
## 91544002	-0.4477928280	0.2116429077	1.901902e-01	-0.1937817362	-0.0831327797
## 915452	-0.4326986916	-0.0421231224	4.042337e-01	-0.0714777001	-0.0411972178
## 915460	0.0811069349	0.1173216262	2.709368e-01	-0.0068353403	0.1695494454
## 91550	-0.0251036033	0.1275815587	7.160374e-03	-0.3158463077	0.0718202346
## 915664	-0.1656525129	-0.0253422903	1.276502e-01	0.0321720287	0.0174672338
## 915691	0.1002469618	-0.0122560627	-3.978731e-02	-0.1399808860	-0.1245712341
## 915940	0.0337297517	-0.1151432061	-2.808120e-01	0.1177171098	0.0119567274
## 91594602	0.0430813394	-0.1123016706	-2.662367e-02	0.0242755669	0.0858319996
## 916221	0.0036030549	-0.0917038623	1.850439e-01	-0.1336185270	-0.0104974251
## 916799	0.1917801920	0.0156821488	-6.479661e-02	0.0497413311	-0.1812578717
## 916838	-0.5242638655	-0.1324175078	4.164366e-02	0.1739884378	-0.2905878805
## 917062	-0.0403973202	0.0983046405	-1.417744e-01	0.1817929811	0.2574283017
## 917080	-0.2654299713	0.0557073790	-4.489172e-02	0.2980716460	0.1251235465
## 917092	-0.5662658617	0.0688884138	-4.355084e-02	-0.0827461636	0.0817261030
## 91762702	-0.1930575838	0.1638605084	1.696156e-01	0.0564170440	-0.0405222312
## 91789	0.0367359627	0.2271729812	9.887981e-02	-0.0959645408	-0.0860998270
## 917896	-0.1157537076	0.1773029044	2.921844e-01	0.0806429725	-0.0289322155

##	917897	0.3472701757	0.1286726709	4.361274e-03	-0.0003997164	-0.0658280590
##	91805	0.0997620180	0.1237155150	3.308483e-01	-0.1543674922	-0.2362715510
##	91813701	0.1779140177	0.2259259121	1.293641e-01	0.2521963074	0.0172741437
##	91813702	0.4493965033	0.2358398169	2.839421e-02	-0.1211408420	0.0401779785
##	918192	-0.4918703631	0.3934087720	-2.733424e-01	0.0808508482	-0.3937157839
##	918465	-0.1573548181	-0.0332560589	4.103334e-02	0.1527013574	-0.0954426500
##	91858	0.2357778568	0.1714303720	-1.682333e-01	-0.0480760651	-0.0048463579
##	91903901	0.0664241146	-0.0049832053	2.166153e-01	0.1474758498	0.0376285657
##	91903902	-0.0589653404	0.1378144328	-5.111800e-02	0.1123664221	-0.0998720750
##	91930402	0.0011489071	0.1106196364	1.793498e-01	0.0120397051	-0.0228969758
##	919537	0.1671650757	0.1637494512	2.267327e-01	-0.2011274932	0.0996771994
##	919555	0.2236113177	-0.0556410397	-1.201821e-02	-0.1633614569	-0.0988305409
##	91979701	0.1441660514	0.0503790828	7.972177e-02	-0.0689864988	0.1948700448
##	919812	-0.1845235859	0.2560471166	2.157609e-01	0.0185852693	0.1565496905
##	921092	0.2246393773	-0.0759854108	-2.144004e-01	0.1077679119	-0.0754591770
##	921362	0.1157153017	-0.0946085126	5.607015e-01	-0.1632070601	-0.4108193773
##	921385	-0.0562823823	0.1692280446	-1.213046e-02	-0.0535534599	0.1078587734
##	921386	-0.1524138427	-0.0391271728	1.677550e-01	0.1610284957	-0.1314182663
##	921644	-0.2181697442	0.0270419575	7.676963e-02	-0.0335181090	0.1858465398
##	922296	0.1223984599	0.1891922492	-3.446057e-02	-0.2263650827	0.0703565400
##	922297	-0.4367745068	0.0792966644	1.675768e-01	0.2307348371	-0.0359430593
##	922576	-0.0494701048	0.0013069407	4.558326e-02	-0.0629478688	-0.1050644118
##	922577	0.0091468550	0.0290324891	1.488410e-02	0.0181300769	0.0288337616
##	922840	0.2476202326	-0.1276536694	4.694131e-01	-0.2003872236	-0.0195139777
##	923169	0.1388873508	-0.0515030353	-4.852651e-02	0.0264827985	0.1271702623
##	923465	0.0847374464	-0.1500183423	-7.870783e-02	0.3579268358	-0.1824970475
##	923748	-0.0103802678	-0.3204581803	-9.803317e-02	0.0202986827	0.0295470955
##	923780	-0.0057459625	-0.0405914791	6.431842e-02	-0.3217160263	-0.1685804913
##	924084	-0.0573291350	0.0452087235	1.212636e-01	-0.0765829801	-0.0502932900
##	924342	-0.4351182523	-0.1917622682	-1.571844e-01	-0.2947566845	0.1635577852
##	924632	0.0048691691	-0.0303433227	8.876475e-02	0.0041081275	-0.1145334139
##	924934	0.0206805941	0.1334742843	1.145619e-01	-0.1800354098	0.1188747634
##	924964	-0.2612530693	-0.0405031771	-1.773446e-01	-0.2615734828	-0.0134633024
##	925236	0.1100555556	-0.2497956869	-4.510752e-01	0.2787558115	-0.0588049466
##	925277	-0.1194566710	0.1244195792	1.484120e-02	0.0607378108	0.0576588492
##	925291	0.2761350539	0.2273597903	-6.871634e-02	-0.0276269369	0.1478646421
##	925292	-0.1693243274	0.0815532304	-2.099437e-02	0.0818645399	0.2514566080
##	925311	0.1807754237	0.0762688515	-3.325661e-01	0.0845524505	-0.0415106978
##	925622	-0.8029651181	0.1220605895	-4.950476e-01	-0.1819617089	0.3143066179
##	926125	0.0098729574	-0.0800009784	6.354433e-02	0.5562492156	-0.1554353516
##	926424	0.1475121301	0.3479599809	-1.950425e-01	-0.2460983953	-0.4040909029
##	926682	-0.1380625998	0.2932365347	-1.089496e-01	-0.1823602477	-0.2297445474
##	926954	-0.2324439379	-0.0655571760	2.108950e-02	-0.0419829133	-0.0813483422
##	927241	-0.0609931700	-0.1683659911	-3.066037e-01	0.3102957595	0.1730640918
##	92751	0.9204776932	-0.3045424620	-1.808133e-01	0.1889373346	0.1631105493
##		PC21	PC22	PC23	PC24	PC25
##	842302	0.0964300446	-0.0687893946	8.444429e-02	0.1751022126	0.1508872943
##	842517	-0.0772594939	0.0944953050	-2.175267e-01	-0.0112801927	0.1703603547
##	84300903	0.3107932463	0.0602560125	-7.422581e-02	-0.1026714190	-0.1710076559
##	84348301	0.4338116608	0.2030870644	-1.239955e-01	-0.1532947800	-0.0774275740
##	84358402	-0.1164424689	0.0176343316	1.393310e-01	0.0053271101	-0.0030593705
##	843786	-0.0024001785	0.1010804263	3.344819e-02	-0.0028377493	-0.1222827647
##	844359	-0.0497039122	-0.0909661524	-1.428548e-01	0.0801136391	0.2774169346
##	84458202	0.0446160665	0.1312420402	-2.402675e-01	-0.0962489988	0.1953110200

## 844981	0.0956161490	-0.1961497958	-5.867294e-02	0.0884762672	-0.1302274924
## 84501001	-0.2564517862	0.7160864577	1.671813e-01	-0.2158422553	-0.1346590354
## 845636	-0.1931514370	0.1797289643	1.239130e-04	-0.0661301394	0.1793508578
## 84610002	0.0256613371	0.1785045463	-2.105003e-01	0.1707930257	-0.2775786245
## 846226	-0.0212336227	-0.2717732995	8.302672e-01	0.5694022242	0.2050807032
## 846381	0.0536465611	0.2250613132	1.057031e-01	-0.0118578557	0.0109923447
## 84667401	0.1057076291	0.0548565083	5.742781e-03	0.1230654885	-0.1363435633
## 84799002	-0.0751373662	0.0433461466	1.334490e-01	0.1175438173	-0.2497804016
## 848406	-0.2344824832	-0.0800755365	-1.157460e-01	-0.0257880551	0.1982873357
## 84862001	-0.1000151185	0.2316735867	-1.000205e-01	-0.1851440561	0.2205773586
## 849014	-0.0712281618	-0.3695846503	2.874512e-02	0.3278945116	0.1650638434
## 8510426	-0.0042437600	-0.0571347487	2.945411e-02	0.0927005896	0.0899440626
## 8510653	0.1108892757	-0.1668964790	3.887662e-03	-0.0412016079	-0.0692929154
## 8510824	-0.0733857126	-0.0551410551	1.379913e-01	-0.0349132014	-0.2320428771
## 8511133	0.1246145246	-0.2051975642	-7.854400e-02	-0.0946139362	-0.0752040336
## 851509	-0.1903107396	0.1253718436	-1.521652e-01	0.1059576635	0.0372312067
## 852552	0.1055683715	0.1636112461	1.458986e-01	0.1809515336	0.2961245192
## 852631	-0.0568217163	0.1071936741	-1.553465e-01	-0.0414444675	0.1546978225
## 852763	0.0163246146	-0.0141963492	-5.970130e-01	0.2221582674	0.0103514077
## 852781	-0.1014472410	0.0490161400	-3.782756e-02	-0.2044090783	-0.0458583192
## 852973	0.0617522965	-0.2965392069	5.075293e-02	0.2219116625	-0.3516296603
## 853201	-0.1913776215	0.0214862498	-2.929037e-01	0.1208650268	-0.1369103839
## 853401	0.0595587515	0.2771629842	1.088098e-01	-0.0532229335	0.1666814036
## 853612	-0.1063311988	-0.2066568837	2.611420e-01	-0.1086780448	0.0057569554
## 85382601	-0.0434313811	-0.0112246042	5.029196e-02	0.0301623182	-0.1101463645
## 854002	0.6876197560	-0.0004074532	9.408438e-02	0.0229190936	-0.3765055802
## 854039	0.0504027758	0.2876283914	-4.554592e-02	0.0539289063	-0.0656662192
## 854253	0.4640921393	-0.3482940477	2.944944e-01	-0.1828347635	0.2537595842
## 854268	-0.1467733578	0.0054986329	1.521665e-01	0.2579466860	-0.0797662411
## 854941	0.2840168766	0.0526557024	1.154075e-01	0.0203929562	-0.1382255860
## 855133	0.4043981179	-0.1406766632	1.049883e-01	-0.3703681389	-0.3094285067
## 855138	0.2089804524	-0.2310395766	-4.420531e-01	0.1221456978	0.2819915427
## 855167	-0.1590984393	-0.1873591123	-2.090009e-01	-0.0034415007	0.0283145970
## 855563	-0.3980497527	-0.0355253748	1.527768e-01	-0.0471781829	0.0878759905
## 855625	-0.3945969239	-0.1220412364	-2.748425e-01	0.3141513454	0.0472694608
## 856106	0.1630859956	0.1050367727	3.885715e-03	-0.0553808770	0.1268753135
## 85638502	0.2582180768	-0.0426767559	-1.132296e-01	0.1022532639	-0.0436430789
## 857010	0.3773317635	-0.4099228882	6.112855e-02	-0.1638481544	0.0315084953
## 85713702	0.1342565409	0.0717443366	1.917410e-01	0.0754665502	-0.1670607979
## 85715	-0.0787229144	0.0699699317	-1.751332e-01	0.0339290587	0.1451632870
## 857155	-0.0133521503	0.0849026685	3.118708e-01	-0.0416129342	0.0848382565
## 857156	-0.1320383548	-0.2447116610	-1.020497e-01	-0.0408257688	0.1336454037
## 857343	0.0627384666	0.0519012423	1.971663e-02	-0.0571482290	-0.0566535809
## 857373	-0.0995524008	0.0506136205	-1.033791e-01	-0.0174916710	0.0681517454
## 857374	-0.0226944882	-0.0777153343	-5.233978e-03	0.0142555107	0.0315474360
## 857392	0.0598975865	0.2370488144	-1.119402e-01	-0.2379359159	0.0182763438
## 857438	-0.2251934371	-0.1844281082	-2.365515e-01	-0.0305737020	0.1680200050
## 85759902	-0.0017325648	0.0488467944	6.633714e-02	0.0877541039	0.0644744746
## 857637	0.1634300567	-0.0268306860	2.159026e-02	0.0340839741	-0.0399774989
## 857793	-0.0745584302	0.2344677947	-2.199298e-01	0.0578311893	-0.0745571265
## 857810	0.0461711930	-0.0421999111	7.051093e-02	0.0089610843	-0.0368382481
## 858477	0.2243181689	0.0357424595	1.926741e-01	0.0159167480	-0.1321624635
## 858970	-0.1276285922	-0.2168390477	3.310787e-02	0.0320732181	-0.1802871265
## 858981	0.1228232989	0.0935845279	8.347651e-02	0.1223396053	0.0212412139

## 858986	-0.1224776291	0.0173214607	6.316631e-02	-0.2338617546	-0.2075594763
## 859196	-0.0043481885	0.2195472743	7.874096e-02	-0.1788528772	-0.0661238760
## 85922302	0.1426873130	0.2035075522	-1.279958e-02	0.1170282052	-0.0664023204
## 859283	0.0574284597	0.1462134084	-8.278082e-02	0.0568954322	-0.1247534684
## 859464	-0.0525687765	0.0699194106	3.490344e-02	0.0562117068	0.0225352088
## 859465	0.0458313220	0.0615712021	2.847847e-02	0.0293938347	-0.0018518567
## 859471	-0.0179672286	0.1239548335	-5.671419e-01	-0.1119284311	0.2249337178
## 859487	0.0321781929	0.0892493026	9.990179e-02	0.0548699108	-0.0126058236
## 859575	0.0571423282	-0.0830178567	-2.073762e-01	0.1006802771	0.0339903355
## 859711	-0.3361399692	-1.1424568904	2.420656e-01	-0.3463345316	-0.2252647249
## 859717	0.1239360454	0.4460762715	-1.913596e-02	0.0131668390	-0.1545557510
## 859983	0.0737021390	0.2859701894	-2.018351e-01	0.0772917781	0.1152392295
## 8610175	-0.1092980597	-0.0138453481	-1.008081e-01	0.0156875207	0.0693816650
## 8610404	0.1221939976	-0.0225916039	-2.905887e-02	-0.0714540887	-0.0684432765
## 8610629	-0.3405424686	-0.2764202951	-1.959324e-01	0.1177716340	-0.0839922418
## 8610637	0.4881849266	0.4593568598	-1.759304e-01	-0.1091187680	0.0415840412
## 8610862	-0.3315363350	0.0917692151	7.817362e-02	0.1330530067	0.1694977343
## 8610908	0.0368236653	0.0528781014	-1.414879e-02	0.0039337198	0.0950812029
## 861103	-0.1542842180	-0.1093752122	-3.339722e-02	-0.1138734011	0.0679308746
## 8611161	0.1350984499	-0.1334625335	-1.924447e-01	-0.2517763795	-0.2235888446
## 8611555	-0.0864821708	0.2665122626	-4.632589e-02	0.2608106914	-0.2015897382
## 8611792	-0.1196533997	-0.2956341346	2.224689e-01	0.5212444111	0.1096453749
## 8612080	-0.1733274117	-0.0378600041	1.204891e-01	-0.0638102799	0.0384329228
## 8612399	-0.1874953206	0.1106660926	1.144139e-01	-0.0347490130	0.0772104119
## 86135501	0.0851120925	-0.0788800422	1.654986e-01	0.0521952944	0.2042659546
## 86135502	0.1811405538	-0.1483353830	6.109776e-02	-0.3054586360	0.3391317681
## 861597	-0.0855485818	0.0340156879	-7.278041e-02	-0.0125030575	0.0958176014
## 861598	-0.1599179864	0.1334391692	-2.361823e-01	0.1056798233	0.0502431449
## 861648	0.0751970527	0.0804334005	-6.635577e-02	-0.1062624672	-0.0187054096
## 861799	0.0401375273	0.0237493296	-2.193603e-01	-0.0722681274	-0.0675405913
## 861853	-0.1061390089	0.0371149157	-7.913824e-02	-0.0716357728	0.0325885709
## 862009	0.0279618710	-0.0009136168	4.019360e-02	0.0433231398	-0.0094418981
## 862028	0.2536049528	-0.3215360102	-1.098792e-01	0.0810358901	-0.0122471521
## 86208	0.0053144100	0.0796755233	-1.002077e-01	-0.2433959673	-0.0916256347
## 86211	-0.0007498808	-0.0602166502	1.639304e-01	-0.1109289976	-0.2189383088
## 862261	-0.0102439849	-0.0916181734	-6.026311e-03	0.0642046278	0.0182723018
## 862485	0.0655232802	0.1361721728	-2.380960e-02	-0.0848870016	-0.0354074807
## 862548	-0.2042063479	-0.0225011341	-1.597762e-01	0.0597491622	0.0990007411
## 862717	-0.2259323796	-0.1230114995	1.248698e-03	-0.1666755649	0.0778359909
## 862722	-0.0956354397	-0.0747250878	2.364517e-02	0.1296679865	-0.1440811607
## 862965	-0.3564485355	0.0251482825	-2.992479e-02	-0.0979259685	0.0047162894
## 862980	0.0301399587	0.0335743414	9.970638e-02	0.1500637562	0.0644902797
## 862989	0.0747135743	0.1185387392	-7.064032e-02	0.0494289954	-0.0067925146
## 863030	-0.1361272405	0.3722179590	1.186143e-01	-0.0347120679	0.4630159288
## 863031	-0.1355978998	-0.0423956441	1.032042e-01	-0.0462420781	-0.0124441010
## 863270	-0.0592468406	-0.2683180006	-1.795726e-02	-0.1103468343	-0.1032305687
## 86355	-0.3507692208	-0.0179928361	3.797596e-01	0.1684134918	-0.0805735130
## 864018	0.0919387965	-0.1277365004	1.483899e-01	-0.1542540054	-0.0752842685
## 864033	-0.1416269295	-0.0437723047	-8.286298e-02	-0.0340915052	-0.0758980269
## 86408	-0.0098907960	0.0108585079	1.241942e-01	-0.0531292836	-0.1257058523
## 86409	0.0758478926	-0.0299413676	1.515764e-01	-0.0040538369	0.2559432510
## 864292	0.2523148935	-0.2005744584	-1.008391e-01	-0.0939637841	-0.0220510840
## 864496	0.0847469535	-0.2462470091	-9.217831e-02	0.1031067284	-0.0596536602
## 864685	0.2108808456	0.0856011342	-3.120071e-02	0.0718847848	-0.0537477643

## 864726	-0.2993250170	0.3774640728	6.419481e-02	0.1624326552	0.1333816192
## 864729	-0.0740125564	0.2168594431	1.807974e-02	0.0481377257	-0.0430835660
## 864877	0.0107920537	-0.0090823808	9.152028e-02	-0.2365848959	0.1502163500
## 865128	-0.1008903144	0.0186001511	3.773655e-02	-0.1822265286	0.0774902467
## 865137	0.1425971344	0.0977297467	9.388497e-02	0.1143450431	-0.0875062102
## 86517	-0.1095512042	-0.0368444659	5.948070e-02	-0.0573230751	-0.0479760343
## 865423	0.1823355330	0.1924736868	-7.834028e-01	-0.0420577486	0.4801202668
## 865432	-0.1059093674	-0.0006889644	-6.692132e-03	-0.0965872957	0.0901663375
## 865468	-0.0290734639	-0.0720449154	-5.130739e-02	-0.0655215858	-0.0773499216
## 86561	-0.1520118290	0.0312271761	-4.425067e-02	-0.0194252611	-0.0028489901
## 866083	-0.0755222694	-0.5470082542	-5.097164e-03	-0.0585562173	-0.0842528785
## 866203	-0.2592800100	-0.0798956105	-2.165987e-03	0.0453208350	-0.0320879594
## 866458	0.2906007313	0.2365876878	1.386417e-01	-0.1813950669	0.0850693666
## 866674	-0.0477023487	0.1098756389	1.659566e-01	-0.2431434836	-0.2024590105
## 866714	-0.0032980824	0.1425767860	4.869334e-02	0.3114585207	0.0504978147
## 8670	-0.0099864488	0.2175776527	1.495831e-01	0.0198685456	0.1630945749
## 86730502	-0.0118113492	-0.0719780632	3.430327e-02	-0.0537885177	-0.0262472677
## 867387	-0.0260917188	0.0622881630	-1.522528e-01	-0.0147287641	-0.0125785329
## 867739	-0.0491245711	-0.1412544801	1.311055e-01	-0.2341660814	-0.0125149374
## 868202	-0.1900036520	0.0007314373	4.019293e-02	-0.1115204751	0.0147068067
## 868223	0.0274704855	0.0776034248	3.951687e-02	0.1216704125	0.0604854776
## 868682	-0.0543862370	-0.0365416622	-3.333185e-02	0.0326846235	-0.0391805529
## 868826	-0.3334506884	0.4054915252	-2.193496e-01	-0.4068775025	-0.0881771690
## 868871	0.2803794460	0.1846761587	2.143952e-01	-0.1196863856	0.0376078871
## 868999	0.0280965347	0.1487453615	1.728380e-01	0.1164585631	-0.0271424012
## 869104	-0.0950996286	0.0200592385	-1.211679e-01	-0.2135055514	0.0666153477
## 869218	-0.0352521098	0.0380603598	5.448906e-02	-0.0318555032	0.0077971927
## 869224	0.1732044592	-0.0639742623	1.991783e-02	0.0106138462	0.0122799552
## 869254	0.0564142548	0.1370697192	6.766793e-02	0.0561324441	0.0512603080
## 869476	-0.3683875482	-0.1420416676	-1.308197e-01	0.0125169124	-0.0452869192
## 869691	-0.0889311726	0.0256506270	1.876829e-01	-0.1575048434	0.0188817471
## 86973701	-0.0900731255	-0.0400353646	1.620326e-01	-0.0792985391	0.1283327940
## 86973702	-0.0234753958	-0.2601145529	-1.434038e-01	0.1222678006	0.0012273956
## 869931	0.0616893403	0.0090340962	-3.723294e-02	-0.0652554176	0.0044763560
## 871001501	-0.0657471629	-0.0644969370	-7.178100e-02	0.0728145229	-0.0628778265
## 871001502	0.0200808089	0.1449433687	2.034840e-01	-0.0327360562	0.0919517030
## 8710441	0.7401452529	0.3831959662	-7.197866e-01	0.5528682798	-0.7688844833
## 87106	0.0037288783	-0.0076158198	4.975953e-02	0.0287897188	-0.0665129766
## 8711002	0.1329682058	-0.0117514493	3.214991e-01	-0.0543627264	0.0702960637
## 8711003	-0.1568287690	-0.0225800998	-2.454247e-02	-0.0768285074	-0.0059737544
## 8711202	0.1130023897	0.2175450326	1.330678e-04	-0.1083858543	-0.1131675407
## 8711216	-0.1196078069	-0.1293049567	-1.269144e-01	-0.1667389417	0.0522691793
## 871122	-0.1124828396	0.1751555824	-6.726155e-03	0.0674615200	0.0668955418
## 871149	0.0731062518	0.2607303508	8.887002e-02	0.0439906279	0.0851068271
## 8711561	-0.0593151545	-0.0152866466	-9.779063e-02	0.2113824287	0.1635538400
## 8711803	-0.1263678204	0.3605520731	-2.127513e-02	-0.1363983763	-0.0898596892
## 871201	0.0478377893	-0.0017237997	4.327957e-01	-0.0776408430	0.1636625284
## 8712064	0.0725704198	-0.0013301824	-1.161848e-01	-0.0247003946	0.0586874936
## 8712289	0.1620788140	-0.1216703596	-1.509285e-01	0.1083602709	-0.0275326905
## 8712291	0.0233035100	0.0032548572	1.083006e-01	0.0073934309	0.0401113188
## 87127	0.0818090553	0.0769269570	9.751749e-02	0.0094024462	-0.1095299583
## 8712729	-0.1334672266	0.0441479779	-7.378814e-02	-0.0393240507	0.0247838880
## 8712766	-0.0522121834	0.2219474232	9.790482e-02	-0.1351258611	-0.0722941476
## 8712853	-0.0045595377	0.0027715260	-1.247479e-01	0.0585750803	-0.0852073941

## 87139402	0.0090859979	-0.0408577676	6.674611e-02	0.0900029112	-0.0490700050
## 87163	-0.2126884740	-0.0189687328	6.375163e-02	-0.0600882775	0.1626099799
## 87164	-0.1776034265	-0.0436212614	1.908620e-01	-0.0975165287	-0.0213972256
## 871641	0.0090184455	-0.1279528819	2.305423e-01	-0.0197482542	-0.1580653111
## 871642	0.0269495073	-0.0197358019	-1.738572e-01	0.0448367663	0.0273242197
## 872113	-0.1437454860	-0.0247487238	-3.984907e-02	0.1187635545	-0.1071313208
## 872608	-0.1161276523	-0.2248146874	-7.697057e-03	0.0626260764	0.0294686802
## 87281702	0.0086369090	-0.1864679833	5.337960e-02	-0.0479341631	-0.0947724347
## 873357	-0.0496151280	0.1534599455	1.285473e-01	-0.0385974997	-0.0457881527
## 873586	-0.0596573952	-0.0718530821	1.207076e-02	-0.0527121629	-0.0766014585
## 873592	-0.0811839112	0.2459533249	6.681652e-04	0.2204404113	-0.3880355240
## 873593	0.3712369753	0.1277194823	-3.395785e-01	0.0050026557	-0.0226781746
## 873701	-0.1155090385	0.1604462673	-1.102473e-01	0.0816822004	-0.0870117567
## 873843	0.1604242300	0.3153773920	5.525530e-02	-0.1371724824	-0.0178131302
## 873885	0.1418247593	-0.1957940073	-8.131287e-02	-0.1057210612	0.1158986833
## 874158	-0.0487840203	0.1571598835	7.533465e-02	0.0706672502	-0.0162751651
## 874217	-0.0793999872	-0.4128235104	-6.310328e-02	-0.0489118322	-0.0167498750
## 874373	0.0226154279	-0.0975512806	-8.698752e-02	0.0540539268	0.1080068239
## 874662	0.0609040781	0.0596139930	1.448228e-01	0.0055374703	0.0018366778
## 874839	0.0847599985	0.1348421123	5.341277e-02	0.0126958509	0.0614824315
## 874858	-0.2651270396	0.2183750065	-2.198504e-01	-0.2920974248	0.0413009888
## 875093	0.0454522168	-0.0948733387	1.816105e-01	-0.1203932187	-0.3420239365
## 875099	1.1191056263	-0.2331475216	-3.336950e-01	0.0482062330	0.1305932880
## 875263	0.0178849878	0.2724365942	4.929810e-02	-0.0887926845	-0.0419097305
## 87556202	-0.0061040145	-0.0824708979	5.438916e-02	0.3377316084	0.0861811234
## 875878	-0.0387702877	-0.0713981822	-8.249070e-03	0.0478830258	0.0160641382
## 875938	-0.4619616703	-0.1195515099	-6.784419e-03	0.0100042357	-0.0281638239
## 877159	0.0042762835	0.1533916163	-1.039563e-01	-0.1359071019	0.0751791221
## 877486	0.0588795229	0.1042404303	-4.822345e-02	0.4113978232	-0.3348311426
## 877500	0.1998626546	-0.2994766894	1.318315e-01	-0.0695652574	0.1164275044
## 877501	-0.1038052557	0.2178052406	-1.049581e-01	0.0526821849	-0.0508188155
## 877989	0.1279552568	-0.0945051018	-2.438231e-01	0.1472610027	0.0929555605
## 878796	-0.0027228859	-0.1913806191	3.426568e-01	0.1284350338	0.0829815306
## 87880	-0.1000833614	-0.0083708106	3.090184e-02	0.0011103715	-0.3573301089
## 87930	0.0837245389	0.0683833173	7.602116e-02	-0.0867975599	0.0794350264
## 879523	0.3708654703	0.1067653793	1.684507e-01	0.0644184257	0.0823558647
## 879804	0.0235208407	-0.0396041087	5.086282e-02	0.1508615288	0.0377821851
## 879830	-0.0661588882	-0.0406963146	5.900265e-02	0.0324913417	0.0535513031
## 8810158	0.2540257054	-0.0214357526	1.438473e-02	-0.0144980797	-0.1542563649
## 8810436	0.1097784073	-0.1284943045	8.633826e-02	-0.0170972969	-0.0121291895
## 881046502	-0.0423736332	-0.0014300495	2.555743e-01	0.0806142911	-0.0768804745
## 8810528	0.0518438567	0.0835220115	-5.134297e-02	0.0214151542	0.0253814513
## 8810703	-0.4962113570	-0.4251717593	-5.372360e-01	0.1461327573	-0.1298567304
## 881094802	-0.2339435873	-0.0540746709	1.187577e-01	0.1310614797	0.0922519450
## 8810955	-0.1352462967	0.1265048633	-9.083543e-02	0.1434446926	0.0912685049
## 8810987	-0.1290711318	-0.1607487843	-6.570164e-02	-0.1711515978	0.0349162086
## 8811523	0.0756916403	0.0948758611	-4.206309e-02	-0.0589331986	0.0079642266
## 8811779	-0.1230725728	0.1577985100	3.099539e-02	0.0872528065	0.0099006603
## 8811842	0.0128743414	0.1021100920	-2.380017e-02	-0.0323308619	0.0782863821
## 88119002	0.1884052059	0.0781527866	1.569198e-01	0.0200191735	-0.2534401261
## 8812816	0.1156074813	0.1098602073	-4.990423e-02	-0.0016563183	-0.0438822499
## 8812818	0.0410599948	0.0233995341	8.345030e-02	0.0734162888	0.0305945738
## 8812844	0.0099117820	0.0511797861	4.092731e-02	0.0286983406	0.0489332169
## 8812877	0.0144087799	0.2896039000	5.607808e-02	0.0034338074	-0.1986150044

## 8813129	-0.0923937334	0.0545138890	-7.143462e-02	0.0426106840	0.1231686348
## 88143502	-0.0292640687	0.0012023890	-7.358128e-02	0.1252689383	-0.0006547431
## 88147101	0.0786200057	0.1231751118	3.244724e-02	0.1015522248	0.1605864205
## 88147102	0.0143835001	-0.2332583906	-2.389833e-01	0.1719404862	0.0306172471
## 88147202	0.1640842684	-0.1597612653	-1.194945e-01	-0.1162180758	-0.0306435248
## 881861	0.1885579045	-0.0106879515	9.307472e-02	-0.0643035131	0.1253390158
## 881972	0.1585044955	-0.1452836233	-3.064909e-01	0.1668754229	0.0667139296
## 88199202	-0.0841925114	0.1126783323	1.233416e-01	0.1271377413	-0.0820558051
## 88203002	0.0779960849	0.0489875780	4.511208e-02	0.1055039207	0.0721123967
## 88206102	-0.2555420091	0.1020804739	1.121943e-01	0.0426006252	-0.0166052456
## 882488	0.2581497019	0.0739822943	6.571056e-02	0.0355846046	-0.0460128011
## 88249602	-0.0701528493	0.0573426654	-2.266703e-02	-0.0619919758	0.0388536120
## 88299702	0.1793395918	-0.3340617419	-1.548001e-01	-0.0631785106	-0.0545290786
## 883263	-0.0551961289	-0.1677171894	1.416056e-03	0.0640969569	0.0223097436
## 883270	-0.1430146147	0.0811219264	7.006488e-02	-0.2748707809	-0.0563871766
## 88330202	0.3853278806	0.1052165338	-4.470986e-01	0.0083722398	-0.0723845433
## 88350402	0.0241254484	0.0256825719	-1.830502e-03	-0.0666084328	-0.0470588336
## 883539	-0.0218236169	0.0406475099	1.311491e-01	-0.0085475638	-0.0337282091
## 883852	-0.4391577887	-0.3854424053	1.696172e-01	-0.1370201621	0.1285043928
## 88411702	0.1538408455	0.0903501327	-7.243243e-02	-0.0050534017	0.0763765257
## 884180	0.0949382877	0.0123698004	2.405532e-01	0.0452172097	0.0096082373
## 884437	-0.1514551539	-0.0261082313	2.289500e-02	0.0591502499	-0.0068393412
## 884448	-0.1426933757	0.0230905800	8.516551e-02	-0.2074837393	-0.0298464573
## 884626	-0.0620341215	-0.3440047302	2.244935e-02	0.2310296941	0.0685457589
## 88466802	0.0755049276	0.0741725961	1.431025e-01	-0.0455560901	0.0700578430
## 884689	-0.0529062876	-0.0132284159	-5.412998e-02	0.0210072944	0.0568829859
## 884948	0.0544942821	-0.0131194626	-8.522717e-02	-0.2216185779	0.0801556986
## 88518501	-0.0827443999	-0.0025122862	-4.911417e-02	0.0098933299	-0.0512388223
## 885429	0.1939382313	0.0337559611	1.123423e-01	-0.5386655525	0.0988701448
## 8860702	-0.0980854787	0.0874803680	-1.299469e-02	0.0801768466	0.1379112000
## 886226	0.2676154544	0.0785851673	7.076819e-02	0.0321304033	0.2094028775
## 886452	0.1793707073	-0.0028287808	-2.297735e-02	-0.1038095419	-0.0586295803
## 88649001	-0.0552307994	0.3620617400	-1.283203e-01	0.4507633056	0.0416570539
## 886776	0.0657075187	0.3547094070	-2.745383e-02	-0.1058042628	0.1097401753
## 887181	0.0873481628	-0.0339195531	2.525981e-02	-0.2665936004	0.3519306215
## 88725602	-0.1693040297	0.3391157333	6.048687e-02	0.0635366598	-0.1919736805
## 887549	-0.2458473576	0.1536432043	9.557699e-02	0.0642796720	-0.1872462249
## 888264	-0.0537135293	-0.0126403539	-5.929726e-02	-0.0675187471	-0.0252658504
## 888570	-0.0162375185	0.1865291581	-9.998512e-02	0.0242004857	0.2351859841
## 889403	-0.4722726866	-0.0866804931	2.745597e-02	-0.1553950252	-0.1428594928
## 889719	0.1164944314	-0.3843841526	-2.465238e-01	0.0532404752	0.1578090421
## 88995002	-0.1138508507	0.3701998205	3.587121e-01	0.1468654098	0.1680131671
## 8910251	-0.0621600727	0.0713723827	-3.078970e-02	-0.0167376001	-0.0416928295
## 8910499	-0.0250709195	0.0400214082	-6.879361e-02	-0.0280716665	0.0730186313
## 8910506	-0.0926920818	-0.0686508302	1.088154e-01	-0.0559542384	-0.0114858859
## 8910720	0.1690959863	0.0089110820	-3.155884e-02	0.0642324737	0.1187639512
## 8910721	0.0327662348	-0.0115683733	7.279948e-02	-0.0539614855	-0.0154034844
## 8910748	0.1177760588	0.0427260898	-1.239177e-03	0.0379756173	0.0675496000
## 8910988	-0.0438645945	-0.0168122209	8.419798e-02	0.0217944990	0.0430331892
## 8910996	0.0902835058	0.0117337030	1.203749e-01	0.1284412421	-0.0306878292
## 8911163	-0.1929686224	0.1098469849	-7.493123e-02	-0.0415724848	0.0286782682
## 8911164	0.2179704484	0.0477836626	9.954784e-03	0.0797536070	-0.1944634970
## 8911230	-0.0572602735	0.0398600737	1.080547e-01	0.0715754515	-0.0897841977
## 8911670	-0.0266697719	-0.1382178889	9.105736e-02	0.0194840907	-0.0907780914

## 8911800	-0.2292801520	-0.0076956650	2.347227e-02	-0.0920946082	0.0111966096
## 8911834	-0.2111142421	-0.0363933070	-6.159309e-02	0.0055092975	-0.0576720438
## 8912049	0.0061636473	0.0660222022	2.885187e-01	-0.1314892461	-0.0709403831
## 8912055	-0.1790396843	0.0332274901	8.389451e-02	-0.2461333487	-0.2579985210
## 89122	-0.0016477257	-0.1633427141	-1.324081e-01	-0.1637857717	-0.1367514932
## 8912280	-0.0559403831	0.2681841452	5.779957e-02	0.0952388833	0.0427119765
## 8912284	0.1255554263	0.1414093600	-9.585276e-02	0.0279705108	0.0729528688
## 8912521	-0.0422990158	0.0055436927	4.239184e-02	-0.0398843426	-0.0552590470
## 8912909	-0.2801062786	-0.0800913729	1.149397e-02	0.2963089991	0.1832606862
## 8913	0.0472821131	0.0492889111	2.722602e-02	0.0062969409	0.0182463984
## 8913049	0.0300961171	0.5954302634	3.024921e-01	-0.3980981069	0.1143362891
## 89143601	-0.0163550324	0.0265531374	7.467398e-02	0.0750375339	-0.0037015856
## 89143602	0.2851530216	-0.4918244111	1.641108e-01	-0.6402110389	-0.0889349990
## 8915	0.0269228965	0.1040940153	-2.966170e-01	0.1511407912	-0.0593199673
## 891670	0.1259592995	0.0329095242	1.526490e-01	-0.0332302454	0.1151437747
## 891703	0.0776021339	0.0100469138	-6.387818e-02	-0.0012995222	-0.0839196252
## 891716	0.0975875669	0.0171249167	5.364156e-04	0.0085084248	0.0161438596
## 891923	0.0468793371	-0.0017843253	5.249831e-02	-0.0293215854	-0.0159126362
## 891936	0.0066181097	0.1053951094	2.151797e-01	0.0431393541	-0.1594334516
## 892189	0.1072977560	-0.0542629873	-4.427261e-02	-0.1490462378	-0.1511905474
## 892214	-0.1589985948	0.0405042945	-9.540253e-02	-0.0099337751	-0.1091867774
## 892399	-0.0684714297	0.0720500398	8.374099e-02	0.0963681864	-0.1375045494
## 892438	-0.1043061517	0.0199854897	1.373300e-01	-0.2632229121	-0.0770903748
## 892604	0.0854263078	0.1595742655	-4.744128e-02	-0.0155478332	0.0098076513
## 89263202	-0.1725372465	-0.1247292355	-3.352139e-01	-0.1842164355	-0.0399519744
## 892657	0.1283791959	-0.1098893078	-8.969610e-03	0.1181153687	0.0397903273
## 89296	0.0579747803	-0.0034404832	-6.115857e-02	0.0399284227	0.0589087809
## 893061	-0.0179144151	0.0191088022	-6.319100e-02	0.0423763044	0.0500957672
## 89344	-0.0193812455	0.3415216581	9.611433e-02	0.0545940494	0.0372867803
## 89346	-0.1062457221	0.0345571484	5.168785e-02	-0.0825010573	-0.1709237817
## 893526	-0.0332183863	0.1319078945	1.486769e-01	-0.0027010965	0.0329707976
## 893548	-0.0423890449	0.0755411621	1.368933e-02	0.0009231262	0.0275696733
## 893783	0.0894250877	-0.1416755129	1.486085e-01	-0.0303380334	-0.0287604254
## 89382601	-0.1204670578	0.0143303401	-2.282857e-02	-0.0871956863	-0.0665264759
## 89382602	0.0363737612	0.0305823672	-9.361060e-02	0.0419737874	0.0043856309
## 893988	0.1361987732	-0.0473967315	1.009175e-01	0.1133190044	-0.0196064347
## 894047	-0.1681178419	-0.5855973783	-3.978134e-01	0.2391673229	-0.0271236130
## 894089	0.1307500824	0.0054520120	6.438350e-02	0.0141659645	0.0037573008
## 894090	-0.0709084985	0.1202649025	8.146125e-02	-0.0014830990	-0.1172686455
## 894326	0.0052617361	0.0122268077	-6.947836e-02	-0.0494340306	0.0795562861
## 894329	-0.0247947994	-0.0347624344	1.191291e-01	-0.2449056922	-0.0829404993
## 894335	0.1563741983	0.0823472718	1.046359e-01	-0.0397769158	-0.1154951993
## 894604	0.1323227199	0.0500630216	-1.078999e-01	-0.2583100738	-0.0157515838
## 894618	0.0640060651	-0.0144577274	5.912777e-03	-0.0760065160	-0.0439209721
## 894855	-0.1754054947	-0.0641489970	-1.795225e-01	0.0382178811	0.0141238498
## 895100	0.0435411402	0.0755409518	7.176018e-02	0.1529354503	-0.0023311884
## 89511501	-0.0770303561	0.1093490165	1.436450e-03	0.0524454726	-0.0921849719
## 89511502	0.1498407850	-0.0058063339	9.670236e-02	0.0954178141	0.0946766950
## 89524	0.0210280004	0.1574832375	2.031793e-02	-0.0065621243	-0.0160315249
## 895299	0.0118916661	0.0576633586	4.487270e-03	-0.0790272613	-0.0632766829
## 8953902	-0.2017386600	0.0416237508	1.260261e-01	0.0585570939	-0.1012969876
## 895633	-0.0307844139	0.1771917416	-9.179344e-02	-0.2293132698	-0.0364655954
## 896839	0.0675806388	-0.1599562906	-1.802517e-01	0.0134278792	-0.0158110877
## 896864	0.1584405886	-0.2240196469	2.841299e-02	0.1527066450	0.1002162969

## 897132	0.0554024832	-0.0106718651	3.772549e-02	0.0739356388	0.0595961420
## 897137	-0.1804721118	0.1863579187	1.526429e-01	0.0270508295	-0.0952060171
## 897374	-0.1722866586	0.1118078089	1.027824e-01	-0.0579933331	-0.0718227119
## 89742801	-0.4406938771	-0.1185551117	-1.021070e-01	0.0808540663	-0.0388498952
## 897604	-0.0166058998	0.0753598960	-1.673156e-01	-0.1454966521	0.0884728655
## 897630	-0.0426489588	-0.1276660353	-2.540048e-02	-0.1547491044	-0.0398592453
## 897880	0.0496498233	-0.0014560954	-6.804934e-03	0.0546181438	0.0559208755
## 89812	0.1260013993	0.2302910268	2.697330e-01	0.0986525411	-0.1072451982
## 89813	-0.0513658932	-0.2706243346	-1.825089e-01	-0.0269983135	0.0260255900
## 898143	-0.1400771426	-0.1592083408	-5.743311e-03	-0.0971432330	-0.2176794045
## 89827	0.0004474165	-0.0950021327	-7.854093e-02	0.0749693728	0.0697136045
## 898431	-0.4411488718	-0.1066038359	-9.846925e-02	0.1435810774	0.0111032267
## 89864002	-0.1119577804	-0.0689397196	1.201122e-02	0.0938932586	-0.0037422331
## 898677	0.0082550834	-0.0635324658	4.878671e-02	-0.0603886508	0.1389374318
## 898678	-0.0383648376	0.1969142382	4.517753e-02	-0.0303553905	0.0523315363
## 89869	0.0279241117	-0.0786297359	-7.174673e-02	0.0350504919	0.1850126955
## 898690	0.1278967639	0.2146406685	1.210090e-01	0.0271655527	0.1154009068
## 899147	-0.0004615286	0.0276291483	5.006235e-02	-0.0548082662	0.0558429992
## 899187	0.0275592917	0.0537676277	1.451095e-02	0.0082236013	0.0009948128
## 899667	-0.0726839182	0.2409904803	-3.407956e-02	-0.2187105144	0.0552651709
## 899987	0.2886257323	0.2696377063	2.790016e-01	0.3620797422	-0.4238626098
## 9010018	-0.0091723753	0.0487562712	2.010039e-02	-0.1737732029	0.0566915587
## 901011	-0.1360964486	0.1906190355	1.897326e-01	0.0084397063	-0.1152481953
## 9010258	-0.0256320507	0.1907924663	5.089101e-02	0.1013839111	0.0691070390
## 9010259	-0.0411695232	0.0358373734	2.320035e-02	0.1133862464	0.0624893858
## 901028	-0.2885586974	0.0784731205	-9.739309e-03	-0.0874855180	-0.0297684558
## 9010333	-0.2408557256	0.1082122384	2.815897e-02	0.0807684948	-0.1187718156
## 901034301	-0.1962611511	-0.0166306879	-1.946583e-01	-0.0688869014	-0.1126096223
## 901034302	0.0346629395	0.0850128176	3.488674e-02	0.0356471287	-0.0344347567
## 901041	-0.0795505351	0.0282659913	-5.848382e-02	0.0610340819	-0.0718698375
## 9010598	0.0164841203	-0.1434418961	-2.784699e-02	-0.0687100106	-0.0591064688
## 9010872	0.0014422480	0.0041801189	5.715682e-02	-0.0722436153	-0.0475344664
## 9010877	0.1412840554	0.0694193070	-5.871105e-03	0.0145527182	0.0389700365
## 901088	0.1761888138	-0.2230891843	-1.553596e-01	0.0459215509	0.0241405698
## 9011494	-0.0380327600	0.2048712046	-3.291865e-01	-0.0564420140	-0.0399626871
## 9011495	0.0916846969	-0.1818295689	8.019881e-02	0.0521211669	-0.0065334421
## 9011971	0.1503734367	0.0358689149	1.610837e-01	0.0224564049	0.2393225825
## 9012000	0.0257278681	0.0912851041	-1.804744e-01	0.2919532506	0.0880046615
## 9012315	0.1614605379	-0.4347515418	6.108496e-02	-0.1812204859	0.1363622053
## 9012568	0.0593266847	0.0445037552	7.089414e-03	0.0025516233	-0.0597606582
## 9012795	-0.2379071139	0.0909867771	-1.393259e-01	-0.0365566691	-0.0293749486
## 901288	0.1371863492	-0.2443319223	-1.319252e-01	0.0115020589	-0.1567813559
## 9013005	0.0278012425	0.0702881250	6.119257e-02	0.1306479831	-0.0232092491
## 901303	0.1022765300	-0.0193183824	-4.476826e-02	-0.0690247668	0.1924071668
## 901315	-0.0744847295	-0.0629016902	1.190201e-01	0.3368598726	0.1481229975
## 9013579	0.0899831142	-0.0781421641	2.419108e-02	0.0692509851	-0.0292396243
## 9013594	0.1294427588	0.0375346486	2.253888e-02	0.1271343672	0.0594046933
## 9013838	0.1660175210	-0.4131532227	-3.139968e-01	-0.0302281310	-0.7739469995
## 901549	-0.1745452433	0.0253088952	-4.426586e-02	0.1026174484	-0.0209835475
## 901836	0.0319615134	-0.0968231219	2.486895e-03	0.0071948356	-0.1162327543
## 90250	0.0134316255	-0.1698369175	1.703009e-01	0.0950466642	-0.0147075625
## 90251	-0.0168788256	0.2633324244	-8.091259e-02	0.2010601718	0.2888067011
## 902727	0.1726813806	-0.1350715961	5.750131e-02	0.1044684462	-0.0284292234
## 90291	-0.0544663850	-0.0567945101	-4.282797e-02	-0.0304196377	-0.0068888905

## 902975	-0.1919506336	0.0146756846	-9.445196e-03	-0.0015569820	0.0681560852
## 902976	-0.0506475131	0.0659827649	4.593100e-02	-0.0530368572	0.0198517727
## 903011	-0.1081337224	-0.0851867667	-7.159536e-04	0.0621432089	0.0011260706
## 90312	0.0065451529	0.0040075378	4.737942e-01	0.1513053033	-0.0962542243
## 90317302	0.0798138560	-0.0509680732	9.356854e-03	0.0622984236	-0.0899368336
## 903483	-0.0342672160	-0.3138320113	-2.166716e-01	0.0511732722	-0.0163250052
## 903507	-0.1410053670	0.0209689852	-1.014002e-03	0.0368520285	0.1853021199
## 903516	0.1814668966	0.0199690432	4.537036e-02	-0.0069415733	-0.3393143357
## 903554	0.0970833511	0.0376140702	9.688994e-02	-0.0522451115	0.0363768619
## 903811	-0.0679440706	0.0226862964	-5.359120e-02	0.0076630986	-0.0666969142
## 90401601	0.0520232709	-0.1845804346	-3.183432e-02	-0.0485868108	0.0871356802
## 90401602	0.0516462484	0.2542501079	-7.778933e-02	0.0407315105	0.0964405254
## 904302	-0.0664717906	0.0794885358	5.522178e-02	0.0037788803	0.0329838268
## 904357	-0.1373826082	0.1529384093	-5.524373e-02	-0.0052282533	0.0217460915
## 90439701	0.0701893451	0.0904031221	5.966770e-01	-0.1366247545	0.2058619450
## 904647	-0.1958065408	0.1903036506	4.447664e-02	0.0001518732	-0.0192018375
## 904689	-0.0764439741	0.0022668440	6.813931e-02	0.1299173710	-0.0130984251
## 9047	-0.0005605771	-0.1188898741	3.607053e-02	-0.0682669845	0.0961245964
## 904969	-0.0735922415	0.1016922552	-9.346657e-03	-0.0113661089	-0.1158271490
## 904971	-0.1399647319	-0.0635678790	-1.921571e-02	0.0509664252	-0.0710667356
## 905189	-0.1076709172	-0.2238560686	-8.967892e-02	-0.0694107063	0.0580830537
## 905190	0.1891398220	0.1067109845	2.301607e-02	-0.3244498446	0.0501422127
## 90524101	0.2253532853	-0.1074340260	-2.945675e-01	0.0927327372	-0.1439856530
## 905501	-0.0896336855	0.0996401090	-5.609504e-02	-0.0897062684	0.0118034238
## 905502	-0.7366473928	0.1336251696	5.346571e-02	-0.1429211545	-0.1088212894
## 905520	-0.1076302612	0.0540276967	8.365838e-02	0.0369696956	0.0419193896
## 905539	-0.0375866316	0.1573304199	1.040715e-01	0.1176471451	-0.0160294183
## 905557	-0.1955876789	0.0416847768	-1.953204e-01	-0.0029272382	0.0481788239
## 905680	0.0053651429	0.0318672971	4.882022e-02	-0.0546461536	0.0264471756
## 905686	-0.0272013354	-0.1232445513	-1.828692e-01	-0.0019516063	-0.0420903855
## 905978	0.0220627155	-0.0128016329	8.695392e-03	0.0707134339	-0.0175760032
## 90602302	-0.0455105175	0.0118264417	-2.117105e-01	-0.0410945327	0.2094259410
## 906024	-0.0381590783	0.2363908623	3.464989e-02	0.0506176283	0.0479167769
## 906290	0.0299149751	-0.0102050397	3.395062e-02	0.0679229669	0.0093121130
## 906539	-0.1007917170	-0.0008546132	-3.289623e-02	0.0419825632	0.0867707462
## 906564	-0.2012672707	-0.0303093436	-4.373046e-02	-0.0385360656	0.0802442404
## 906616	0.1740700676	0.0148607318	5.281553e-02	-0.0340422844	0.0564039328
## 906878	-0.0842418547	-0.0774944392	-7.580155e-02	0.0265567982	0.0751697968
## 907145	-0.1499592089	-0.1972912739	-2.082580e-01	-0.0618658693	-0.1733999073
## 907367	-0.1158352298	0.1689739828	2.628463e-02	0.0015121747	-0.0385982618
## 907409	-0.2091274316	0.0381022066	-1.465234e-01	0.0469096983	0.0093545118
## 90745	-0.1974883617	0.0440283053	4.286339e-02	0.0278393156	-0.0021390933
## 90769601	0.0280324450	0.0110752882	4.938091e-02	0.0468212235	-0.0475411497
## 90769602	-0.0003045670	0.1191483148	-1.473899e-02	0.0404284250	-0.0853419262
## 907914	-0.0168259172	-0.3294726515	2.385900e-01	0.2707826090	0.0067902695
## 907915	0.0019578175	-0.1048584729	5.720205e-02	0.2539090880	0.1365988878
## 908194	0.0540536451	-0.0444643004	1.129768e-01	-0.0536100469	-0.0569430532
## 908445	0.1653342497	0.1274114679	-1.384038e-01	-0.4325870571	-0.1346793532
## 908469	0.1146329007	-0.0027134094	-8.200389e-02	-0.1730890191	-0.0144790390
## 908489	-0.2200985970	0.1006178156	-1.368833e-01	0.0531833989	0.1099756348
## 908916	-0.0304001780	-0.0572935134	-7.070516e-02	-0.0206441474	-0.0133543585
## 909220	-0.1368029275	0.0061230585	-5.591505e-02	-0.0478389719	-0.0403940458
## 909231	-0.0793001591	0.1044417028	-3.418081e-02	-0.0147955293	0.0745168721
## 909410	-0.0183452898	0.0548935007	-7.683394e-06	0.0347796156	0.0111744231

## 909411	-0.2417576781	-0.2788907229	-1.319303e-01	0.1618054403	-0.0426221634
## 909445	0.1580000777	-0.1834404534	2.574778e-03	-0.2487273459	-0.1217502618
## 90944601	-0.0033159852	0.0138414933	-3.660394e-02	-0.0753821955	0.0326697599
## 909777	0.3622838313	-0.1054437191	2.685140e-01	0.2085319045	0.0217954689
## 9110127	0.0796960198	-0.1731144552	1.184470e-02	-0.1885035532	0.2537482075
## 9110720	-0.0472047714	-0.1698809252	-8.004756e-02	-0.0310899162	-0.0781274310
## 9110732	-0.2357417239	-0.3273223560	1.015880e-01	-0.0735782071	0.1269743445
## 9110944	0.0849379074	-0.2163203303	9.989555e-02	-0.0959688409	0.1189539833
## 911150	-0.1925398869	-0.2476888300	1.373175e-01	-0.0911925502	-0.0980712992
## 911157302	-0.3641253423	-0.1091531039	-3.505246e-01	-0.0347264802	-0.2398896114
## 9111596	0.0412613134	0.1024179683	2.475709e-02	-0.0993218275	0.0363300653
## 9111805	0.0393921606	-0.0600020038	6.233548e-02	-0.0872772974	-0.1328996352
## 9111843	-0.1256036884	0.0020564443	-1.380696e-02	0.0651525401	0.0281648503
## 911201	-0.0210571037	0.2003246196	3.443820e-03	0.1279633849	0.0160188982
## 911202	0.1437709369	-0.2026671856	2.112483e-03	0.0122183789	0.0910354686
## 9112085	-0.0993143795	0.1125780263	-7.237572e-02	-0.0188121874	0.0219217050
## 9112366	0.2095251172	-0.1582811034	1.815673e-02	-0.0622779942	0.0886025652
## 9112367	-0.0445625200	0.0303823967	8.587958e-02	-0.0363677802	0.0095120561
## 9112594	0.1179109336	0.0552925203	-5.780069e-02	0.0446132547	-0.0287999708
## 9112712	0.0373899768	0.0943796609	-6.720716e-02	0.1239991414	0.0036936253
## 911296201	0.0994516170	0.0904411225	-3.219956e-02	-0.0948167324	0.1494918013
## 911296202	0.6741587188	-0.3922995762	8.067987e-01	0.1458860828	0.1590987011
## 9113156	0.0117687816	-0.0366010393	-2.435697e-02	0.0133468658	-0.0533843842
## 911320501	0.1696982514	-0.0091121369	9.413379e-02	0.0581625970	0.0813926896
## 911320502	0.1565766418	0.0392891899	-6.951708e-02	-0.0302419643	-0.0964673018
## 9113239	-0.2234788434	-0.1213593696	1.682367e-02	0.3439716722	0.2397632119
## 9113455	0.1916421845	-0.2013766436	1.329737e-01	-0.0714516285	-0.0844969219
## 9113514	0.0419869330	0.0999656989	6.741788e-02	0.0033475535	-0.0870013668
## 9113538	0.0680035335	0.1272163054	-2.164847e-03	-0.4699301520	0.1415257001
## 911366	0.0684741059	-0.1754211846	-1.375369e-01	-0.0203658968	0.0835068775
## 9113778	-0.1432696762	0.1050453261	-7.255567e-02	0.0628878477	-0.0102102586
## 9113816	0.4132059354	-0.1253744570	-2.372379e-02	0.0689106194	0.0632012566
## 911384	0.0801477782	-0.0994904279	-7.551916e-02	0.0231996252	0.1031441886
## 9113846	0.3744615653	-0.2166879487	-2.056099e-01	0.0225950366	0.1145355103
## 911391	-0.0028374238	-0.0024283917	3.394618e-03	0.1226650174	-0.0657781843
## 911408	0.2074374506	-0.1946890651	8.574414e-02	0.0375255535	-0.0176623189
## 911654	0.0077541911	-0.1691781741	-2.393995e-01	0.0235301019	-0.0142543889
## 911673	-0.1274779565	0.1059211446	-1.420760e-02	0.1274986616	-0.0504357570
## 911685	-0.1752435869	0.0647906068	-1.963559e-02	0.0512455781	0.1507897689
## 911916	0.0741405793	-0.0683683718	3.014739e-01	0.1056563632	0.0291503627
## 912193	-0.2908519435	-0.0150945457	-3.992097e-02	-0.0606607864	-0.1823717944
## 91227	-0.1718005261	0.0776043939	-1.207006e-01	-0.0681632290	0.1262100777
## 912519	0.1601295941	0.0931232896	-2.046626e-01	0.0663637286	0.1799645400
## 912558	-0.0492504351	-0.1541041794	-1.239617e-02	-0.1114961587	0.0304119543
## 912600	0.1618240979	-0.1260922761	-4.885764e-03	-0.0695939217	0.0167158472
## 913063	-0.4459029701	-0.0955926343	2.079300e-01	0.4035059614	0.0203477558
## 913102	-0.1411106697	-0.0359464998	1.001449e-01	-0.0894683013	-0.0941013165
## 913505	-0.2558123584	0.0883016437	1.159603e-01	-0.1818387487	-0.0790781079
## 913512	-0.0136545293	-0.0515281909	-1.936755e-02	0.0442112419	0.1645016909
## 913535	0.2669916390	-0.2670016650	2.284507e-01	0.0042597084	-0.0555873751
## 91376701	-0.0535814976	0.0775740576	5.386731e-02	0.0309546385	-0.0198687085
## 91376702	-0.1135163594	0.0475542839	-1.739836e-01	-0.1444633296	-0.0339643106
## 914062	-0.0602203735	0.0189780745	-1.063966e-01	-0.0105156590	0.0800763820
## 914101	-0.0687773666	-0.1016273418	3.828534e-02	-0.0499980530	-0.1182422028

## 914102	-0.1582220042	0.1122348479	-7.618847e-02	-0.0213837212	-0.0990125083
## 914333	-0.0283047989	0.0780852815	4.581743e-02	-0.0558049130	0.0260473433
## 914366	0.3363330523	-0.0354564885	-7.149409e-02	0.0352965454	0.0652322179
## 914580	0.1034776270	-0.1754064399	-6.651803e-02	0.0641182475	-0.0794539356
## 914769	-0.0481731383	0.1476443912	-2.255443e-01	-0.2411787219	-0.1401067009
## 91485	-0.3277170244	-0.0214895498	3.656111e-03	-0.0532268599	-0.0078440385
## 914862	0.0437030758	0.0874188865	-1.731452e-01	-0.2215054214	0.0636572848
## 91504	0.1413515432	0.3248988272	1.369943e-01	-0.1227243079	0.1005775264
## 91505	0.0631491852	-0.1003537623	9.887905e-02	-0.1298086318	0.0183798448
## 915143	0.0312549171	-0.1818324231	9.877624e-03	0.2570654313	-0.1507681423
## 915186	-0.1123521419	-0.2210885176	4.119637e-01	-0.1621171978	-0.0747037425
## 915276	0.0311085932	-0.0043112438	-1.554371e-01	-0.1615159870	0.1462901120
## 91544001	0.0117125024	-0.3190203960	1.446060e-01	-0.2152535411	0.1095516050
## 91544002	-0.0780488273	-0.0636343159	3.972090e-03	0.1126306367	0.0411398608
## 915452	0.0986046838	-0.0827229223	-1.284032e-01	-0.0343611021	0.0523426687
## 915460	-0.1798850375	-0.1992963775	6.385868e-02	-0.0463180154	0.0313154612
## 91550	0.0150364127	-0.0385701112	7.653051e-02	-0.1113571741	0.0360291268
## 915664	-0.0399284189	-0.0539012945	7.707678e-02	0.0558295772	0.0042648705
## 915691	-0.2665292246	-0.1931822640	-1.711874e-01	0.0110864948	0.1055062492
## 915940	0.0088321206	0.0921322424	-1.336851e-02	-0.0527803820	0.0566613849
## 91594602	-0.2238695921	-0.1543697584	-1.442546e-01	-0.1354297203	-0.0721716862
## 916221	0.1858416020	-0.0891651817	5.090259e-02	-0.0673758027	0.0224514622
## 916799	0.1810812819	0.0867360333	1.384049e-01	-0.1324629140	-0.0090377647
## 916838	-0.0396300818	0.0422971304	1.048030e-02	0.0496241700	-0.0785177188
## 917062	0.0597489899	0.0732309633	-2.120701e-01	-0.0717921176	0.0189229270
## 917080	0.0274380655	-0.0214256895	-8.224662e-02	-0.0195345168	0.1063930278
## 917092	-0.0741127018	-0.0905924637	1.342385e-01	-0.0470197036	-0.1108311481
## 91762702	0.0627752410	-0.0421343311	-1.723356e-01	0.0155013766	-0.0518260244
## 91789	-0.0824384780	0.0250013489	1.149064e-01	0.0039590058	-0.0546444196
## 917896	0.0249831764	-0.1507464018	-1.414050e-01	-0.1099078444	-0.0255135349
## 917897	-0.0373629133	0.2096402441	-8.633648e-02	0.1116312807	-0.1001301363
## 91805	0.0838390278	0.1079865972	3.450158e-02	0.1719735169	0.0591756828
## 91813701	0.3318483108	-0.2947450685	-1.906989e-01	0.0550575235	0.1471686399
## 91813702	-0.0007428400	-0.0794869253	-9.811836e-02	0.0489272789	-0.0264873014
## 918192	0.3705852161	-0.0223391489	5.075365e-01	0.0399525672	-0.1697663841
## 918465	0.1250829277	-0.0366604171	4.389193e-02	-0.0069134401	0.0520789685
## 91858	-0.2510653323	0.0340772274	-8.753856e-02	-0.0982485755	-0.1114855027
## 91903901	0.0047666490	-0.0781373344	7.655868e-02	-0.0380683743	-0.1246895793
## 91903902	0.1415752357	-0.1501413208	-1.183314e-01	0.0132847088	0.1539406806
## 91930402	0.1023467340	0.1517558697	-1.320795e-01	-0.2665377512	-0.1282250448
## 919537	-0.0025279486	0.1124682587	-1.477884e-01	0.0405273999	0.0306409909
## 919555	0.0791481775	-0.0502756205	-2.639892e-01	-0.0744509737	0.0008455486
## 91979701	-0.2740650665	-0.0002925086	1.707404e-01	0.1095625155	0.0994614805
## 919812	0.2606428739	-0.1601463771	-1.178442e-01	0.0390099169	0.0633318332
## 921092	-0.0413794118	-0.0604094030	-2.811241e-02	0.1403114024	-0.0330961759
## 921362	0.1154812600	0.2581934783	-7.793227e-02	-0.0711976819	0.0410671686
## 921385	0.1535435455	0.0239799396	-8.839128e-02	-0.1178975803	0.0735661058
## 921386	-0.0679373594	-0.1118336346	1.683499e-01	0.1715550493	0.0572524009
## 921644	0.0110374761	-0.1705246655	-5.717170e-02	-0.0128147660	0.1232452688
## 922296	-0.0656376005	0.0115407705	-1.397186e-01	-0.0441481701	-0.0402201549
## 922297	0.0641597728	-0.0257372276	-1.306238e-01	-0.0130286164	0.0536290674
## 922576	0.1105362335	0.0476875761	-8.635963e-02	-0.0603229788	0.0296765078
## 922577	-0.0262990959	0.0723866365	1.742109e-01	0.0600842055	-0.0903222486
## 922840	0.0494065172	0.0747923167	1.121067e-01	0.0931615209	-0.0064837083

##	923169	0.0420616613	0.1434447978	2.151116e-01	0.0669104550	-0.0548411936
##	923465	0.0732487201	0.0198345047	-9.193927e-02	-0.0172044830	-0.0976366593
##	923748	-0.0119356005	0.0136962943	-1.528663e-01	0.0443186800	0.0072493585
##	923780	-0.0388647303	-0.0294327168	-1.437595e-03	0.0211029594	-0.0051501501
##	924084	0.0994771923	-0.0523366815	-3.192496e-03	-0.0208073885	-0.0508996216
##	924342	0.1162426476	0.0972882879	7.659123e-02	0.1633788667	-0.1343697535
##	924632	0.0389261142	0.0150285734	-2.689412e-02	0.0451796495	0.0452185715
##	924934	0.3942051539	0.1442763873	7.512395e-02	0.1142014279	0.1297250296
##	924964	0.2658959188	-0.0852756994	-1.773711e-02	0.0573839788	0.0860394792
##	925236	0.2548848500	-0.1344057649	-2.695888e-01	0.1253596547	0.1409818413
##	925277	0.0974032157	-0.0506046046	4.281686e-03	0.0074148594	0.1833745030
##	925291	0.0104818333	-0.0097405680	3.344908e-02	-0.0084439272	0.0371458564
##	925292	0.0720893347	0.0359652007	4.155828e-02	0.0841586957	0.0655886608
##	925311	0.6438555162	-0.1160958384	-1.348357e-01	0.0778267477	0.2155456879
##	925622	-0.3366411323	-0.5256708725	4.037840e-01	-0.2315981974	-0.0744296594
##	926125	-0.2819119524	-0.0637883885	3.027516e-01	0.3971743169	0.1344740836
##	926424	0.0068818177	0.0669407679	8.851262e-02	-0.1078034921	-0.2193267810
##	926682	-0.0097931016	-0.0195459671	-5.535634e-02	-0.0860588433	-0.0011958031
##	926954	-0.0365600992	-0.0632967943	-2.001358e-01	0.0447797442	-0.0024266219
##	927241	0.1405238587	0.0424409640	1.686715e-01	0.1957966922	-0.3774982893
##	92751	0.2744382324	0.2430237050	3.788121e-02	0.0750448656	0.0174926193
##		PC26	PC27	PC28	PC29	PC30
##	842302	-0.2013263051	-2.523629e-01	-3.388464e-02	4.560759e-02	4.712774e-02
##	842517	-0.0410926274	1.811108e-01	3.259550e-02	-5.682424e-03	1.866234e-03
##	84300903	0.0047312486	4.952586e-02	4.698448e-02	3.143131e-03	-7.498749e-04
##	84348301	-0.2749828222	1.833008e-01	4.244698e-02	-6.923387e-02	1.991989e-02
##	84358402	0.0392197801	3.213957e-02	-3.475564e-02	5.033481e-03	-2.119512e-02
##	843786	-0.0302723330	-8.438081e-02	7.296587e-04	-1.970400e-02	-3.456433e-03
##	844359	-0.0267249755	2.074464e-02	-4.673321e-02	-1.296846e-02	-5.468279e-03
##	84458202	-0.0594137473	6.662113e-02	2.615274e-02	-2.859407e-03	-1.696347e-03
##	844981	-0.0549994685	3.829073e-02	3.712728e-02	1.169858e-02	-5.276735e-03
##	84501001	0.3108206873	-2.849340e-03	1.356126e-01	3.775496e-02	-3.823914e-03
##	845636	-0.0011132902	-1.675329e-02	-1.787033e-02	-8.472303e-04	8.589286e-03
##	84610002	-0.0988438257	-5.025511e-02	1.672603e-02	-8.893782e-03	-2.264877e-02
##	846226	0.1544995990	-1.601695e-01	2.189479e-01	-4.168578e-02	-3.128057e-02
##	846381	0.0185216253	-6.094451e-03	-2.104929e-02	1.333681e-02	-5.901062e-03
##	84667401	-0.1817110172	1.686671e-01	-1.248878e-02	5.471581e-02	2.767104e-03
##	84799002	-0.0132177128	-1.545333e-01	-8.311679e-02	3.490813e-02	-4.127870e-03
##	848406	-0.0741980103	1.496604e-02	1.660988e-03	-2.340097e-02	-1.378581e-02
##	84862001	0.0998664510	-7.732604e-02	6.074890e-02	-9.698796e-03	-1.266565e-02
##	849014	0.0289918326	-5.273101e-02	-1.596623e-03	4.840404e-02	5.987472e-03
##	8510426	0.0314450550	-5.423713e-02	9.789698e-03	7.673122e-03	1.840938e-03
##	8510653	0.0355362005	-9.840364e-02	-1.503860e-02	-1.881974e-02	-1.131431e-02
##	8510824	-0.0038246508	4.633703e-02	-1.209599e-02	-6.511882e-03	-8.590024e-03
##	8511133	-0.1164538409	-2.216492e-02	1.015524e-03	-1.634073e-02	1.872530e-02
##	851509	0.0916050281	1.468242e-01	6.867301e-02	1.786932e-02	1.386952e-02
##	852552	-0.0874379704	-1.431175e-01	3.447092e-03	-2.255543e-02	-3.999663e-03
##	852631	-0.0677237649	-4.147013e-02	-2.951161e-02	-1.657229e-02	-3.178130e-03
##	852763	-0.0357830509	6.090625e-02	-2.388746e-02	5.642173e-03	-1.339863e-02
##	852781	-0.0483807591	7.474866e-02	-1.755439e-02	2.208178e-02	-8.553100e-03
##	852973	-0.0463898691	-2.400501e-01	-1.852092e-01	-1.492340e-02	9.578804e-04
##	853201	0.0860853392	-1.294573e-01	1.125290e-02	3.714214e-02	2.014350e-03
##	853401	0.1964367931	-2.131927e-01	-9.860072e-02	2.126908e-02	1.608133e-02
##	853612	0.0582729648	-2.306134e-01	-1.768593e-01	-7.475334e-02	-1.128161e-03

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## 85382601 -0.1339382974 -1.253022e-01 1.125350e-01 -4.434909e-03 1.886774e-03
## 854002 -0.0291953182 4.075234e-02 1.254330e-02 1.420997e-02 -1.165588e-02
## 854039 0.0209466264 -2.240063e-02 4.957060e-02 5.795811e-03 -3.132503e-02
## 854253 0.0848362899 1.615390e-01 -1.339550e-02 3.934955e-02 3.490852e-03
## 854268 -0.0342079425 -6.060832e-02 -1.122619e-01 6.738025e-02 1.370542e-02
## 854941 -0.0875148451 -1.650241e-01 -3.219827e-02 -1.617018e-02 5.144779e-04
## 855133 0.1758886282 1.604604e-01 5.386968e-02 1.842240e-01 1.989133e-02
## 855138 -0.1021726527 1.289034e-01 -7.427828e-02 2.945002e-02 2.146481e-03
## 855167 -0.0714635560 7.019861e-02 1.158537e-02 -2.247350e-02 -1.566702e-02
## 855563 0.1507064526 -3.820128e-03 -4.882003e-02 2.547541e-03 2.308071e-03
## 855625 -0.0097682136 -2.479041e-02 -7.096251e-02 -1.155836e-02 1.589353e-02
## 856106 0.0612412639 -1.019745e-01 -1.370845e-03 -7.961068e-02 -1.397809e-02
## 85638502 -0.0171718343 -4.877762e-02 1.425226e-02 -7.139958e-02 -1.085998e-02
## 857010 0.1332320422 1.573983e-02 5.422979e-02 -6.387622e-03 -7.213235e-03
## 85713702 0.1425991752 5.474195e-02 -1.825670e-02 -2.922901e-02 -2.649774e-03
## 85715 0.0028553147 1.498919e-02 1.783116e-02 3.335616e-02 -1.785149e-03
## 857155 0.1324480590 -2.199369e-03 3.816358e-03 -1.275649e-02 -8.411835e-04
## 857156 0.0241950429 3.299221e-02 -8.502787e-03 -1.188563e-02 -2.865884e-03
## 857343 -0.0209776680 6.139058e-02 -9.541691e-03 1.959516e-02 4.711585e-04
## 857373 -0.0739111736 3.792347e-02 -1.418360e-02 2.929794e-02 7.270380e-03
## 857374 -0.0893671777 -1.803353e-02 4.758468e-03 -2.715377e-04 1.642671e-03
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## 858477 0.0400160356 -1.686265e-02 -1.071847e-02 1.590382e-02 -6.883016e-03
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## 858981 0.0788845808 2.201995e-01 -2.946023e-02 -1.562093e-02 5.269029e-03
## 858986 -0.0098332379 -1.134152e-03 9.638361e-02 2.795349e-03 -1.901582e-02
## 859196 0.0335429502 5.289948e-02 -8.110426e-02 -1.615960e-02 -1.141707e-02
## 85922302 -0.0290360085 -1.228215e-01 9.356070e-03 -8.243027e-02 -4.849783e-03
## 859283 0.0465312637 -1.922755e-01 1.659535e-02 6.820462e-03 3.908128e-03
## 859464 0.0604134233 9.187789e-02 -1.975320e-02 9.282008e-03 5.559412e-03
## 859465 0.0761632336 -9.449785e-03 3.607516e-02 1.644550e-02 3.225830e-03
## 859471 0.2804283970 -2.445271e-02 6.842730e-03 7.394054e-03 -1.258908e-02
## 859487 0.0091579194 -5.251089e-02 1.240814e-02 1.391723e-02 6.642330e-03
## 859575 -0.0668453796 -1.379328e-02 -4.034711e-02 -4.567540e-02 -1.497659e-05
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## 8610637 0.0028980342 -1.148445e-01 -4.691931e-03 5.128264e-02 2.095843e-02
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## 8610908 0.0603063922 7.898511e-02 1.797480e-02 7.861041e-03 -4.882806e-03
## 861103 -0.0093357855 -4.725720e-02 -2.313927e-02 -4.685092e-03 -5.544045e-03
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## 8611555 0.1532547175 2.065368e-01 -6.524724e-02 -2.149175e-02 6.506712e-03
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## 8612080 0.0007406985 4.610443e-02 -3.731944e-04 -1.674579e-02 -8.527853e-03
## 8612399 -0.0331782104 -7.289186e-02 -4.793390e-02 -1.125719e-02 -1.093361e-02

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## 86135501	-0.0897923772	3.869966e-02	1.113252e-02	-1.599296e-02	9.423312e-03
## 86135502	0.0997869683	-2.630915e-02	5.753144e-02	-1.604379e-01	3.833652e-02
## 861597	0.0314408018	-5.616749e-03	-1.563489e-02	1.027323e-02	6.715216e-03
## 861598	0.0664403562	-1.205373e-02	2.007444e-02	2.728987e-02	7.404621e-03
## 861648	-0.0003730261	-1.122276e-02	2.580197e-03	9.258593e-03	-8.194443e-03
## 861799	0.0128416323	-2.061422e-01	-2.391746e-03	2.073897e-02	-1.300581e-03
## 861853	-0.0569819083	2.149318e-02	2.606583e-03	-6.390703e-02	-1.160386e-02
## 862009	-0.0083745308	2.504138e-02	2.196984e-02	-1.134910e-02	-1.335217e-03
## 862028	-0.0497851056	-4.559731e-02	4.608258e-02	-1.812182e-02	-1.283830e-02
## 86208	0.1201800560	4.208440e-02	3.674203e-03	-2.057035e-02	5.126475e-03
## 86211	-0.0506141608	-5.027953e-02	-2.802634e-02	3.203650e-03	-4.353658e-04
## 862261	-0.0312503688	7.193844e-02	-9.341616e-03	2.552925e-03	-1.402809e-02
## 862485	0.0844032885	-1.349955e-01	9.281856e-03	4.750116e-03	-3.466455e-03
## 862548	-0.0257304933	-5.673535e-02	9.393122e-04	1.313570e-02	-7.638205e-03
## 862717	-0.0025631120	1.356357e-03	1.644737e-02	-3.823881e-02	-9.833806e-03
## 862722	0.1064206394	1.519109e-01	-4.087998e-02	-4.398503e-02	-1.438949e-03
## 862965	-0.0140467040	3.459111e-02	2.954355e-04	1.254899e-02	-2.957340e-04
## 862980	0.1847666902	5.359975e-02	-8.938925e-03	-3.344707e-03	3.673153e-03
## 862989	0.0211923117	5.879791e-02	-1.571216e-02	-1.570264e-02	-8.774836e-03
## 863030	-0.0232042053	4.932440e-02	1.155743e-02	-1.955738e-02	2.994340e-03
## 863031	0.0047096088	1.265146e-01	1.027214e-02	1.037018e-02	2.799425e-03
## 863270	0.0606735954	-1.540510e-02	2.302233e-02	2.966592e-02	2.369330e-03
## 86355	-0.3282574905	7.597204e-02	-4.208036e-02	5.752181e-03	1.961708e-02
## 864018	0.0296359776	-1.096758e-01	1.567934e-03	1.856333e-02	2.232873e-03
## 864033	-0.0464114027	6.782503e-02	-1.148012e-02	3.717658e-03	7.837625e-04
## 86408	-0.0523768243	-1.293519e-01	2.375350e-03	5.226188e-03	1.553986e-02
## 86409	-0.1891288061	1.521924e-01	7.250653e-02	-8.085429e-03	-5.721149e-04
## 864292	-0.0317323231	-1.046274e-02	-3.791760e-02	-4.603995e-03	-8.643990e-03
## 864496	0.0075563673	9.480868e-02	-5.016599e-02	2.620338e-02	-8.430096e-03
## 864685	-0.0503911791	1.785086e-02	2.192546e-02	1.495819e-04	-3.887868e-03
## 864726	0.0777033458	1.294349e-01	7.314377e-02	-2.121766e-02	-3.512427e-03
## 864729	-0.1234132759	-1.703396e-02	1.368415e-03	-4.179289e-03	6.831538e-03
## 864877	-0.0224658175	-1.080530e-01	9.287116e-02	1.743955e-03	-2.880034e-02
## 865128	0.1309244119	1.540883e-02	4.173716e-02	-6.394356e-03	3.945424e-02
## 865137	0.0508063449	-6.447124e-02	7.984368e-03	8.721731e-03	-1.275857e-02
## 86517	-0.1525315195	-6.004771e-02	3.475692e-02	9.488712e-03	2.183874e-02
## 865423	-0.2229870539	-2.472825e-02	-1.010000e-01	4.103202e-02	-2.125541e-04
## 865432	0.0418498033	-2.909973e-02	-1.592235e-02	1.748397e-02	5.563332e-03
## 865468	-0.0202921763	-5.942333e-02	5.064636e-02	3.555551e-03	-1.133817e-03
## 86561	-0.1121602734	-1.161802e-02	-1.407714e-02	-1.884080e-02	3.161868e-03
## 866083	-0.0257506726	-1.393456e-01	-5.830674e-02	-5.148794e-02	-8.016295e-03
## 866203	0.0876668247	2.343153e-02	5.135429e-03	-2.716794e-02	-3.988293e-04
## 866458	0.1187115289	-9.014834e-02	-9.844412e-03	-2.289141e-02	2.376357e-02
## 866674	-0.1706089520	7.382328e-02	1.538592e-02	5.700609e-03	3.355304e-02
## 866714	-0.0432871492	-2.692320e-03	-2.110486e-02	1.944582e-02	-9.803105e-04
## 8670	0.0011718217	-1.596438e-02	4.600205e-02	-3.640996e-02	-7.315411e-03
## 86730502	-0.0528996064	4.515608e-02	-1.839276e-02	-7.431547e-03	-5.422633e-03
## 867387	-0.0282699050	-1.184145e-02	-2.195837e-02	-1.263740e-02	-4.758611e-03
## 867739	0.1191672859	-3.904577e-02	1.757057e-02	1.638597e-02	-1.846504e-03
## 868202	-0.0227364289	-4.455291e-02	6.116922e-03	1.501203e-02	-7.453719e-03
## 868223	0.0238785713	7.539973e-02	-1.181029e-03	-1.745342e-02	-3.718782e-03
## 868682	0.0453529768	3.918415e-02	-9.718923e-03	-6.407847e-04	-8.921861e-04
## 868826	-0.0046654928	1.410890e-01	-3.285330e-02	4.483727e-02	2.993330e-02
## 868871	0.1495819096	1.751436e-02	-4.783602e-02	-2.357881e-02	-2.338267e-04

## 868999	-0.0077814350	4.950486e-02	7.386867e-03	-1.029275e-03	-2.315401e-03
## 869104	0.0199857883	-9.378889e-02	5.731649e-03	-5.278943e-03	-5.891067e-03
## 869218	0.0049677942	5.801943e-02	-2.392725e-02	-1.320679e-02	-4.310563e-03
## 869224	0.0043929369	-3.683012e-02	-2.305639e-02	1.838762e-02	-1.360631e-03
## 869254	0.0495119056	4.722858e-02	-1.055344e-02	-1.275491e-02	2.378069e-03
## 869476	-0.0263294206	-6.201771e-02	2.591795e-02	1.040242e-02	-1.781949e-02
## 869691	-0.0862135434	1.222878e-01	-8.321784e-03	2.277179e-03	-1.119635e-02
## 86973701	-0.0493239513	-3.627953e-03	2.379318e-02	-1.808326e-03	9.272048e-04
## 86973702	-0.0490175920	-2.581647e-02	-3.235618e-02	1.251382e-02	4.893394e-03
## 869931	-0.0423402825	5.330201e-02	3.199615e-02	-1.397318e-02	-9.593652e-03
## 871001501	-0.0734031813	-3.077032e-03	1.873760e-02	4.537366e-03	-8.726467e-03
## 871001502	0.0996617946	9.504622e-02	2.103335e-02	-1.545364e-02	1.359031e-02
## 8710441	-0.1390340354	-2.638579e-02	-3.366712e-02	1.779878e-02	-1.574621e-03
## 87106	-0.0365289819	-1.101000e-02	3.811133e-03	1.088321e-02	-7.351056e-03
## 8711002	-0.1315499734	2.241155e-02	-1.438139e-02	2.428473e-02	1.113668e-04
## 8711003	-0.0066142429	-3.117548e-02	2.147334e-02	5.902105e-03	-2.092831e-03
## 8711202	0.0059292226	-7.990834e-02	1.053452e-01	1.097157e-02	-1.879966e-03
## 8711216	-0.0208420277	1.045552e-01	-1.873284e-02	2.041273e-02	1.338303e-02
## 871122	-0.0347925369	5.128014e-02	1.544007e-03	1.585498e-02	-3.662968e-03
## 871149	0.0320333494	9.611557e-02	1.100796e-02	9.278600e-03	3.250644e-03
## 8711561	0.1625166960	1.062510e-02	3.867946e-02	9.830449e-03	1.758741e-02
## 8711803	0.1833278621	-6.514273e-02	-4.949089e-02	-3.143983e-04	-1.024462e-02
## 871201	0.0466382547	4.488584e-02	9.110442e-02	1.485736e-03	-1.312096e-02
## 8712064	-0.0778884859	-1.494685e-02	1.326543e-02	4.271208e-03	-3.692513e-03
## 8712289	0.1648438853	3.025702e-01	-2.340033e-02	-8.324051e-03	1.848549e-03
## 8712291	-0.0187672166	2.205116e-02	1.467823e-02	-6.467033e-03	1.148680e-02
## 87127	-0.0022116006	-3.659396e-02	1.749325e-02	1.437802e-02	-3.555458e-03
## 8712729	0.0111851727	-5.483086e-02	9.163004e-03	-1.515471e-02	-1.308248e-02
## 8712766	-0.1128389699	4.360550e-02	-2.252514e-03	-4.939426e-03	7.403680e-03
## 8712853	0.0047133540	-4.722385e-02	9.407798e-03	3.756833e-03	5.469545e-03
## 87139402	0.0058479819	-5.422273e-02	1.519286e-02	-1.626943e-02	-1.424677e-03
## 87163	-0.0621792689	-4.679305e-02	-2.794307e-02	-8.322050e-02	-9.724531e-04
## 87164	-0.0204716584	-2.174815e-01	8.286055e-03	-1.945686e-02	-1.449219e-03
## 871641	-0.1283484525	-2.105483e-01	-1.812564e-02	-3.558919e-02	-1.771539e-04
## 871642	-0.0652630427	2.760698e-02	1.000593e-02	4.358827e-03	-7.483755e-03
## 872113	0.0316665578	7.087026e-02	5.732845e-03	6.943427e-03	-4.316588e-03
## 872608	-0.0130124597	9.505262e-03	2.489507e-02	-3.715104e-02	-1.768256e-03
## 87281702	0.0149367843	-3.373768e-02	-2.874672e-02	4.494640e-02	6.648435e-03
## 873357	-0.0565577633	-3.716741e-02	1.515057e-02	-5.631381e-03	7.259187e-03
## 873586	-0.1181480118	-4.202926e-02	-2.804052e-03	2.235523e-02	-3.575397e-03
## 873592	0.5075073909	3.875397e-01	-3.649879e-02	-4.817298e-02	-1.234021e-02
## 873593	0.1715237713	1.077659e-02	1.370693e-01	1.607476e-02	-4.130650e-03
## 873701	-0.0408188409	-1.855354e-02	5.026622e-02	-2.081737e-02	-6.144694e-03
## 873843	-0.0032329462	4.783222e-02	-5.100500e-02	-6.710928e-03	-1.311918e-02
## 873885	0.0566462354	-4.700916e-02	5.079073e-02	-1.107745e-03	-3.410878e-03
## 874158	0.0326076649	7.283462e-02	7.799828e-03	4.257019e-03	-6.436029e-03
## 874217	0.0970624158	4.300686e-02	2.557256e-02	3.511308e-03	4.228434e-03
## 874373	0.0030832009	2.037473e-02	-1.368604e-02	8.753567e-03	1.345992e-03
## 874662	0.0059062159	-1.096237e-02	-8.635239e-03	1.119167e-02	-4.636712e-03
## 874839	0.0290239084	2.453131e-02	1.775126e-02	-1.022940e-02	8.378152e-03
## 874858	0.0639676895	-4.746824e-02	4.534134e-02	1.788060e-02	3.942582e-02
## 875093	0.0691856368	-1.014548e-02	9.965295e-03	4.872696e-02	-1.213839e-03
## 875099	-0.1193609214	-5.010956e-02	-4.591822e-02	-1.193226e-02	-3.963558e-03
## 875263	-0.0723515248	1.223090e-02	7.793775e-03	-2.935833e-02	-1.693386e-02

## 87556202	0.0957203640	-1.086967e-01	-1.582959e-03	1.441066e-02	1.349096e-02
## 875878	-0.0043906404	-2.636426e-02	9.351632e-03	2.336560e-02	1.097957e-03
## 875938	-0.2012904786	9.005932e-02	1.657487e-02	2.824573e-02	-2.771209e-03
## 877159	-0.0125777667	-5.077927e-02	-6.943705e-03	2.010879e-03	7.766158e-03
## 877486	-0.0457090424	4.732110e-04	-1.101138e-01	5.298756e-03	-1.730179e-02
## 877500	-0.0387661993	2.856540e-02	8.960081e-02	-4.193797e-03	-1.195863e-02
## 877501	0.0406861821	-4.063331e-02	1.658042e-02	-2.740055e-02	-6.035120e-03
## 877989	0.0628321938	1.662944e-03	-5.740479e-02	-9.416140e-03	6.126064e-04
## 878796	0.0356893819	3.128748e-01	-1.007465e-01	-8.529045e-04	-3.819438e-02
## 87880	-0.0522821695	-1.586622e-01	2.118169e-02	-2.050653e-02	1.151177e-03
## 87930	-0.0093959004	3.989723e-02	9.128397e-03	-3.727004e-02	-1.006706e-02
## 879523	-0.0442994933	-1.772295e-02	-1.493651e-03	1.711604e-02	-1.574921e-02
## 879804	0.1136387746	1.087258e-01	1.246010e-02	1.874143e-02	1.204608e-03
## 879830	0.0194917676	-6.808987e-02	-4.364781e-03	-1.874407e-02	1.185807e-02
## 8810158	0.0266412052	-1.522403e-01	-4.513389e-02	3.041498e-02	-1.748377e-02
## 8810436	-0.0665932751	-3.875520e-02	-1.000271e-03	-1.976138e-02	2.741061e-04
## 881046502	0.0899645237	7.156408e-02	2.004215e-02	-1.900426e-02	4.412764e-02
## 8810528	-0.0129848991	3.220875e-02	6.694608e-03	-1.558529e-03	2.875884e-03
## 8810703	-0.0059839516	-1.940912e-02	1.123293e-01	-1.540261e-01	6.534187e-03
## 881094802	-0.1752161446	-8.473609e-02	-3.450049e-03	-2.207832e-02	-2.188679e-02
## 8810955	-0.0569743952	-6.261779e-02	-4.860221e-03	-5.786062e-03	1.020700e-02
## 8810987	0.1237499184	-8.195971e-02	1.529261e-02	6.937451e-03	2.619794e-03
## 8811523	0.1225618939	2.156147e-03	5.564389e-03	-3.560424e-03	-9.562893e-03
## 8811779	0.0207754683	5.065478e-02	-1.366777e-02	-2.066266e-02	-6.442102e-03
## 8811842	0.0647228635	-4.574542e-02	-1.722227e-02	-3.308224e-02	7.010155e-03
## 88119002	-0.0251689372	-3.974507e-02	1.042405e-01	1.826330e-02	-1.796512e-02
## 8812816	-0.0960222584	-4.425287e-02	-1.275666e-02	-1.388723e-02	-5.890132e-04
## 8812818	0.0376677232	-6.505149e-02	-8.533465e-03	4.279110e-03	6.539797e-03
## 8812844	0.0535466030	3.276009e-02	-2.756607e-02	-1.454529e-03	7.416389e-04
## 8812877	-0.1152719999	-7.936990e-02	3.918948e-02	-6.909967e-02	-9.875805e-03
## 8813129	-0.0307382236	-6.048268e-03	-2.004751e-02	7.491103e-03	4.944308e-03
## 88143502	0.0038497261	-3.295088e-02	1.592811e-02	-7.082278e-03	-2.641670e-03
## 88147101	0.0417846570	1.014432e-01	-1.676444e-02	-2.230372e-02	-1.486683e-03
## 88147102	0.0227429302	-3.082262e-02	-3.311199e-02	1.177004e-02	1.492911e-02
## 88147202	0.0421147176	4.962457e-02	2.486351e-02	2.865424e-02	-1.872174e-02
## 881861	-0.0425668315	4.688174e-02	-4.618497e-02	-6.874296e-03	2.119647e-02
## 881972	-0.1426032890	6.852620e-02	-5.072001e-03	3.420602e-02	9.665073e-05
## 88199202	0.0056845921	-4.220301e-02	-1.412551e-02	5.629644e-03	5.025942e-03
## 88203002	-0.0181151448	2.843831e-02	-1.654791e-03	1.080407e-03	4.042317e-03
## 88206102	0.0042149614	1.146302e-01	-2.067239e-02	-6.311137e-03	6.009812e-03
## 882488	0.0118534104	-4.761135e-04	-1.400283e-02	1.197801e-02	-4.726901e-03
## 88249602	-0.0850496766	5.335101e-02	-4.697283e-03	6.637333e-03	4.165397e-03
## 88299702	0.2409967021	2.607101e-02	4.560323e-02	8.437318e-02	1.316171e-02
## 883263	0.0681708739	5.063556e-02	-5.389681e-02	-6.290592e-02	1.779366e-02
## 883270	-0.0523829446	-4.076603e-02	-6.505627e-03	-2.591461e-03	7.136696e-03
## 88330202	-0.2620795734	7.106819e-02	7.135497e-02	-1.065164e-01	3.469120e-03
## 88350402	0.0139953617	-1.884256e-02	2.886332e-02	1.645641e-02	1.335793e-03
## 883539	-0.0375142186	-2.700686e-02	1.148629e-02	2.074699e-02	1.639722e-03
## 883852	-0.0152594160	3.116430e-02	5.954807e-03	6.523964e-03	1.351473e-02
## 88411702	-0.0260805214	2.720025e-02	-2.091472e-02	1.710187e-02	-9.792152e-04
## 884180	-0.3005491060	2.356356e-01	4.647020e-02	-1.622782e-02	9.854965e-04
## 884437	-0.0220714640	2.741591e-03	3.190374e-03	2.157953e-02	-1.946126e-03
## 884448	-0.0014005785	-4.654162e-02	1.083157e-02	3.151084e-02	-1.264109e-03
## 884626	0.1601457813	-6.855604e-02	-3.446241e-02	8.982938e-03	8.781242e-03

## 88466802	0.0713281560	3.797545e-02	-2.621500e-02	-8.606330e-03	-1.208039e-03
## 884689	0.0647306238	5.543553e-02	1.748686e-02	9.221382e-03	-1.937773e-03
## 884948	0.1660699609	-7.638441e-02	6.711925e-02	-9.449905e-03	-3.081369e-03
## 88518501	-0.0091208037	8.182177e-02	1.201451e-02	5.955488e-04	-2.263059e-03
## 885429	-0.1091053896	2.386809e-01	7.229938e-02	-4.521656e-03	-9.226107e-03
## 8860702	-0.0056096949	5.948137e-02	7.645777e-03	1.127571e-02	3.169557e-03
## 886226	-0.0010795836	1.201460e-01	1.049623e-01	-4.883886e-02	4.106829e-03
## 886452	-0.0414289090	5.774410e-02	-2.910834e-02	-8.056301e-03	-6.125576e-03
## 88649001	0.1694749187	-1.452418e-01	-4.223670e-02	1.760845e-02	-4.754179e-02
## 886776	-0.1987411786	1.534773e-01	-1.717000e-02	2.091682e-02	2.190131e-02
## 887181	-0.0491380386	9.414766e-02	2.762488e-02	4.803323e-02	-4.682385e-03
## 88725602	-0.0914010731	-1.676868e-02	-8.320430e-03	2.706620e-02	-5.980859e-03
## 887549	0.0002781657	5.127961e-02	-5.011346e-02	7.952146e-03	1.184872e-02
## 888264	-0.0440770570	4.210933e-03	-1.786385e-02	-1.460748e-02	1.581327e-02
## 888570	0.1129144717	6.855099e-03	-3.897323e-02	6.879667e-03	-2.156889e-02
## 889403	0.0097143159	-4.712448e-02	-7.874549e-04	-1.279315e-02	2.020691e-03
## 889719	0.0112482277	2.510787e-02	2.751825e-02	-1.094479e-02	-7.512501e-03
## 88995002	-0.0091299171	-1.108727e-01	9.283946e-02	1.499230e-01	2.464673e-02
## 8910251	0.0599744461	1.868544e-01	2.701169e-02	7.968552e-04	-8.096701e-03
## 8910499	0.0219890875	-2.833598e-02	-4.390416e-03	2.084745e-03	1.867078e-02
## 8910506	-0.0139591621	2.428365e-02	1.976969e-02	2.633992e-02	-4.107245e-03
## 8910720	0.0928046006	1.107846e-01	-1.392025e-03	-1.811344e-02	9.804552e-03
## 8910721	-0.0985621595	-1.857856e-02	2.074257e-02	7.172121e-03	1.407351e-02
## 8910748	0.0375752134	3.203805e-02	8.858806e-03	-2.961281e-03	-1.207918e-03
## 8910988	0.1490111178	1.779051e-02	-4.740955e-02	1.222139e-02	-3.728448e-02
## 8910996	0.0327419876	8.148477e-03	8.654636e-03	-1.952291e-03	-6.147097e-03
## 8911163	0.0087349948	-2.586902e-02	-1.982127e-02	-2.952873e-02	1.231110e-02
## 8911164	0.1985841490	-1.657353e-01	2.135428e-03	4.348128e-02	-6.801149e-04
## 8911230	-0.0883232465	1.507252e-03	1.628523e-02	-1.568217e-03	-8.397414e-03
## 8911670	0.0367848322	6.676286e-02	1.394801e-02	-9.331447e-03	1.667624e-02
## 8911800	-0.0790263545	-1.488143e-02	-3.854222e-03	-2.903717e-02	3.250515e-03
## 8911834	-0.0439433966	-7.992376e-04	-5.775437e-03	1.333417e-03	5.149795e-03
## 8912049	0.0240789261	-2.159175e-02	-3.065026e-02	3.221432e-02	2.504987e-02
## 8912055	-0.0361373694	-4.308976e-03	-2.180819e-02	9.659105e-03	-5.446295e-03
## 89122	-0.0989052165	1.476582e-01	6.469516e-02	-6.425264e-02	-3.674088e-03
## 8912280	-0.1442857267	3.614931e-02	1.461098e-02	-1.922242e-02	-2.744032e-03
## 8912284	-0.0556777640	3.838686e-02	1.713471e-02	-6.244047e-03	-1.074961e-02
## 8912521	-0.1109140358	-3.880974e-02	6.107072e-03	2.384397e-03	1.155569e-05
## 8912909	0.0091710677	-1.396632e-02	2.508149e-02	3.763082e-03	3.377432e-03
## 8913	-0.0603920867	-1.446856e-02	1.958792e-02	1.858249e-02	2.155122e-03
## 8913049	0.0810308099	-1.021064e-01	-1.320490e-01	-2.655205e-02	-1.437426e-02
## 89143601	-0.0136047898	-2.362851e-02	-1.160739e-03	-1.263406e-02	-2.997494e-04
## 89143602	0.1095218903	-4.354009e-02	-1.189663e-01	1.684308e-02	-1.505344e-02
## 8915	-0.0740153293	6.921410e-02	-7.051165e-03	5.158128e-02	7.762618e-03
## 891670	-0.1006613610	1.903896e-02	-7.938773e-03	5.176816e-02	9.383389e-03
## 891703	-0.0077593728	-2.077904e-03	-1.306349e-02	1.426677e-02	-3.385537e-03
## 891716	-0.0032333996	-2.579634e-03	-1.410404e-02	1.057191e-02	5.048132e-03
## 891923	-0.0485294275	-3.303531e-03	4.270574e-03	2.111572e-02	2.515567e-03
## 891936	-0.0033749247	-2.609997e-02	-1.145724e-02	-2.605510e-02	-1.049788e-03
## 892189	0.0596085692	4.634231e-03	-2.644690e-02	2.107930e-02	-8.964838e-03
## 892214	-0.1158169986	2.418180e-03	5.330283e-03	-7.836024e-04	-2.693467e-03
## 892399	-0.0273016481	-5.583721e-02	1.780719e-02	-1.012395e-02	4.592012e-03
## 892438	-0.0282443641	8.385431e-02	7.402991e-03	7.987707e-03	-4.376741e-03
## 892604	0.0261265002	-1.263315e-02	8.707451e-03	8.122662e-03	1.265416e-02

## 89263202	0.0373782196	-2.276784e-01	3.191511e-02	5.069162e-02	-1.893042e-02
## 892657	-0.0062233253	2.515242e-02	-6.055567e-03	6.048636e-03	-3.441770e-03
## 89296	-0.0216028124	7.907603e-02	1.869958e-02	5.518316e-03	2.679961e-04
## 893061	-0.0237083184	-3.415762e-03	-5.446159e-03	1.323583e-02	-4.273406e-03
## 89344	-0.1224970335	5.435459e-02	1.468262e-03	7.994120e-03	1.133243e-03
## 89346	-0.0091434544	-6.986083e-02	-2.502189e-02	-3.357006e-03	-8.351065e-03
## 893526	-0.0732124811	1.475335e-02	8.345569e-03	-2.160784e-02	2.422067e-03
## 893548	-0.0680527688	6.879690e-02	1.787602e-03	-1.752401e-03	1.812603e-03
## 893783	-0.0716297834	-2.648932e-03	-9.180899e-03	5.144928e-03	-6.011135e-04
## 89382601	-0.0872987274	-9.671284e-03	2.684525e-02	-1.267511e-02	1.844836e-03
## 89382602	0.0132645543	1.953362e-03	2.693870e-02	1.432218e-02	-1.069694e-02
## 893988	-0.0478539750	2.601203e-02	-2.434123e-03	1.274175e-02	-3.828994e-03
## 894047	-0.0640172940	-2.207106e-02	2.742342e-02	1.096522e-02	-3.349680e-03
## 894089	-0.0750516303	1.104417e-02	5.262369e-03	-4.431895e-04	1.289335e-03
## 894090	-0.0744566646	-3.011777e-02	1.779430e-02	9.344705e-03	-5.184059e-03
## 894326	0.1036850662	-4.122734e-02	3.720628e-02	-1.037487e-02	3.310589e-03
## 894329	-0.0961353683	2.559677e-01	2.025943e-02	-4.386663e-02	3.848493e-02
## 894335	-0.0383937277	-1.053789e-01	-7.689872e-03	-5.177114e-03	4.696287e-03
## 894604	0.0274799350	4.641524e-02	-8.702956e-02	9.684250e-03	-1.445168e-02
## 894618	0.0737474821	5.966743e-02	-1.866679e-02	-2.073327e-02	5.505822e-03
## 894855	-0.0399388582	3.192642e-02	-2.290184e-02	3.251700e-02	9.298409e-04
## 895100	-0.0707460413	8.883592e-02	2.305156e-02	5.915895e-02	6.113806e-03
## 89511501	-0.0114795335	-5.463659e-02	-1.772000e-02	9.825546e-03	3.095435e-03
## 89511502	-0.0224375420	-9.936780e-03	1.846325e-02	-3.357607e-03	8.248290e-03
## 89524	-0.0442326107	-8.560484e-02	1.030624e-02	-2.444757e-03	-8.423257e-04
## 895299	-0.1029633808	-1.081095e-02	-3.677552e-03	8.508050e-03	1.337424e-03
## 8953902	-0.0926684430	-7.409677e-02	-9.410580e-03	-1.893671e-02	8.456140e-03
## 895633	-0.2343196380	-4.273295e-02	-1.729934e-02	2.766251e-02	-1.695853e-02
## 896839	0.0701397783	-1.335309e-02	5.626629e-02	-3.558945e-03	-1.949163e-02
## 896864	0.0515719217	-4.759101e-02	-6.867389e-03	2.357617e-02	8.714155e-03
## 897132	-0.0105632397	1.583467e-02	-1.959341e-03	1.376475e-02	-9.597765e-03
## 897137	-0.0749311508	-1.986689e-02	-1.359114e-02	-2.684112e-02	-6.402074e-03
## 897374	-0.0922219954	-3.415178e-02	3.056143e-03	4.059287e-03	1.703195e-03
## 89742801	0.0626116915	-1.561594e-01	-3.968417e-02	2.121072e-02	5.370413e-03
## 897604	-0.0506882579	-8.548810e-02	-1.602747e-02	2.834650e-02	-1.060789e-02
## 897630	-0.0678606589	5.120687e-03	2.729829e-02	-1.509585e-03	-4.613730e-03
## 897880	0.0907475852	8.765723e-02	-1.804617e-02	-3.272880e-03	-1.065327e-02
## 89812	0.1118755986	-4.887141e-04	-2.329884e-02	-1.658174e-04	9.302297e-03
## 89813	-0.0287432556	-2.310408e-02	1.206153e-03	6.776529e-03	-9.223971e-03
## 898143	0.0820478379	-8.139339e-02	-9.096609e-03	-2.153234e-02	1.767722e-03
## 89827	0.0183620965	-2.065646e-02	-2.292929e-02	3.668166e-02	-3.427446e-03
## 898431	-0.0006510610	8.726332e-02	-5.250889e-02	1.332779e-03	1.205919e-02
## 89864002	-0.0515151575	7.195145e-03	6.919602e-03	1.353120e-03	-6.095810e-03
## 898677	-0.0469050590	-6.562686e-03	-1.751468e-02	3.580715e-04	-5.815751e-03
## 898678	-0.0580669072	2.934373e-02	2.357731e-03	-1.870958e-03	1.963690e-03
## 89869	-0.0696096216	1.024478e-02	-3.292606e-02	-2.240991e-02	6.759720e-03
## 898690	0.0119094502	-8.120056e-02	-4.513736e-04	2.068539e-02	5.208152e-03
## 899147	0.0412169819	9.587654e-02	-4.590666e-03	-4.616770e-03	8.105320e-03
## 899187	-0.0235038951	1.313500e-02	1.269764e-02	-9.872559e-03	-4.232715e-03
## 899667	-0.1406568225	-6.358428e-02	-3.238040e-02	2.598782e-02	4.940086e-03
## 899987	0.1630695886	2.140823e-01	-3.814301e-02	2.782979e-02	-4.128425e-03
## 9010018	-0.0739427208	-1.368913e-01	-4.663635e-02	-1.391452e-03	-2.213182e-04
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## 9010258	-0.0223333002	-3.371436e-03	5.471771e-02	2.086878e-03	2.806140e-03

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## 901028	-0.0327600193	-3.234520e-02	4.124452e-03	1.293981e-02	2.754171e-03
## 9010333	0.1714289835	1.480474e-01	5.013534e-02	-3.344845e-03	1.658808e-03
## 901034301	0.0397705078	9.089816e-02	-3.231257e-02	-4.131922e-02	-1.970117e-02
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## 9010598	-0.0771190479	6.569504e-02	2.672417e-02	1.462080e-02	-1.364290e-03
## 9010872	0.0375467452	-8.563073e-02	1.632581e-02	-2.945028e-03	6.196977e-03
## 9010877	-0.0400624859	-1.221409e-02	2.736047e-02	1.354060e-03	1.255438e-03
## 901088	0.0755730846	3.579410e-02	-2.925201e-02	-3.784899e-02	-4.700304e-03
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## 9012795	0.1433033538	4.139177e-02	-7.288579e-02	-3.284067e-02	6.495201e-03
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## 90944601	-0.0729310386	3.407189e-02	-2.967962e-03	-7.760464e-03	-3.493852e-03
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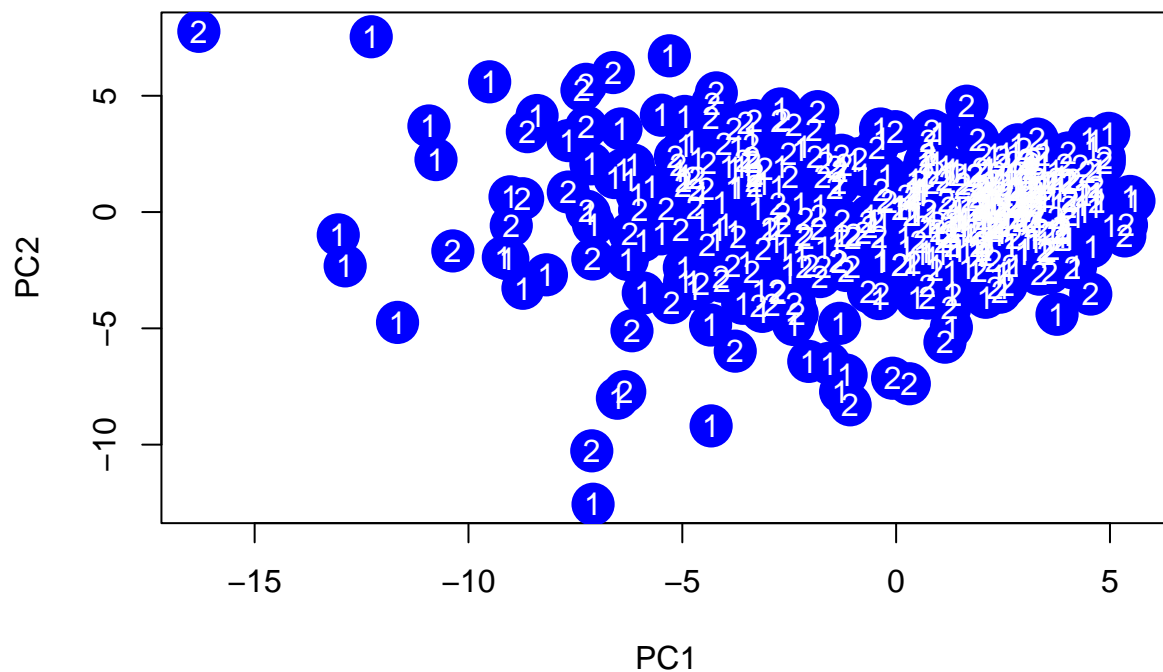
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## 912600 -0.0136577142 -6.945356e-02 7.542745e-03 -1.162578e-02 1.376873e-02
## 913063 -0.0107779990 3.093484e-03 1.413849e-01 -6.100949e-03 1.202071e-03
## 913102 0.0095431487 -7.376165e-03 2.000637e-02 -2.068873e-02 -5.432457e-03
## 913505 0.0040869238 1.517483e-02 1.015079e-01 -1.262707e-02 3.374017e-03
## 913512 0.0355692398 9.085520e-02 -4.393050e-03 4.668312e-03 -6.227434e-03
## 913535 0.0086380352 1.069920e-02 -3.724756e-02 -2.337908e-02 9.673922e-03
## 91376701 -0.0523983166 -2.155044e-02 -3.015589e-02 4.206849e-03 -4.615799e-03
## 91376702 0.0364243509 2.194271e-02 6.585056e-03 -5.260954e-03 1.175358e-02
## 914062 -0.0249186250 -9.840999e-02 -1.409311e-02 -4.124637e-03 -2.145734e-03
## 914101 -0.0546115161 -1.086523e-01 2.580461e-02 6.505626e-03 3.807495e-03
## 914102 -0.0900970424 -7.973081e-02 -1.382759e-02 2.391790e-02 2.493993e-03
## 914333 -0.0040977809 -6.976257e-02 -1.359450e-02 -7.869232e-03 4.008083e-03
## 914366 0.0965211814 -5.682683e-02 6.498587e-03 1.456788e-02 2.151391e-03
## 914580 -0.0422754385 2.085169e-02 -1.607462e-03 3.798926e-03 -1.110263e-02
## 914769 -0.0967977019 -1.485310e-01 1.576602e-02 3.329348e-03 -9.341349e-03
## 91485 -0.0641045051 1.841422e-01 -7.024287e-02 1.970595e-02 -1.498247e-02
## 914862 0.0854465362 -1.747535e-01 -3.607397e-02 1.867275e-03 -3.821167e-03
## 91504 -0.0963197757 9.104160e-02 -2.312398e-02 3.386630e-02 -1.529871e-02
## 91505 -0.0121822447 -1.090114e-02 8.724908e-03 4.694641e-03 -1.074887e-03
## 915143 -0.1180678238 2.658401e-01 -7.894180e-02 -2.561913e-02 7.697159e-03
## 915186 0.1148367203 2.121193e-01 -3.514142e-02 -5.061458e-02 3.668640e-02
## 915276 0.2752439895 -3.019773e-01 9.673065e-03 -1.996698e-02 4.151417e-02
## 91544001 -0.0485533966 5.416690e-02 -1.649414e-02 -1.490646e-02 -2.155321e-03
## 91544002 -0.0036376007 -1.802591e-01 -1.011343e-02 2.070820e-02 6.669538e-03
## 915452 -0.0647665350 4.842798e-03 1.594580e-02 9.613952e-03 -3.100001e-04
## 915460 -0.1754187549 1.359165e-01 4.067320e-02 5.041105e-02 2.144200e-04
## 91550 -0.0556837067 6.632740e-02 -6.746846e-03 1.531456e-02 -1.218153e-02
## 915664 -0.0984427406 1.808916e-02 1.255164e-02 9.930751e-03 9.221713e-03
## 915691 0.0036057142 -8.355934e-02 -3.592810e-02 2.235170e-02 3.151072e-03
## 915940 -0.0112187011 2.530924e-02 4.763963e-03 -1.126705e-02 7.608210e-04
## 91594602 -0.0091762716 -7.293476e-02 2.792662e-02 -3.556928e-03 -1.164186e-03
## 916221 0.0038142602 3.300541e-02 8.325671e-03 -4.509973e-03 -1.285385e-03
## 916799 0.0189855035 -9.752934e-02 -6.505096e-03 -2.312757e-03 -1.589520e-02
## 916838 0.0550042618 -1.724436e-01 -9.894992e-02 -7.051032e-02 7.208234e-03

```



```
## 917062    0.1580673727 -6.410352e-02 -8.250866e-03 -1.932592e-02  1.086353e-02
## 917080    0.0544002611  1.580256e-02 -1.613705e-03  8.423291e-04  9.014139e-04
## 917092    0.0074556575  9.663785e-02 -2.665164e-02 -3.072198e-02 -5.603826e-03
## 91762702   0.2131860543  1.741659e-01 -1.264691e-01  1.220225e-02 -8.726745e-03
## 91789     -0.0681589606 -9.361363e-03 -8.419239e-03  1.344440e-02  2.051314e-03
## 917896    -0.1061345671  4.966193e-03 -6.582652e-03  4.193781e-02  7.898565e-03
## 917897    0.0664531179 -2.655619e-02 -2.136312e-02 -9.637608e-03  2.497448e-03
## 91805     0.0886147194  1.155966e-01 -5.229288e-02  1.076846e-02  1.449954e-03
## 91813701   0.0330021360  8.336065e-02 -5.061548e-03  3.298927e-02  5.387830e-04
## 91813702   0.0181336410  4.282084e-02  3.040698e-02  1.508284e-02 -7.330015e-03
## 918192    -0.0934720894 -5.020254e-02  4.171083e-02 -7.809330e-03 -9.193665e-05
## 918465    0.0288790490 -5.652693e-02 -1.947227e-03  1.611639e-03 -4.255828e-03
## 91858     0.0424242869  9.025177e-03 -1.623234e-02  6.269355e-03 -8.871060e-04
## 91903901   0.0931826121 -3.654002e-02  4.324270e-03  4.165806e-03 -1.106227e-03
## 91903902  -0.0830740552  1.658681e-02  1.150422e-02 -1.563064e-02 -6.663151e-03
## 91930402   0.1480707171  8.699232e-03 -5.961362e-02 -1.044751e-02 -6.141284e-03
## 919537    0.0728753384  1.259825e-02 -9.518713e-03  9.373100e-03 -3.095154e-03
## 919555    0.1536070303 -3.265112e-02  2.996697e-02  8.171708e-03 -3.458037e-02
## 91979701  -0.0487762627  5.821042e-02  1.015633e-02  2.035367e-02  9.738559e-03
## 919812    0.0329233687 -1.804282e-02 -2.169062e-02 -2.378939e-02  8.893677e-03
## 921092    0.1468627182  7.253893e-02 -8.746899e-03 -1.161071e-02  9.286171e-03
## 921362    0.1812441331  7.132198e-03  1.665571e-03 -5.739799e-02  3.679201e-02
## 921385    -0.0295036155 -8.523727e-03 -8.796157e-03 -2.463757e-03  9.112497e-05
## 921386    -0.0987152511  2.575798e-03 -1.994940e-02  8.161193e-03 -1.262046e-02
## 921644    -0.0565374950  1.610918e-02 -1.295072e-02 -2.390649e-02  4.092165e-03
## 922296    0.0568923371 -7.840121e-02 -1.162042e-02  3.505356e-03 -6.121733e-03
## 922297    -0.0542291424 -8.247547e-02 -8.960736e-03  1.302883e-02  4.772981e-03
## 922576    -0.0678745818 -1.961314e-02 -6.487119e-03 -4.750888e-03 -3.114620e-03
## 922577    0.0125381679  4.498783e-02  5.470187e-03 -7.783998e-03 -4.507372e-03
## 922840    0.0313546289 -4.161718e-02 -2.705643e-03  9.706143e-03  3.657914e-03
## 923169    0.1006525985  5.511332e-02 -8.274135e-04 -2.590615e-02  8.789459e-04
## 923465    -0.0007909619  3.418774e-02  6.937288e-05 -2.145122e-02 -4.134624e-03
## 923748    -0.0163685109 -1.107701e-02  2.770954e-02  1.795767e-02  8.260042e-03
## 923780    -0.0014215153  5.637368e-02 -3.381745e-03  3.849594e-03 -1.779362e-03
## 924084    -0.1022492547 -9.323360e-03  5.913651e-04  1.263059e-02 -7.162542e-03
## 924342    0.0044220903  4.297202e-03 -9.650436e-03 -1.615592e-02 -1.435061e-03
## 924632    0.0024994349 -7.130661e-02  4.473723e-02  1.560585e-02  1.385123e-03
## 924934    0.0938320141  3.896512e-02 -1.164274e-02 -1.431460e-03  6.878081e-03
## 924964    0.0152530115 -3.226473e-03  2.268760e-03 -1.799952e-02 -4.947889e-05
## 925236    0.1510723322  1.702667e-01  3.413466e-02  3.102528e-02  8.728220e-03
## 925277    0.0407493494  3.978350e-02 -1.130892e-02  4.068695e-03 -6.920526e-03
## 925291    0.0599659983 -3.787753e-02  2.037519e-02 -3.413149e-04  1.269775e-02
## 925292    0.0968312180 -1.392626e-02  2.900866e-02  1.731854e-03  4.328273e-03
## 925311    0.0041827618  2.209661e-02  7.486086e-03 -3.107530e-04  5.831723e-03
## 925622    0.2037854413 -1.474368e-01 -1.245986e-01  9.015380e-03 -7.118296e-03
## 926125    -0.0729289516  1.450989e-01 -3.945551e-02  7.014761e-02  7.638391e-03
## 926424    -0.1227922446  1.590577e-01  9.843968e-03  7.112909e-03  1.413613e-03
## 926682    0.0658312978 -6.845211e-02 -2.355466e-02 -2.746212e-02  1.041027e-02
## 926954    0.0070890278 -2.367063e-02 -2.575490e-03  6.700316e-03 -3.767102e-03
## 927241    -0.1980178555 -2.738532e-02 -6.802653e-02 -8.408929e-02  2.376191e-02
## 92751     0.3468098821  1.272691e-01 -9.507513e-03 -6.085956e-02  1.945846e-02
```

```
points(npc[,1], npc[,2], col="blue", pch=16, cex=3)
text(npc[,1], npc[,2], labels=c(1,2), col="white")
```



Now to turn our groups into a factor.

```
g <- as.factor(grps)
levels(g)
```

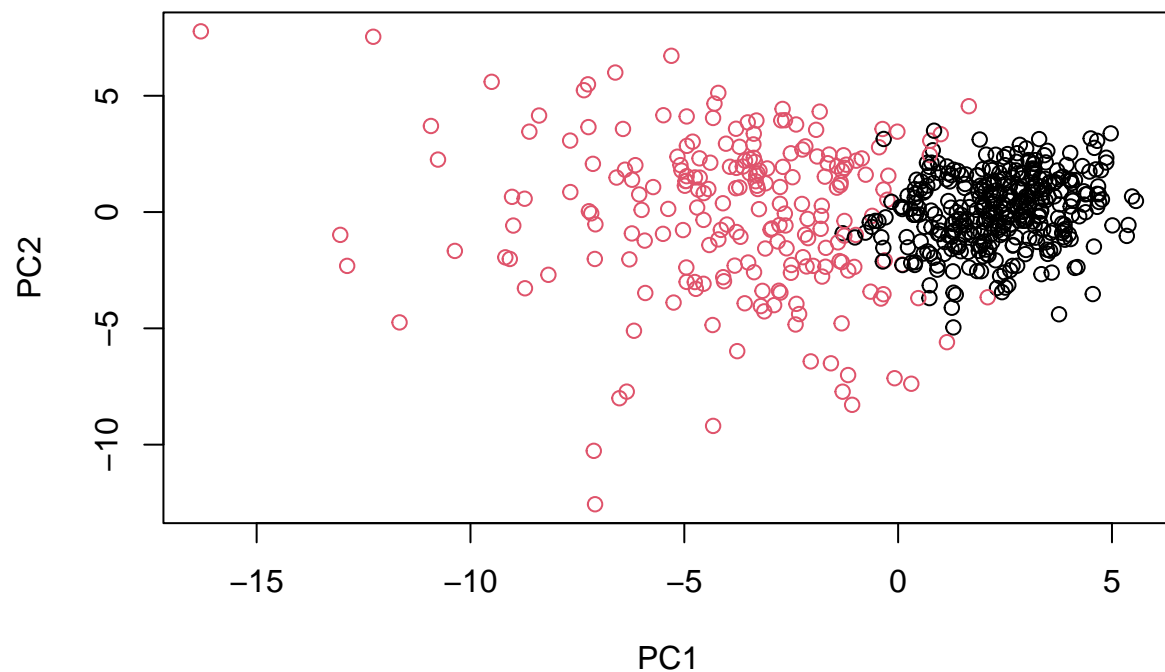
```
## [1] "1" "2"
```

```
g <- relevel(g,2)
levels(g)
```

```
## [1] "2" "1"
```

Now, we can plot this using the factor we generated.

```
plot(wisc.pr$x[,1:2], col=g)
```



```
#For sensitivity: TP/(TP+FN)
```

```
188/(188+24)
```

```
## [1] 0.8867925
```

```
#For specificity: TN/(TN+FN)
```

```
28/(28+24)
```

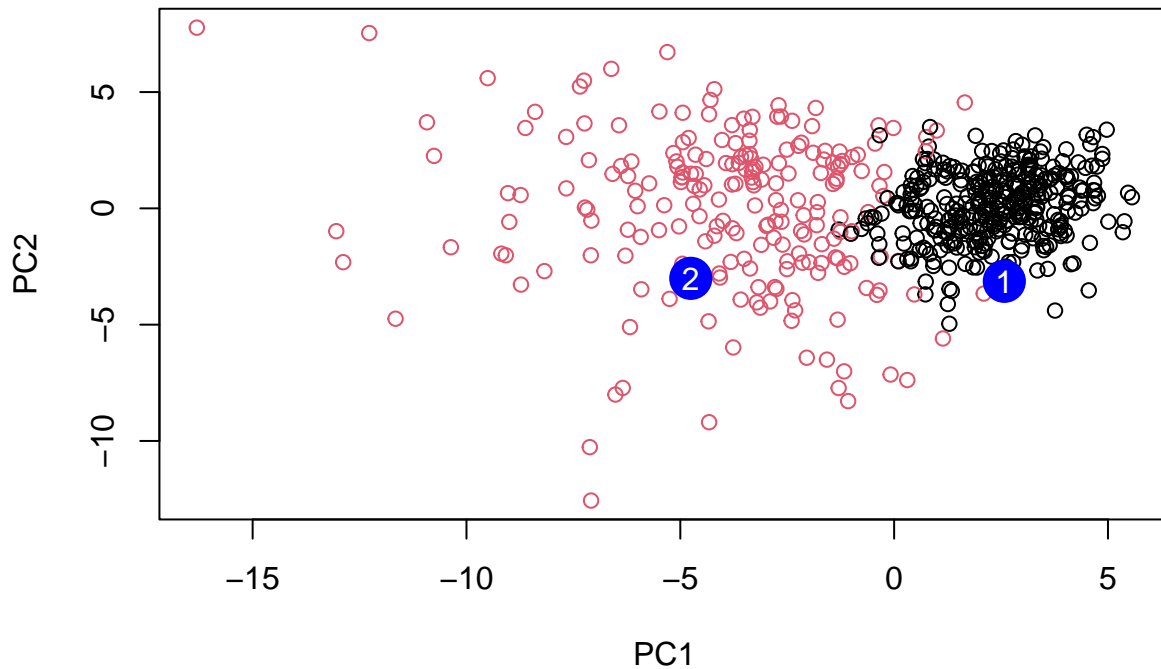
```
## [1] 0.5384615
```

(From lab activity) We will use the `predict()` function that will take our PCA model from before and new cancer cell data and project that data onto our PCA space.

```
#url <- "new_samples.csv"
url <- "https://tinyurl.com/new-samples-CSV"
new <- read.csv(url)
npc <- predict(wisc.pr, newdata=new)
npc
```

```
##          PC1          PC2          PC3          PC4          PC5          PC6          PC7
## [1,]  2.576616 -3.135913  1.3990492 -0.7631950  2.781648 -0.8150185 -0.3959098
## [2,] -4.754928 -3.009033 -0.1660946 -0.6052952 -1.140698 -1.2189945  0.8193031
##          PC8          PC9          PC10          PC11          PC12          PC13          PC14
## [1,] -0.2307350 0.1029569 -0.9272861 0.3411457  0.375921 0.1610764 1.187882
## [2,] -0.3307423 0.5281896 -0.4855301 0.7173233 -1.185917 0.5893856 0.303029
##          PC15          PC16          PC17          PC18          PC19          PC20
## [1,] 0.3216974 -0.1743616 -0.07875393 -0.11207028 -0.08802955 -0.2495216
## [2,] 0.1299153 0.1448061 -0.40509706 0.06565549 0.25591230 -0.4289500
##          PC21          PC22          PC23          PC24          PC25          PC26
## [1,] 0.1228233 0.09358453 0.08347651 0.1223396 0.02124121 0.078884581
## [2,] -0.1224776 0.01732146 0.06316631 -0.2338618 -0.20755948 -0.009833238
##          PC27          PC28          PC29          PC30
## [1,] 0.220199544 -0.02946023 -0.015620933 0.005269029
## [2,] -0.001134152 0.09638361 0.002795349 -0.019015820
```

```
plot(wisc.pr$x[,1:2], col=g)
points(npc[,1], npc[,2], col="blue", pch=16, cex=3)
text(npc[,1], npc[,2], c(1,2), col="white")
```



Q18. Which of these new patients should we prioritize for follow up based on your results?

We would want to prioritize patient #2 because this person falls in the malignant category (red = malignant, black = benign).