

Part 4: Dimensionality Reduction

In this section, we'll perform dimensionality reduction with principal components analysis (PCA) and Linear Discriminant Analysis (LDA) on the 'Wine Rating and Price' dataset which can be found here. (Check out the classification section of this assignment to find out more about the wine data and what we will try to do with dimensionality reduction, as we'll make comparisons with the findings in that section.)

Wine Dataset

For PDF viewers: <https://www.kaggle.com/datasets/budnyak/wine-rating-and-price?select=Red.csv>

The wine data that was downloaded from kaggle was concatenated into a larger, total wine csv file. While there are distinct qualities in each type of wine that make them unique, we needed to concatenate them so that we have a large enough data set to perform analysis on. Additionally, all the wine categories held the same features, so a concatenation is not too messy to deal with.

```
wine <- read.csv("totalWine.csv", header = TRUE)
head(wine)
```

```
##              Name Country      Region      Winery
## 1          Pomerol 2011   France    Pomerol  Château La Providence
## 2              Lirac 2017   France      Lirac    Château Mont-Redon
## 3 Erta e China Rosso di Toscana 2015   Italy    Toscana      Renzo Masi
## 4          Bardolino 2019   Italy    Bardolino    Cavalchina
## 5      Ried Scheibner Pinot Noir 2016 Austria Carnuntum    Markowitsch
## 6 Gigondas (Nobles Terrasses) 2017   France    Gigondas    Vieux Clocher
##   Rating NumberOfRatings Price Year
## 1     4.2             100 95.00 2011
## 2     4.3             100 15.50 2017
## 3     3.9             100  7.45 2015
## 4     3.5             100  8.72 2019
## 5     3.9             100 29.15 2016
## 6     3.7             100 19.90 2017
```

```
tail(wine)
```

```
##              Name      Country      Region      Winery Rating
## 13829 Blanco (Verdejo) 2018      Spain      Rueda Marqués de Riscal    3.7
## 13830 Sauvignon Blanc 2019 New Zealand Marlborough    Oyster Bay    4.0
## 13831 Vinho Verde Sweet N.V. Portugal Vinho Verde    Casal Garcia    4.0
## 13832 Sauvignon Blanc 2018 New Zealand Marlborough    Kim Crawford    3.9
## 13833 Sauvignon Blanc 2019 New Zealand Marlborough    Hans Greyl    4.2
## 13834 Vinho Verde Branco N.V. Portugal Vinho Verde    Casal Garcia    3.7
##   NumberOfRatings Price Year
## 13829          4155  6.30 2018
## 13830          4423 10.66 2019
## 13831          4609  5.05 N.V.
## 13832          5105 14.90 2018
## 13833          5817  7.75 2019
## 13834         62980  4.35 N.V.
```

```
str(wine)
```

```
## 'data.frame':    13834 obs. of  8 variables:
##  $ Name          : chr  "Pomerol 2011" "Lirac 2017" "Erta e China Rosso di Toscana 2015" "Bardolino
##  $ Country       : chr  "France" "France" "Italy" "Italy" ...
##  $ Region        : chr  "Pomerol" "Lirac" "Toscana" "Bardolino" ...
##  $ Winery        : chr  "Château La Providence" "Château Mont-Redon" "Renzo Masi" "Cavalchina" ...
```

```
## $ Rating      : num  4.2 4.3 3.9 3.5 3.9 3.7 4 3.9 3.6 3.5 ...
## $ NumberOfRatings: int  100 100 100 100 100 100 100 100 100 100 ...
## $ Price       : num  95 15.5 7.45 8.72 29.15 ...
## $ Year        : chr   "2011" "2017" "2015" "2019" ...
```

Just for fun, let's find some max and min data from the super-dataset.

```
print(max(wine$Rating))
```

```
## [1] 4.9
```

```
print(min(wine$Rating))
```

```
## [1] 2.2
```

```
print(max(wine$Price))
```

```
## [1] 3410.79
```

```
print(min(wine$Price))
```

```
## [1] 3.15
```

We have some pretty nice wine here... and some pretty awful selections as well. Though these values don't tell us much. Let's take a closer look at some of these values.

```
print(subset(wine, Rating == max(Rating)))
```

```
##                               Name Country
## 10612 Montrachet Grand Cru Marquis de Laguiche 2017  France
##                               Region      Winery Rating NumberOfRatings  Price Year
## 10612 Montrachet Grand Cru Joseph Drouhin      4.9              34 681.37 2017
```

```
print(subset(wine, Rating == min(Rating)))
```

```
##                               Name Country      Region  Winery Rating
## 11948 Greca Terra Retsina N.V.  Greece Peloponnesos Tsantali    2.2
##                               NumberOfRatings Price Year
## 11948              77  5.35 N.V.
```

```
print(subset(wine, Price == max(Price)))
```

```
##                               Name Country  Region Winery Rating NumberOfRatings  Price Year
## 2345 Pomerol 2012  France Pomerol Pétrus      4.7              204 3410.79 2012
```

```
print(subset(wine, Price == min(Price)))
```

```
##                               Name Country Region  Winery Rating
## 9164      Frizzantino Dolce N.V.  Italy Emilia Gualtieri    4.2
## 9325 Lambrusco dell'Emilia Dolce N.V.  Italy Emilia Gualtieri    3.8
##                               NumberOfRatings Price Year
## 9164              43  3.15 N.V.
## 9325             106  3.15 N.V.
```

It looks like this trivial data exploration had a purpose after all! Thanks to the Gualtieri (which looks to have two of the ultimate value choices of wine on the list) winery we find some null values in our year column. We'll need to find a way to deal with them to get a cleaner experiment done. For now, let's check how many of these values we have. We'll use the table function to see how many occurrences each value in the year column has.

```
nv_occur <- data.frame(table(wine$Year))
print(nv_occur)
```

```
##      Var1 Freq
## 1  1961     3
## 2  1988     1
## 3  1989     2
## 4  1990     2
## 5  1991     1
## 6  1992     3
## 7  1993     2
## 8  1995     4
## 9  1996     6
## 10 1997     7
## 11 1998     7
## 12 1999    19
## 13 2000    19
## 14 2001    12
## 15 2002    11
## 16 2003    15
## 17 2004    34
## 18 2005   160
## 19 2006    64
## 20 2007    60
## 21 2008   101
## 22 2009    99
## 23 2010   192
## 24 2011   312
## 25 2012   423
## 26 2013   624
## 27 2014   905
## 28 2015  1678
## 29 2016  2294
## 30 2017  2412
## 31 2018  2723
## 32 2019   893
## 33 2020     2
## 34 N.V.   744
```

Our year column seems to house a lot of “N.V.” values, 744 of them. This is concerning! Where are all these N.V.’s coming from!

Recall how the totalWine.csv file was constructed. We concatenated multiple types of wine (Red, Rose, Sparkling and White) that were all in separate .csv files.

```
spark <- read.csv("Sparkling.csv", header = TRUE)
nv_occur_spark <- data.frame(table(spark$Year))
print(nv_occur_spark)
```

```
##      Var1 Freq
## 1  1961     3
## 2  1996     1
## 3  1999     2
## 4  2002     4
## 5  2003     1
## 6  2004     5
## 7  2005     2
```

```
## 8 2006 15
## 9 2007 14
## 10 2008 18
## 11 2009 13
## 12 2010 13
## 13 2011 10
## 14 2012 25
## 15 2013 16
## 16 2014 19
## 17 2015 29
## 18 2016 22
## 19 2017 26
## 20 2018 28
## 21 2019 13
## 22 N.V. 728
```

As you can see, we have a bit of an issue with our “Sparkling” section of our wine. 728/744 null values come from that section. I cannot claim to be a domain expert on wine, but a quick google search tells me that wines made from a blend of other wines will exclude a vintage date, which can explain why a lot of these sparkling wines have no dates attached to them.

This concludes an already lengthy data exploration section.

We’ll copy the same conventions used in the classification section of the assignment, as we seek to make comparisons with accuracy after we complete dimensionality reduction.

Let’s divide into train and test.

```
library(tidyverse)

## -- Attaching packages ----- tidyverse 1.3.2 --
## v ggplot2 3.3.6      v purrr  0.3.5
## v tibble  3.1.8      v dplyr  1.0.10
## v tidyr   1.2.1      v stringr 1.4.1
## v readr   2.1.3      v forcats 0.5.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()

library(dplyr)
library(ROCR)
library(mccr)
library(ISLR)
library(caret)

## Loading required package: lattice
##
## Attaching package: 'caret'
##
## The following object is masked from 'package:purrr':
##
##     lift

library(tree)
library(rpart)

red <- read.csv("Red.csv")
white <- read.csv("White.csv")
```

```

rose <- read.csv("Rose.csv")
sparkle <- read.csv("Sparkling.csv")
totalWine <- rbind(data = red, data = white, data = rose, data = sparkle)
names(totalWine)[1] <- "Name"

```

Now we need to clean our data.

```

totalWine <- subset(totalWine, select = -c(Name, Winery, Region))
totalWine <- subset(totalWine, totalWine$Year != "N.V.")
totalWine <- subset(totalWine, totalWine$Rating != 3)
totalWine <- subset(totalWine, totalWine$Year >= 2000)
totalWine$Rating[totalWine$Rating <= 3] <- 0
totalWine$Rating[totalWine$Rating > 3] <- 1
totalWine <- totalWine[,c(1,2,3,5,4)]

```

And finally our train/test split.

```

set.seed(512)
i <- sample(1 : nrow(totalWine), round(nrow(totalWine) * 0.8), replace = FALSE)
train <- totalWine[i,]
test <- totalWine[-i,]
str(train)

```

```

## 'data.frame': 10401 obs. of 5 variables:
## $ Country : chr "Austria" "Italy" "Italy" "France" ...
## $ Rating : num 1 1 1 1 1 1 1 1 1 ...
## $ NumberOfRatings: num 30 28 375 40 290 42 791 110 193 282 ...
## $ Year : chr "2017" "2018" "2018" "2017" ...
## $ Price : num 13.2 12.2 14.4 9.5 69.4 ...

```

PCA

Now that our data is properly split, we'll go ahead and perform PCA on our data sets. PCA is an unsupervised dimensionality reduction algorithm, as it pays no attention to class. It reduces the data and plots them on a new coordinate space while reducing the axes. These reduced axes are principal components.

```

pca_out <- preProcess(train[,1:5],method=c("center","scale","pca"))
pca_out

```

```

## Created from 10401 samples and 5 variables
##
## Pre-processing:
## - centered (3)
## - ignored (2)
## - principal component signal extraction (3)
## - scaled (3)
##
## PCA needed 3 components to capture 95 percent of the variance
summary(pca_out)

```

```

##          Length Class  Mode
## dim          2    -none- numeric
## bc           0    -none-  NULL
## yj           0    -none-  NULL
## et           0    -none-  NULL

```

```
## invHyperbolicSine 0      -none- NULL
## mean              3      -none- numeric
## std               3      -none- numeric
## ranges            0      -none- NULL
## rotation          9      -none- numeric
## method            4      -none- list
## thresh            1      -none- numeric
## pcaComp            0      -none- NULL
## numComp            1      -none- numeric
## ica                0      -none- NULL
## wildcards          2      -none- list
## k                  1      -none- numeric
## knnSummary         1      -none- function
## bagImp             0      -none- NULL
## median            0      -none- NULL
## data              0      -none- NULL
## rangeBounds        2      -none- numeric

prWine <- prcomp(~Rating + NumberOfRatings + Price, data = totalWine, scale = TRUE, center = TRUE)
prWine
```

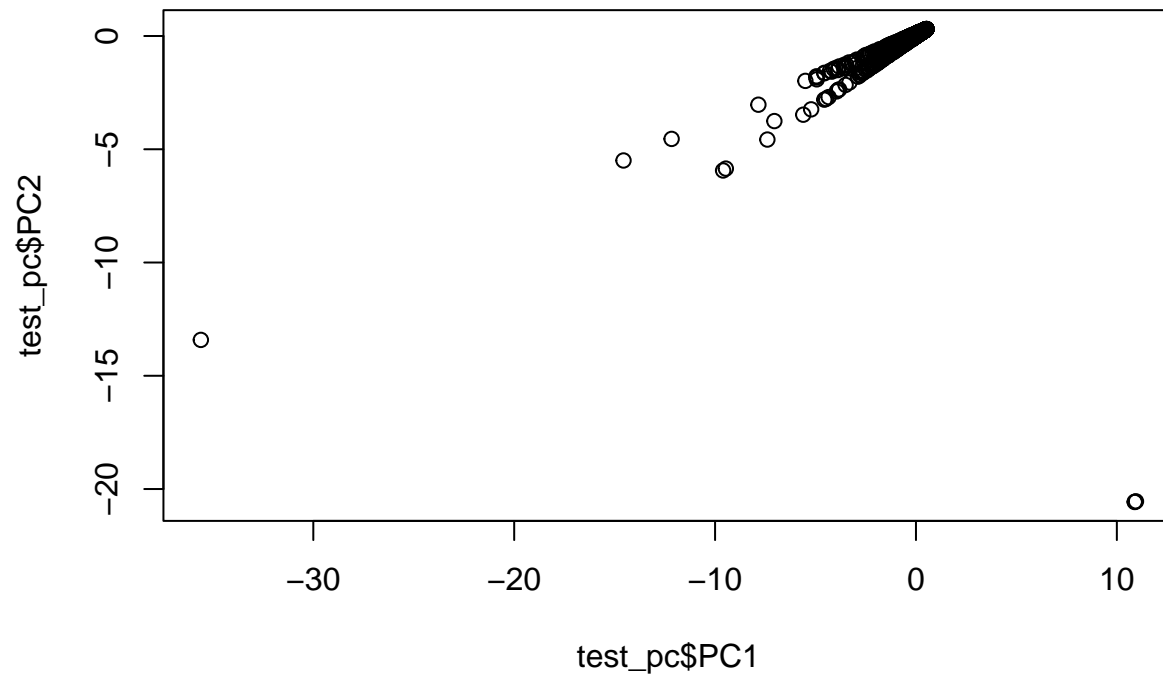
```
## Standard deviations (1, ..., p=3):
## [1] 1.0172517 0.9945634 0.9879488
##
## Rotation (n x k) = (3 x 3):
##                PC1      PC2      PC3
## Rating      -0.4884176  0.8706445 -0.05853558
## NumberOfRatings -0.6114703 -0.3893384 -0.68885393
## Price        -0.6225370 -0.3006556  0.72253294
```

As we can see, PCA found three principal components that are responsible for 95% of the variance. I will elect to leave out PC3, as a vast majority of the variance is found in PC1 and PC2. (As the first PC captures the most variance, and subsequent PCs will represent reducing variances.) Additionally, you may have noticed that we only have one attribute that is continuous (Price), this is problematic as PCA would assume that it performs its methods on continuous variables when we've included two other discrete measures in Year and Rating. This may cause some trouble with our predictions.

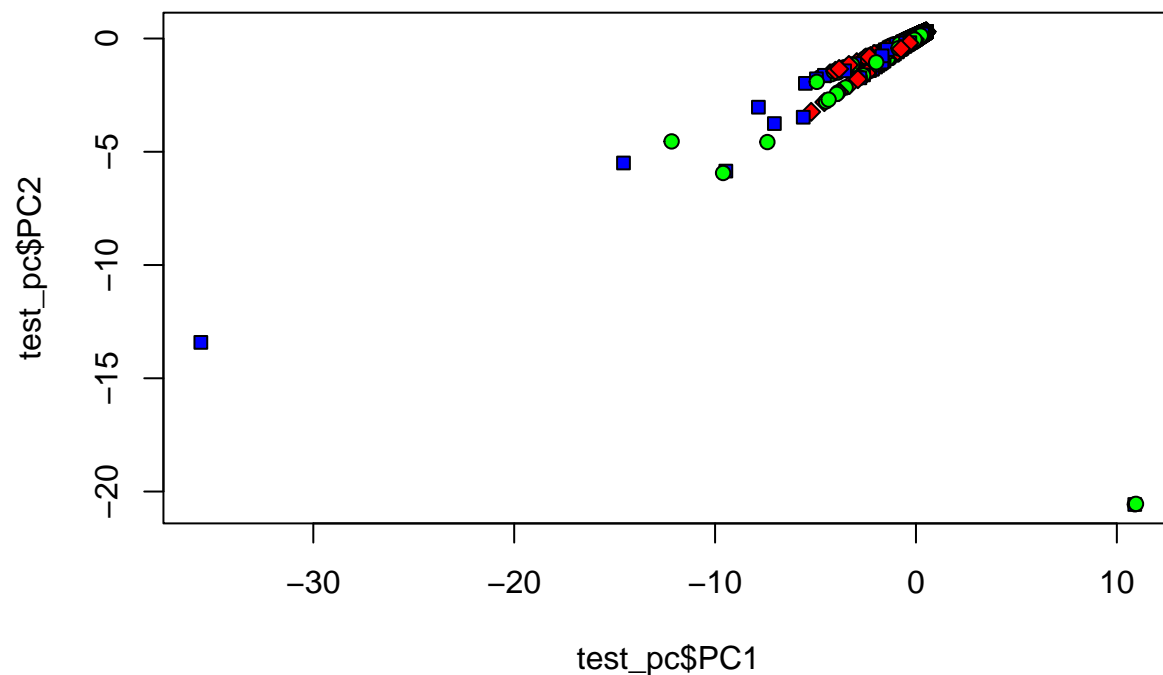
```
train_pc <- predict(pca_out, train[, 1:5])
summary(train_pc)
```

```
##      Country      Year      PC1      PC2
## Length:10401    Length:10401    Min.   :-16.54772    Min.   :-20.7843
## Class :character Class :character 1st Qu.: -0.06901    1st Qu.:  0.0163
## Mode  :character Mode  :character Median :  0.24843    Median :  0.1735
##                                     Mean  :  0.00000    Mean   :  0.0000
##                                     3rd Qu.:  0.39359    3rd Qu.:  0.2441
##                                     Max.   : 10.95378    Max.   :  0.3122
##      PC3
## Min.   :-18.48415
## 1st Qu.: -0.15550
## Median : -0.01497
## Mean   :  0.00000
## 3rd Qu.:  0.13977
## Max.   : 18.91313
```

```
test_pc <- predict(pca_out, test[,])
plot(test_pc$PC1, test_pc$PC2)
```



```
plot(test_pc$PC1, test_pc$PC2, pch=c(23,21,22), bg=c("red","green","blue"))
```



that we have done our PCA, let's try linear regression.

```
lm1 <- lm(train_pc$PC1 ~ ., data = train_pc)
summary(lm1)
```

```
##
## Call:
```

Now

```
## lm(formula = train_pc$PC1 ~ ., data = train_pc)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -16.8077  -0.0996   0.1177   0.3170  10.0909
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    -1.947571    0.247710  -7.862 4.15e-15 ***
## CountryAustralia    0.151215    0.086921   1.740 0.081944 .
## CountryAustria     0.549253    0.079132   6.941 4.13e-12 ***
## CountryBrazil      1.093705    0.173429   6.306 2.97e-10 ***
## CountryBulgaria    0.496977    0.677377   0.734 0.463161
## CountryCanada      0.707665    0.955950   0.740 0.459151
## CountryChile       0.222555    0.079948   2.784 0.005383 **
## CountryChina       3.437206    0.557904   6.161 7.50e-10 ***
## CountryCroatia     0.596618    0.481002   1.240 0.214868
## CountryCzech Republic 0.375018    0.677401   0.554 0.579856
## CountryFrance      0.241890    0.065233   3.708 0.000210 ***
## CountryGeorgia     0.615464    0.308142   1.997 0.045814 *
## CountryGermany     0.491436    0.069275   7.094 1.39e-12 ***
## CountryGreece      0.607362    0.227487   2.670 0.007600 **
## CountryHungary     0.682163    0.254011   2.686 0.007252 **
## CountryIsrael      0.422327    0.227414   1.857 0.063327 .
## CountryItaly       0.313732    0.064231   4.884 1.05e-06 ***
## CountryLebanon     -0.519928    0.300031  -1.733 0.083141 .
## CountryLuxembourg   0.624488    0.480926   1.299 0.194140
## CountryMexico      0.232642    0.956626   0.243 0.807863
## CountryMoldova     -0.062071    0.307907  -0.202 0.840241
## CountryNew Zealand  0.225620    0.104683   2.155 0.031164 *
## CountryPortugal    0.413266    0.086162   4.796 1.64e-06 ***
## CountryRomania     0.675437    0.184928   3.652 0.000261 ***
## CountrySlovakia    0.639328    0.677386   0.944 0.345286
## CountrySlovenia    0.631912    0.282277   2.239 0.025201 *
## CountrySouth Africa 0.468376    0.071791   6.524 7.16e-11 ***
## CountrySpain       0.327171    0.067503   4.847 1.27e-06 ***
## CountrySwitzerland 0.356522    0.227498   1.567 0.117111
## CountryTurkey      0.568930    0.324048   1.756 0.079170 .
## CountryUnited Kingdom 0.245637    0.554625   0.443 0.657856
## CountryUnited States -0.167760    0.077213  -2.173 0.029826 *
## CountryUruguay     -0.532162    0.554220  -0.960 0.336978
## Year2001           1.170203    0.398062   2.940 0.003292 **
## Year2002          -0.265421    0.432899  -0.613 0.539807
## Year2003           0.553260    0.364327   1.519 0.128899
## Year2004           0.618371    0.299050   2.068 0.038685 *
## Year2005           0.664562    0.254822   2.608 0.009122 **
## Year2006           0.192919    0.276723   0.697 0.485719
## Year2007           0.884881    0.276914   3.196 0.001400 **
## Year2008           0.612363    0.262004   2.337 0.019446 *
## Year2009           0.644891    0.263526   2.447 0.014415 *
## Year2010           0.664953    0.251239   2.647 0.008141 **
## Year2011           1.276985    0.246814   5.174 2.34e-07 ***
## Year2012           1.321315    0.245142   5.390 7.20e-08 ***
## Year2013           1.383877    0.243527   5.683 1.36e-08 ***
```

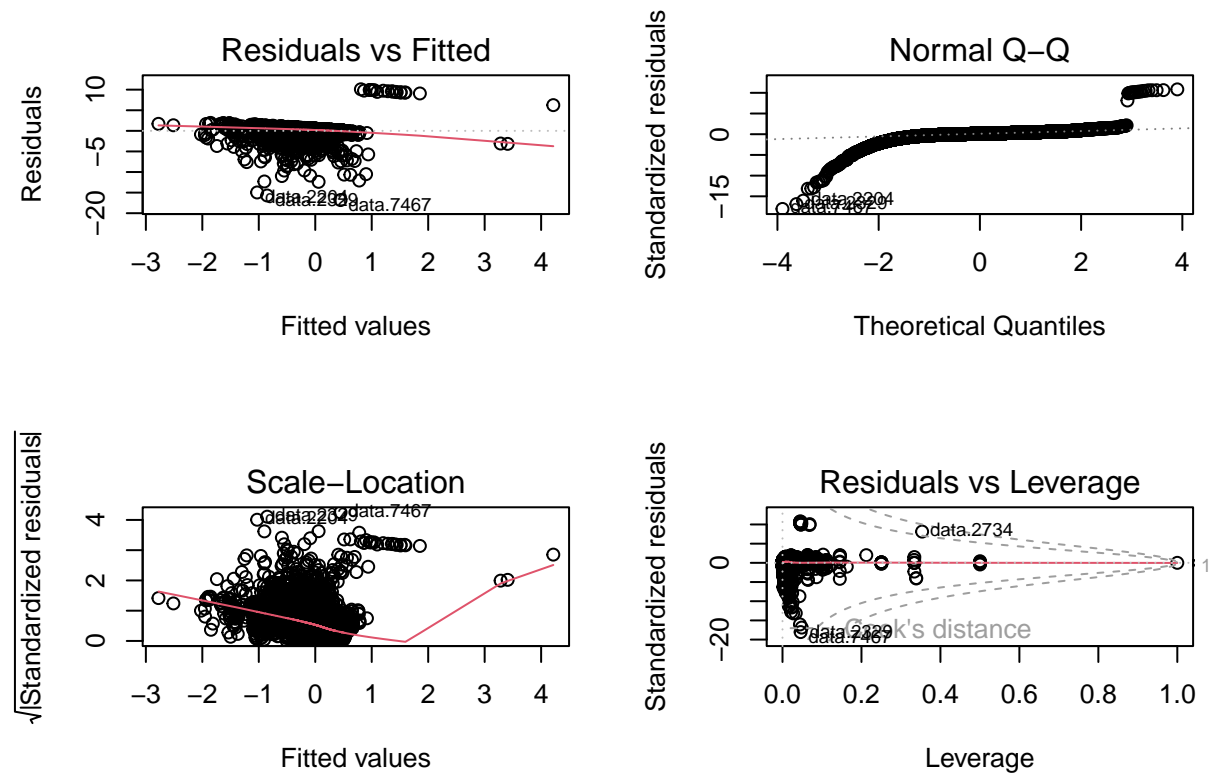


```
## Year2014          1.505250    0.242455    6.208 5.56e-10 ***
## Year2015          1.542855    0.241325    6.393 1.69e-10 ***
## Year2016          1.650301    0.240959    6.849 7.87e-12 ***
## Year2017          1.782088    0.241103    7.391 1.57e-13 ***
## Year2018          1.936895    0.241028    8.036 1.03e-15 ***
## Year2019          1.994149    0.242817    8.213 2.42e-16 ***
## Year2020          1.966979    0.716857    2.744 0.006082 **
## PC2              -0.044483    0.009606   -4.631 3.68e-06 ***
## PC3               0.064372    0.009998    6.439 1.26e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.9537 on 10346 degrees of freedom
## Multiple R-squared:  0.1316, Adjusted R-squared:  0.127
## F-statistic: 29.03 on 54 and 10346 DF,  p-value: < 2.2e-16
```

Now let's plot the residuals.

```
par(mfrow = c(2,2))
plot(lm1)
```

```
## Warning: not plotting observations with leverage one:
##      2844
## Warning in sqrt(crit * p * (1 - hh)/hh): NaNs produced
## Warning in sqrt(crit * p * (1 - hh)/hh): NaNs produced
```



```
pred1 <- predict(lm1, newdata = test_pc)
summary(pred1)
```

```
##      Min.      1st Qu.      Median      Mean      3rd Qu.      Max.
```

```
## -1.938770 -0.156253 0.038845 -0.006681 0.262473 2.811055
```

```
print(cor(pred1, test_pc$PC1))
```

```
## [1] 0.1674418
```

```
print(mean(pred1 - test_pc$PC1) ^ 2)
```

```
## [1] 7.671703e-06
```

```
rmse1 <- sqrt(mean(pred1 - test_pc$PC1) ^ 2)
```

```
rmse1
```

```
## [1] 0.002769784
```

We can see that our correlation values fell a bit, signaling a slight reduction in accuracy. Which makes sense as we had reduced our data.

LDA

Linear discriminant analysis WILL consider class, unlike its cousin PCA. Thus, LDA can be superior when we have a known class to fit data into. LDA finds a linear combination of predictors that maximizes separation between classes and minimizes the standard deviation within a class.

```
library(MASS)
```

```
##
```

```
## Attaching package: 'MASS'
```

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

```
##
```

```
##      select
```

```
lda1 <- lda(Price~., data = train)
```

```
lda1$means
```

##	CountryAustralia	CountryAustria	CountryBrazil	CountryBulgaria
## 3.55	0.00000000	0.00000000	0.00000000	0.00000000
## 3.7	0.00000000	0.00000000	0.00000000	0.00000000
## 3.74	0.00000000	0.00000000	0.00000000	0.00000000
## 3.75	0.00000000	0.00000000	0.00000000	0.00000000
## 3.79	0.00000000	0.00000000	0.00000000	0.00000000
## 3.95	0.00000000	0.00000000	0.00000000	0.00000000
## 3.99	0.00000000	0.00000000	0.00000000	0.00000000
## 4	0.00000000	0.00000000	0.00000000	0.00000000
## 4.15	0.00000000	0.00000000	0.00000000	0.00000000
## 4.16	0.00000000	0.00000000	0.00000000	0.00000000
## 4.25	0.00000000	0.00000000	0.00000000	0.00000000
## 4.28	0.00000000	0.00000000	0.00000000	0.00000000
## 4.29	0.00000000	0.00000000	0.00000000	0.00000000
## 4.3	0.00000000	0.00000000	0.00000000	0.00000000
## 4.31	0.00000000	0.00000000	0.00000000	0.00000000
## 4.38	0.00000000	0.00000000	0.00000000	0.00000000
## 4.4	0.00000000	0.00000000	0.00000000	0.00000000
## 4.44	0.00000000	0.00000000	0.00000000	0.00000000
## 4.45	0.00000000	0.00000000	0.00000000	0.00000000
## 4.5	0.00000000	0.00000000	0.00000000	0.00000000
## 4.55	0.00000000	0.00000000	0.00000000	0.00000000

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## 8.5	0.04347826	0.00000000	0.00000000	0.00000000
## 8.52	0.00000000	0.50000000	0.00000000	0.00000000
## 8.53	0.25000000	0.00000000	0.00000000	0.00000000
## 8.54	0.00000000	0.00000000	0.00000000	0.00000000
## 8.55	0.00000000	0.33333333	0.00000000	0.00000000
## 8.56	0.00000000	0.00000000	0.00000000	0.00000000
## 8.57	0.00000000	0.00000000	0.00000000	0.00000000
## 8.58	0.00000000	0.00000000	0.00000000	0.00000000
## 8.59	0.00000000	0.00000000	0.00000000	0.00000000
## 8.6	0.00000000	0.00000000	0.00000000	0.00000000
## 8.61	0.00000000	0.00000000	0.00000000	0.00000000
## 8.62	0.00000000	0.00000000	0.00000000	0.00000000
## 8.63	0.00000000	0.00000000	0.00000000	0.00000000
## 8.64	0.00000000	0.00000000	0.00000000	0.00000000
## 8.65	0.00000000	0.00000000	0.00000000	0.00000000
## 8.66	0.00000000	0.00000000	0.00000000	0.00000000
## 8.67	0.14285714	0.00000000	0.00000000	0.00000000
## 8.68	0.08000000	0.00000000	0.00000000	0.00000000
## 8.69	0.00000000	0.14285714	0.00000000	0.00000000
## 8.7	0.08333333	0.16666667	0.00000000	0.00000000
## 8.71	0.00000000	0.00000000	0.00000000	0.00000000
## 8.72	0.04444444	0.00000000	0.00000000	0.00000000
## 8.73	0.00000000	0.00000000	0.00000000	0.00000000
## 8.74	0.00000000	0.00000000	0.00000000	0.00000000
## 8.75	0.00000000	0.07692308	0.00000000	0.00000000
## 8.76	0.00000000	0.00000000	0.00000000	0.00000000
## 8.77	0.00000000	0.00000000	0.00000000	0.00000000
## 8.78	0.26666667	0.00000000	0.00000000	0.00000000
## 8.79	0.50000000	0.00000000	0.00000000	0.00000000
## 8.8	0.00000000	0.22222222	0.00000000	0.00000000
## 8.83	0.25000000	0.00000000	0.00000000	0.00000000
## 8.84	0.00000000	0.00000000	0.00000000	0.00000000
## 8.85	0.00000000	0.00000000	0.00000000	0.00000000
## 8.87	0.00000000	0.00000000	0.00000000	0.33333333
## 8.89	0.00000000	0.16666667	0.00000000	0.00000000
## 8.9	0.00000000	0.01470588	0.00000000	0.00000000
## 8.92	0.00000000	0.00000000	0.00000000	0.00000000
## 8.93	0.00000000	0.00000000	0.00000000	0.00000000
## 8.94	0.00000000	0.00000000	0.00000000	0.00000000
## 8.95	0.00000000	0.00000000	0.00000000	0.00000000
## 8.96	0.00000000	0.00000000	0.00000000	0.00000000
## 8.97	0.00000000	0.00000000	0.00000000	0.00000000
## 8.98	0.00000000	0.66666667	0.00000000	0.00000000
## 8.99	0.00000000	0.00000000	0.00000000	0.00000000
## 9	0.00000000	0.00000000	0.00000000	0.00000000
## 9.05	0.00000000	0.00000000	0.00000000	0.00000000
## 9.08	0.00000000	0.00000000	0.00000000	0.00000000
## 9.09	0.00000000	0.00000000	0.00000000	0.00000000
## 9.1	0.00000000	0.00000000	0.00000000	0.00000000
## 9.11	0.00000000	0.00000000	0.00000000	0.00000000
## 9.12	0.00000000	0.00000000	0.00000000	0.00000000
## 9.13	0.00000000	0.00000000	0.00000000	0.00000000
## 9.15	0.00000000	0.00000000	0.00000000	0.00000000
## 9.16	0.00000000	0.00000000	0.00000000	0.00000000

## 9.17	0.00000000	0.25000000	0.00000000	0.00000000
## 9.19	0.00000000	0.00000000	0.00000000	0.00000000
## 9.2	0.00000000	0.00000000	0.00000000	0.00000000
## 9.21	0.00000000	0.00000000	0.00000000	0.00000000
## 9.22	0.00000000	0.00000000	0.00000000	0.00000000
## 9.23	0.50000000	0.00000000	0.00000000	0.00000000
## 9.24	0.00000000	0.00000000	0.00000000	0.00000000
## 9.25	0.00000000	0.00000000	0.00000000	0.00000000
## 9.26	0.06451613	0.00000000	0.00000000	0.00000000
## 9.28	0.00000000	0.00000000	0.00000000	0.00000000
## 9.29	0.50000000	0.00000000	0.00000000	0.00000000
## 9.3	0.00000000	0.00000000	0.00000000	0.00000000
## 9.31	0.00000000	0.00000000	0.00000000	0.00000000
## 9.34	0.00000000	0.00000000	0.00000000	0.00000000
## 9.35	0.00000000	0.00000000	0.00000000	0.00000000
## 9.36	0.00000000	0.00000000	0.00000000	0.00000000
## 9.37	0.00000000	0.00000000	0.00000000	0.00000000
## 9.39	0.00000000	0.00000000	0.00000000	0.00000000
## 9.4	0.07692308	0.15384615	0.00000000	0.00000000
## 9.42	0.00000000	0.00000000	0.00000000	0.00000000
## 9.44	0.00000000	0.66666667	0.00000000	0.00000000
## 9.45	0.00000000	0.00000000	0.00000000	0.00000000
## 9.46	0.00000000	0.00000000	0.00000000	0.00000000
## 9.48	0.00000000	0.00000000	0.00000000	0.00000000
## 9.49	0.22222222	0.00000000	0.00000000	0.00000000
## 9.5	0.03448276	0.02298851	0.00000000	0.00000000
## 9.51	0.00000000	0.50000000	0.00000000	0.00000000
## 9.52	0.00000000	0.00000000	0.00000000	0.00000000
## 9.53	0.00000000	0.00000000	0.00000000	0.00000000
## 9.54	0.00000000	0.00000000	0.00000000	0.00000000
## 9.55	0.16666667	0.16666667	0.00000000	0.00000000
## 9.56	0.00000000	0.00000000	0.00000000	0.00000000
## 9.57	0.00000000	0.00000000	0.00000000	0.00000000
## 9.59	0.00000000	0.00000000	0.00000000	0.00000000
## 9.6	0.00000000	0.00000000	0.00000000	0.00000000
## 9.61	0.00000000	0.00000000	0.00000000	0.00000000
## 9.62	0.00000000	0.00000000	0.00000000	0.00000000
## 9.64	0.00000000	0.00000000	0.00000000	0.00000000
## 9.65	0.00000000	0.00000000	0.00000000	0.00000000
## 9.66	0.00000000	0.00000000	0.00000000	0.00000000
## 9.68	0.00000000	0.33333333	0.00000000	0.00000000
## 9.69	0.00000000	0.00000000	0.00000000	0.00000000
## 9.7	0.00000000	0.03703704	0.00000000	0.00000000
## 9.72	0.00000000	0.25000000	0.00000000	0.00000000
## 9.73	0.00000000	0.00000000	0.00000000	0.00000000
## 9.74	0.00000000	0.25000000	0.00000000	0.00000000
## 9.75	0.00000000	0.00000000	0.00000000	0.00000000
## 9.76	0.00000000	0.00000000	0.00000000	0.00000000
## 9.78	0.50000000	0.00000000	0.00000000	0.00000000
## 9.79	0.00000000	0.00000000	0.00000000	0.00000000
## 9.8	0.00000000	0.00000000	0.00000000	0.00000000
## 9.82	0.00000000	0.50000000	0.00000000	0.00000000
## 9.83	0.00000000	0.00000000	0.00000000	0.00000000
## 9.85	0.00000000	0.10000000	0.00000000	0.00000000

## 9.88	0.00000000	0.00000000	0.00000000	0.00000000
## 9.89	0.00000000	0.00000000	0.00000000	0.00000000
## 9.9	0.01086957	0.02173913	0.02173913	0.00000000
## 9.91	0.00000000	0.66666667	0.00000000	0.00000000
## 9.94	0.00000000	0.00000000	0.00000000	0.00000000
## 9.95	0.00000000	0.05882353	0.01960784	0.00000000
## 9.98	0.33333333	0.00000000	0.00000000	0.00000000
## 9.99	0.00000000	0.02500000	0.00000000	0.00000000
## 10	0.00000000	0.00000000	0.00000000	0.00000000
## 10.01	0.00000000	0.00000000	0.00000000	0.00000000
## 10.04	0.00000000	0.00000000	0.00000000	0.00000000
## 10.08	0.00000000	1.00000000	0.00000000	0.00000000
## 10.09	0.00000000	0.33333333	0.00000000	0.00000000
## 10.1	0.00000000	0.00000000	0.00000000	0.00000000
## 10.11	0.00000000	0.00000000	0.00000000	0.00000000
## 10.15	0.00000000	0.00000000	0.00000000	0.00000000
## 10.18	0.00000000	0.00000000	0.00000000	0.00000000
## 10.19	0.00000000	0.00000000	0.00000000	0.00000000
## 10.21	0.00000000	0.00000000	0.00000000	0.00000000
## 10.23	0.00000000	0.11111111	0.00000000	0.00000000
## 10.24	0.00000000	0.00000000	0.00000000	0.00000000
## 10.25	0.00000000	0.00000000	0.00000000	0.00000000
## 10.26	0.00000000	0.00000000	0.00000000	0.00000000
## 10.27	0.00000000	0.00000000	0.00000000	0.00000000
## 10.28	0.00000000	0.33333333	0.00000000	0.00000000
## 10.29	0.00000000	0.00000000	0.00000000	0.00000000
## 10.3	0.00000000	0.40000000	0.00000000	0.00000000
## 10.31	0.00000000	0.00000000	0.00000000	0.00000000
## 10.32	0.00000000	0.00000000	0.00000000	0.00000000
## 10.35	0.00000000	0.00000000	0.00000000	0.00000000
## 10.38	0.00000000	0.00000000	0.00000000	0.00000000
## 10.39	0.00000000	0.00000000	0.00000000	0.00000000
## 10.4	0.00000000	0.00000000	0.00000000	0.00000000
## 10.41	0.33333333	0.00000000	0.00000000	0.00000000
## 10.42	0.00000000	0.07692308	0.00000000	0.00000000
## 10.43	0.00000000	0.00000000	0.00000000	0.00000000
## 10.45	0.00000000	0.00000000	0.00000000	0.00000000
## 10.46	0.00000000	0.00000000	0.00000000	0.00000000
## 10.47	0.00000000	0.00000000	0.00000000	0.00000000
## 10.49	0.00000000	0.16666667	0.00000000	0.00000000
## 10.5	0.00000000	0.02127660	0.02127660	0.00000000
## 10.51	0.09090909	0.00000000	0.00000000	0.00000000
## 10.52	0.00000000	0.00000000	0.00000000	0.00000000
## 10.53	0.00000000	0.00000000	0.00000000	0.00000000
## 10.54	0.00000000	0.00000000	0.00000000	0.00000000
## 10.56	0.00000000	0.00000000	0.00000000	0.00000000
## 10.57	0.00000000	0.00000000	0.00000000	0.00000000
## 10.59	0.00000000	0.00000000	0.00000000	0.00000000
## 10.6	0.07692308	0.15384615	0.00000000	0.00000000
## 10.62	0.00000000	0.00000000	0.00000000	0.00000000
## 10.63	0.00000000	0.06250000	0.00000000	0.00000000
## 10.65	0.00000000	0.25000000	0.00000000	0.00000000
## 10.66	0.00000000	0.00000000	0.00000000	0.00000000
## 10.67	0.00000000	0.00000000	0.00000000	0.00000000

[illegible]

## 11.44	0.00000000	0.00000000	0.00000000	0.00000000
## 11.45	0.00000000	0.06250000	0.12500000	0.00000000
## 11.46	0.00000000	0.00000000	0.00000000	0.00000000
## 11.47	0.00000000	0.00000000	0.00000000	0.00000000
## 11.48	0.00000000	0.00000000	0.00000000	0.00000000
## 11.49	0.14285714	0.00000000	0.00000000	0.00000000
## 11.5	0.05555556	0.03703704	0.03703704	0.00000000
## 11.51	0.00000000	0.00000000	0.00000000	0.00000000
## 11.54	0.00000000	0.00000000	0.00000000	0.00000000
## 11.55	0.00000000	0.00000000	0.00000000	0.00000000
## 11.56	0.00000000	0.00000000	0.00000000	0.00000000
## 11.59	0.00000000	0.50000000	0.00000000	0.00000000
## 11.6	0.03030303	0.06060606	0.00000000	0.00000000
## 11.61	0.00000000	0.00000000	0.00000000	0.00000000
## 11.62	0.00000000	0.00000000	0.00000000	0.00000000
## 11.63	0.00000000	0.00000000	0.00000000	0.00000000
## 11.64	0.00000000	0.00000000	0.00000000	0.00000000
## 11.65	0.00000000	0.00000000	0.18750000	0.00000000
## 11.67	0.00000000	1.00000000	0.00000000	0.00000000
## 11.69	0.00000000	0.20000000	0.00000000	0.00000000
## 11.7	0.00000000	0.00000000	0.00000000	0.00000000
## 11.74	0.00000000	0.00000000	0.00000000	0.00000000
## 11.75	0.00000000	0.00000000	0.00000000	0.00000000
## 11.76	0.00000000	1.00000000	0.00000000	0.00000000
## 11.8	0.00000000	0.00000000	0.00000000	0.00000000
## 11.82	0.00000000	0.00000000	0.00000000	0.00000000
## 11.85	0.00000000	0.00000000	0.00000000	0.00000000
## 11.86	0.00000000	0.00000000	0.00000000	0.00000000
## 11.89	0.08333333	0.00000000	0.00000000	0.00000000
## 11.9	0.03571429	0.00000000	0.00000000	0.00000000
## 11.92	0.00000000	0.00000000	0.00000000	0.00000000
## 11.94	0.00000000	0.00000000	0.00000000	0.00000000
## 11.95	0.05405405	0.10810811	0.02702703	0.00000000
## 11.98	0.00000000	0.00000000	0.00000000	0.00000000
## 11.99	0.00000000	0.20000000	0.00000000	0.00000000
## 12	0.00000000	0.11111111	0.00000000	0.00000000
## 12.03	0.00000000	0.00000000	0.00000000	0.00000000
## 12.05	0.00000000	0.00000000	0.00000000	0.00000000
## 12.06	0.00000000	0.00000000	0.00000000	0.00000000
## 12.08	0.00000000	0.00000000	0.00000000	0.00000000
## 12.09	0.00000000	0.00000000	0.00000000	0.00000000
## 12.1	0.00000000	0.00000000	0.00000000	0.00000000
## 12.11	0.00000000	0.00000000	0.00000000	0.00000000
## 12.12	0.33333333	0.00000000	0.00000000	0.00000000
## 12.13	0.00000000	0.00000000	0.00000000	0.00000000
## 12.14	0.07692308	0.00000000	0.00000000	0.00000000
## 12.18	0.00000000	0.08333333	0.00000000	0.00000000
## 12.19	0.06250000	0.00000000	0.00000000	0.00000000
## 12.2	0.00000000	0.00000000	0.00000000	0.00000000
## 12.21	0.00000000	0.00000000	0.00000000	0.00000000
## 12.23	0.00000000	0.00000000	0.00000000	0.00000000
## 12.25	0.00000000	0.08333333	0.00000000	0.00000000
## 12.28	0.00000000	0.00000000	0.00000000	0.00000000
## 12.3	0.00000000	0.16666667	0.00000000	0.00000000

[illegible]

## 13.09	0.12500000	0.12500000	0.00000000	0.00000000
## 13.1	0.00000000	0.00000000	0.00000000	0.00000000
## 13.14	0.00000000	1.00000000	0.00000000	0.00000000
## 13.15	0.10526316	0.05263158	0.00000000	0.00000000
## 13.16	0.00000000	0.09090909	0.00000000	0.00000000
## 13.19	0.00000000	0.00000000	0.00000000	0.00000000
## 13.2	0.00000000	1.00000000	0.00000000	0.00000000
## 13.21	0.00000000	0.00000000	0.00000000	0.00000000
## 13.24	0.00000000	1.00000000	0.00000000	0.00000000
## 13.25	0.00000000	0.08333333	0.00000000	0.00000000
## 13.26	0.00000000	0.11111111	0.00000000	0.00000000
## 13.27	0.00000000	0.00000000	0.00000000	0.00000000
## 13.29	0.00000000	0.00000000	0.00000000	0.00000000
## 13.3	0.00000000	0.00000000	0.00000000	0.00000000
## 13.33	0.00000000	0.00000000	0.00000000	0.00000000
## 13.34	0.00000000	0.00000000	0.00000000	0.00000000
## 13.35	0.00000000	0.00000000	0.00000000	0.00000000
## 13.36	0.00000000	0.00000000	0.00000000	0.00000000
## 13.37	0.00000000	0.00000000	0.00000000	0.00000000
## 13.38	0.00000000	0.00000000	0.00000000	0.00000000
## 13.39	0.00000000	0.00000000	0.00000000	0.00000000
## 13.4	0.00000000	0.00000000	0.00000000	0.00000000
## 13.41	0.00000000	0.00000000	0.00000000	0.00000000
## 13.42	0.00000000	0.33333333	0.00000000	0.00000000
## 13.43	0.00000000	0.33333333	0.00000000	0.00000000
## 13.44	0.00000000	0.00000000	0.00000000	0.00000000
## 13.45	0.00000000	0.00000000	0.00000000	0.00000000
## 13.47	0.00000000	0.00000000	0.00000000	0.00000000
## 13.48	0.00000000	0.00000000	0.00000000	0.00000000
## 13.49	0.00000000	0.00000000	0.00000000	0.00000000
## 13.5	0.00000000	0.04878049	0.00000000	0.00000000
## 13.52	0.00000000	0.00000000	0.00000000	0.00000000
## 13.53	0.00000000	0.00000000	0.00000000	0.00000000
## 13.54	0.00000000	0.33333333	0.00000000	0.00000000
## 13.55	0.00000000	0.00000000	0.00000000	0.00000000
## 13.57	0.00000000	0.10000000	0.00000000	0.00000000
## 13.58	0.16666667	0.00000000	0.00000000	0.00000000
## 13.6	0.00000000	0.09523810	0.04761905	0.00000000
## 13.61	0.00000000	1.00000000	0.00000000	0.00000000
## 13.64	0.00000000	0.00000000	0.00000000	0.00000000
## 13.65	0.00000000	0.00000000	0.00000000	0.00000000
## 13.68	0.00000000	0.00000000	0.00000000	0.00000000
## 13.69	0.00000000	0.10000000	0.00000000	0.00000000
## 13.7	0.00000000	0.33333333	0.00000000	0.00000000
## 13.71	0.00000000	0.20000000	0.00000000	0.00000000
## 13.75	0.00000000	0.00000000	0.00000000	0.00000000
## 13.76	0.00000000	0.00000000	0.00000000	0.00000000
## 13.78	0.00000000	0.00000000	0.00000000	0.00000000
## 13.79	0.00000000	0.16666667	0.00000000	0.00000000
## 13.8	0.00000000	0.20000000	0.00000000	0.00000000
## 13.82	0.00000000	0.00000000	0.00000000	0.00000000
## 13.83	0.00000000	0.00000000	0.00000000	0.00000000
## 13.84	0.00000000	0.00000000	0.00000000	0.00000000
## 13.85	0.00000000	0.00000000	0.00000000	0.00000000

## 13.89	0.00000000	0.00000000	0.00000000	0.00000000
## 13.9	0.00000000	0.02325581	0.00000000	0.00000000
## 13.91	0.00000000	0.00000000	0.00000000	0.00000000
## 13.93	0.00000000	0.00000000	0.00000000	0.00000000
## 13.95	0.00000000	0.00000000	0.00000000	0.00000000
## 13.97	0.00000000	0.00000000	0.00000000	0.00000000
## 13.98	0.00000000	0.50000000	0.00000000	0.00000000
## 13.99	0.00000000	0.05263158	0.00000000	0.00000000
## 14	0.00000000	0.00000000	0.00000000	0.00000000
## 14.03	0.00000000	0.00000000	0.00000000	0.00000000
## 14.04	0.00000000	0.00000000	0.00000000	0.00000000
## 14.06	0.00000000	0.25000000	0.00000000	0.00000000
## 14.08	0.00000000	0.00000000	0.00000000	0.00000000
## 14.09	0.20000000	0.00000000	0.00000000	0.00000000
## 14.1	0.00000000	0.00000000	0.00000000	0.00000000
## 14.11	0.00000000	0.00000000	0.00000000	0.00000000
## 14.13	0.05882353	0.00000000	0.00000000	0.00000000
## 14.14	0.00000000	0.00000000	0.00000000	0.00000000
## 14.16	0.00000000	0.00000000	0.00000000	0.00000000
## 14.18	0.00000000	0.00000000	0.00000000	0.00000000
## 14.19	0.00000000	0.00000000	0.00000000	0.00000000
## 14.2	0.00000000	0.00000000	0.00000000	0.00000000
## 14.21	0.00000000	0.00000000	0.00000000	0.00000000
## 14.23	0.00000000	0.00000000	0.00000000	0.00000000
## 14.25	0.00000000	0.00000000	0.00000000	0.00000000
## 14.26	0.00000000	0.00000000	0.00000000	0.00000000
## 14.27	0.00000000	0.00000000	0.00000000	0.00000000
## 14.29	0.11111111	0.00000000	0.00000000	0.00000000
## 14.31	0.00000000	0.00000000	0.00000000	0.00000000
## 14.32	0.00000000	0.00000000	0.00000000	0.00000000
## 14.35	0.00000000	0.25000000	0.00000000	0.00000000
## 14.36	0.00000000	0.00000000	0.00000000	0.00000000
## 14.38	0.00000000	0.00000000	0.00000000	0.00000000
## 14.4	0.00000000	0.20000000	0.00000000	0.00000000
## 14.42	0.00000000	0.00000000	0.00000000	0.00000000
## 14.43	0.00000000	0.00000000	0.00000000	0.00000000
## 14.44	0.00000000	0.00000000	0.00000000	0.00000000
## 14.45	0.00000000	0.16666667	0.00000000	0.00000000
## 14.47	0.00000000	1.00000000	0.00000000	0.00000000
## 14.49	0.00000000	0.14285714	0.00000000	0.00000000
## 14.5	0.02380952	0.04761905	0.04761905	0.00000000
## 14.51	0.00000000	0.00000000	0.00000000	0.00000000
## 14.52	0.00000000	0.04761905	0.00000000	0.00000000
## 14.53	0.00000000	0.00000000	0.00000000	0.00000000
## 14.54	0.00000000	0.14285714	0.00000000	0.00000000
## 14.55	0.00000000	0.00000000	0.00000000	0.00000000
## 14.57	0.04545455	0.00000000	0.22727273	0.00000000
## 14.59	0.00000000	0.00000000	0.00000000	0.00000000
## 14.6	0.00000000	0.33333333	0.00000000	0.00000000
## 14.61	0.00000000	0.00000000	0.00000000	0.00000000
## 14.62	0.00000000	0.00000000	0.00000000	0.00000000
## 14.63	0.33333333	0.16666667	0.00000000	0.00000000
## 14.65	0.00000000	0.00000000	0.00000000	0.00000000
## 14.7	0.00000000	0.12500000	0.00000000	0.00000000

24

[illegible]

##	16.6	0.00000000	0.00000000	0.00000000	0.00000000
##	16.62	0.00000000	0.00000000	0.00000000	0.00000000
##	16.64	0.00000000	0.00000000	0.00000000	0.00000000
##	16.66	0.00000000	0.00000000	0.00000000	0.00000000
##	16.68	1.00000000	0.00000000	0.00000000	0.00000000
##	16.69	0.00000000	0.00000000	0.00000000	0.00000000
##	16.7	0.00000000	0.00000000	0.00000000	0.00000000
##	16.72	0.00000000	0.00000000	0.50000000	0.00000000
##	16.73	0.00000000	0.00000000	0.00000000	0.00000000
##	16.74	0.00000000	0.00000000	0.00000000	0.00000000
##	16.75	0.00000000	0.00000000	0.00000000	0.00000000
##	16.76	0.00000000	0.00000000	0.00000000	0.00000000
##	16.77	0.50000000	0.00000000	0.00000000	0.00000000
##	16.79	0.00000000	0.00000000	0.00000000	0.00000000
##	16.83	0.33333333	0.00000000	0.00000000	0.00000000
##	16.85	0.00000000	0.00000000	0.00000000	0.00000000
##	16.87	0.00000000	0.00000000	0.00000000	0.00000000
##	16.88	0.00000000	0.00000000	0.00000000	0.00000000
##	16.9	0.03636364	0.01818182	0.00000000	0.00000000
##	16.92	0.00000000	0.00000000	0.00000000	0.00000000
##	16.93	0.00000000	0.00000000	0.00000000	0.00000000
##	16.94	0.00000000	0.00000000	0.00000000	0.00000000
##	16.95	0.03225806	0.00000000	0.00000000	0.00000000
##	16.96	0.00000000	0.00000000	0.00000000	0.00000000
##	16.97	0.00000000	0.00000000	0.00000000	0.00000000
##	16.98	0.00000000	0.00000000	0.00000000	0.00000000
##	16.99	0.00000000	0.00000000	0.00000000	0.00000000
##	17	0.00000000	0.00000000	0.00000000	0.00000000
##	17.01	0.00000000	0.00000000	0.00000000	0.00000000
##	17.06	0.06666667	0.06666667	0.00000000	0.00000000
##	17.07	0.00000000	0.00000000	0.00000000	0.00000000
##	17.09	0.00000000	0.00000000	0.00000000	0.00000000
##	17.1	0.00000000	0.00000000	0.00000000	0.00000000
##	17.13	0.00000000	1.00000000	0.00000000	0.00000000
##	17.16	0.00000000	0.00000000	0.00000000	0.00000000
##	17.18	0.33333333	0.00000000	0.00000000	0.00000000
##	17.2	0.00000000	0.50000000	0.00000000	0.00000000
##	17.21	0.00000000	0.00000000	0.00000000	0.00000000
##	17.23	0.00000000	0.00000000	0.00000000	0.00000000
##	17.24	0.00000000	0.00000000	0.00000000	0.00000000
##	17.25	0.00000000	0.00000000	0.00000000	0.00000000
##	17.29	0.00000000	0.08333333	0.00000000	0.00000000
##	17.3	0.00000000	0.00000000	0.00000000	0.00000000
##	17.35	0.00000000	0.16666667	0.00000000	0.00000000
##	17.36	0.00000000	0.00000000	0.00000000	0.00000000
##	17.38	0.00000000	0.00000000	0.00000000	0.00000000
##	17.4	0.00000000	0.20000000	0.00000000	0.00000000
##	17.41	0.00000000	0.00000000	0.00000000	0.00000000
##	17.42	0.00000000	0.00000000	0.00000000	0.00000000
##	17.44	0.00000000	0.00000000	0.00000000	0.00000000
##	17.45	0.04347826	0.04347826	0.00000000	0.00000000
##	17.5	0.058			

[illegible]

##	18.53	0.00000000	0.00000000	0.00000000	0.00000000
##	18.6	0.00000000	0.00000000	0.00000000	0.00000000
##	18.64	0.00000000	1.00000000	0.00000000	0.00000000
##	18.7	0.00000000	0.00000000	0.00000000	0.00000000
##	18.72	0.00000000	0.00000000	0.00000000	0.00000000
##	18.73	0.00000000	0.00000000	0.00000000	0.00000000
##	18.75	0.00000000	0.00000000	0.00000000	0.00000000
##	18.79	0.00000000	0.00000000	0.00000000	0.00000000
##	18.8	0.00000000	0.25000000	0.00000000	0.00000000
##	18.81	0.00000000	0.00000000	0.00000000	0.00000000
##	18.83	0.00000000	0.00000000	0.00000000	0.00000000
##	18.84	0.00000000	0.00000000	0.00000000	0.00000000
##	18.85	0.00000000	0.00000000	0.00000000	0.00000000
##	18.86	0.00000000	0.00000000	0.00000000	0.00000000
##	18.89	0.00000000	0.00000000	0.00000000	0.00000000
##	18.9	0.02040816	0.02040816	0.00000000	0.00000000
##	18.92	0.25000000	0.00000000	0.00000000	0.00000000
##	18.93	0.00000000	0.00000000	0.00000000	0.00000000
##	18.94	0.00000000	0.00000000	0.00000000	0.00000000
##	18.95	0.05263158	0.00000000	0.00000000	0.00000000
##	18.97	0.00000000	0.00000000	0.00000000	0.00000000
##	18.98	0.00000000	1.00000000	0.00000000	0.00000000
##	18.99	0.12500000	0.00000000	0.00000000	0.00000000
##	19	0.00000000	0.00000000	0.00000000	0.00000000
##	19.01	0.00000000	0.11111111	0.00000000	0.00000000
##	19.02	0.00000000	0.00000000	0.00000000	0.00000000
##	19.05	0.00000000	0.00000000	0.00000000	0.00000000
##	19.07	0.00000000	0.00000000	0.00000000	0.00000000
##	19.11	0.00000000	0.00000000	0.00000000	0.00000000
##	19.2	0.00000000	0.25000000	0.00000000	0.00000000
##	19.24	0.00000000	0.00000000	0.00000000	0.00000000
##	19.25	0.00000000	0.00000000	0.00000000	0.00000000
##	19.26	0.00000000	0.00000000	0.00000000	0.00000000
##	19.29	0.00000000	0.00000000	0.00000000	0.00000000
##	19.3	0.10000000	0.00000000	0.00000000	0.00000000
##	19.31	0.00000000	0.00000000	0.00000000	0.00000000
##	19.35	0.00000000	0.40000000	0.00000000	0.00000000
##	19.37	0.00000000	0.00000000	0.00000000	0.00000000
##	19.39	0.00000000	0.14285714	0.00000000	0.00000000
##	19.4	0.00000000	0.10344828	0.00000000	0.00000000
##	19.42	0.20000000	0.00000000	0.00000000	0.00000000
##	19.43	0.00000000	0.00000000	0.00000000	0.00000000
##	19.44	0.00000000	0.00000000	0.00000000	0.00000000
##	19.45	0.00000000	0.00000000	0.00000000	0.00000000
##	19.47	0.00000000	0.00000000	0.00000000	0.00000000
##	19.48	0.00000000	0.00000000	0.00000000	0.00000000
##	19.49	0.20000000	0.00000000	0.00000000	0.00000000
##	19.5	0.00000000	0.00000000	0.00000000	0.00000000
##	19.53	0.00000000	0.00000000	0.00000000	0.00000000
##	19.58	0.00000000	0.00000000	0.00000000	0.00000000
##	19.6	0.00000000	0.00000000	0.00000000	0.00000000
##	19.65	0.0000			

##	19.72	0.00000000	0.00000000	0.00000000	0.00000000
##	19.75	0.00000000	0.00000000	0.00000000	0.00000000
##	19.77	0.00000000	0.00000000	0.00000000	0.00000000
##	19.79	0.00000000	0.00000000	0.00000000	0.00000000
##	19.8	0.00000000	0.00000000	0.00000000	0.00000000
##	19.82	0.00000000	0.00000000	0.00000000	0.00000000
##	19.85	0.00000000	0.00000000	0.00000000	0.00000000
##	19.86	0.00000000	0.00000000	0.00000000	0.00000000
##	19.87	0.00000000	0.00000000	0.00000000	0.00000000
##	19.88	0.00000000	0.00000000	0.00000000	0.00000000
##	19.89	0.00000000	0.00000000	0.00000000	0.00000000
##	19.9	0.01818182	0.03636364	0.00000000	0.00000000
##	19.91	0.00000000	0.50000000	0.00000000	0.00000000
##	19.95	0.06060606	0.03030303	0.00000000	0.00000000
##	19.98	0.25000000	0.00000000	0.00000000	0.00000000
##	19.99	0.04761905	0.00000000	0.00000000	0.00000000
##	20	0.50000000	0.00000000	0.00000000	0.00000000
##	20.09	0.00000000	0.00000000	0.00000000	0.00000000
##	20.15	0.00000000	0.00000000	0.00000000	0.00000000
##	20.19	0.00000000	0.00000000	0.00000000	0.00000000
##	20.2	0.00000000	0.00000000	0.00000000	0.00000000
##	20.25	0.00000000	0.00000000	0.00000000	0.00000000
##	20.27	0.00000000	0.00000000	0.00000000	0.00000000
##	20.28	0.00000000	0.75000000	0.00000000	0.00000000
##	20.29	0.00000000	0.00000000	0.00000000	0.00000000
##	20.32	0.00000000	0.00000000	0.00000000	0.00000000
##	20.36	0.00000000	0.00000000	0.00000000	0.00000000
##	20.37	0.00000000	0.00000000	0.00000000	0.00000000
##	20.4	0.00000000	0.00000000	0.00000000	0.00000000
##	20.42	0.00000000	0.00000000	0.00000000	0.00000000
##	20.43	0.00000000	1.00000000	0.00000000	0.00000000
##	20.47	0.00000000	0.16666667	0.00000000	0.00000000
##	20.5	0.00000000	0.00000000	0.00000000	0.00000000
##	20.53	0.00000000	0.00000000	0.00000000	0.00000000
##	20.54	0.00000000	0.25000000	0.00000000	0.00000000
##	20.65	0.00000000	0.00000000	0.00000000	0.00000000
##	20.67	0.00000000	0.00000000	0.00000000	0.00000000
##	20.74	0.00000000	0.00000000	0.00000000	0.00000000
##	20.75	0.60000000	0.00000000	0.00000000	0.00000000
##	20.76	0.80000000	0.00000000	0.00000000	0.00000000
##	20.81	0.00000000	0.00000000	0.00000000	0.00000000
##	20.84	0.00000000	0.50000000	0.00000000	0.00000000
##	20.85	0.00000000	0.00000000	0.00000000	0.00000000
##	20.86	0.00000000	0.00000000	0.00000000	0.00000000
##	20.88	0.00000000	0.00000000	0.00000000	0.00000000
##	20.89	0.00000000	0.00000000	0.00000000	0.00000000
##	20.9	0.10526316	0.05263158	0.00000000	0.00000000
##	20.93	0.00000000	0.00000000	0.00000000	0.00000000
##	20.95	0.00000000	0.09090909	0.00000000	0.00000000
##	20.96	0.00000000	0.00000000	0.00000000	0.00000000
##	20.97	0.00000000	0.00000000	0.00000000	0.00000000
##	20.99	0.0			

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##	48.31	1.00000000	0.00000000	0.00000000	0.00000000
##	48.32	0.00000000	0.00000000	0.00000000	0.00000000
##	48.37	1.00000000	0.00000000	0.00000000	0.00000000
##	48.4	0.00000000	0.00000000	0.00000000	0.00000000
##	48.43	0.00000000	0.00000000	0.00000000	0.00000000
##	48.45	0.00000000	0.00000000	0.00000000	0.00000000
##	48.5	0.00000000	0.00000000	0.00000000	0.00000000
##	48.54	0.00000000	0.00000000	0.00000000	0.00000000
##	48.55	0.00000000	0.00000000	0.00000000	0.00000000
##	48.6	0.00000000	0.00000000	0.00000000	0.00000000
##	48.64	0.00000000	0.00000000	0.00000000	0.00000000
##	48.69	0.00000000	0.00000000	0.00000000	0.00000000
##	48.74	0.00000000	0.00000000	0.00000000	0.00000000
##	48.76	0.00000000	0.00000000	0.00000000	0.00000000
##	48.79	0.00000000	0.00000000	0.00000000	0.00000000
##	48.9	0.33333333	0.00000000	0.00000000	0.00000000
##	48.95	0.00000000	0.00000000	0.00000000	0.00000000
##	49	0.08333333	0.08333333	0.00000000	0.00000000
##	49.02	0.00000000	0.00000000	0.00000000	0.00000000
##	49.09	0.00000000	0.00000000	0.00000000	0.00000000
##	49.37	0.00000000	0.00000000	0.00000000	0.00000000
##	49.47	0.00000000	1.00000000	0.00000000	0.00000000
##	49.5	0.20000000	0.00000000	0.00000000	0.00000000
##	49.55	0.00000000	0.00000000	0.00000000	0.00000000
##	49.6	0.00000000	0.00000000	0.00000000	0.00000000
##	49.75	0.00000000	0.00000000	0.00000000	0.00000000
##	49.76	0.00000000	0.00000000	0.00000000	0.00000000
##	49.77	0.00000000	0.00000000	0.00000000	0.00000000
##	49.88	0.00000000	0.00000000	0.00000000	0.00000000
##	49.9	0.00000000	0.00000000	0.00000000	0.00000000
##	49.95	0.00000000	0.00000000	0.00000000	0.00000000
##	49.98	0.00000000	0.00000000	0.00000000	0.00000000
##	49.99	0.00000000	0.00000000	0.00000000	0.00000000
##	50	0.00000000	0.00000000	0.00000000	0.00000000
##	50.09	0.00000000	0.00000000	0.00000000	0.00000000
##	50.11	0.00000000	0.00000000	0.00000000	0.00000000
##	50.19	0.00000000	0.00000000	0.00000000	0.00000000
##	50.33	0.00000000	0.00000000	0.00000000	0.00000000
##	50.43	0.00000000	0.00000000	0.00000000	0.00000000
##	50.47	0.00000000	1.00000000	0.00000000	0.00000000
##	50.56	0.00000000	0.00000000	0.00000000	0.00000000
##	50.6	0.00000000	0.00000000	0.00000000	0.00000000
##	50.67	0.00000000	0.00000000	0.00000000	0.00000000
##	50.69	0.00000000	0.00000000	0.00000000	0.00000000
##	50.85	0.00000000	0.00000000	0.00000000	0.00000000
##	50.9	0.00000000	0.00000000	0.00000000	0.00000000
##	50.95	0.00000000	0.00000000	0.00000000	0.00000000
##	51.15	0.00000000	0.00000000	0.00000000	0.00000000
##		CountryCanada	CountryChile	CountryChina	CountryCroatia
##	3.55	0.00000000	0.00000000	0.00000000	0.00000000
##	3.7	0.00000000	0.00000000	0.00000000	0.00000000
##					

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## 5.8	0.00000000	0.15384615	0.00000000	0.00000000
## 5.81	0.00000000	0.16666667	0.00000000	0.00000000
## 5.82	0.00000000	0.00000000	0.00000000	0.00000000
## 5.84	0.00000000	0.50000000	0.00000000	0.00000000
## 5.85	0.00000000	0.00000000	0.00000000	0.00000000
## 5.89	0.00000000	0.00000000	0.00000000	0.00000000
## 5.9	0.00000000	0.03846154	0.00000000	0.03846154
## 5.94	0.00000000	0.00000000	0.00000000	0.00000000
## 5.95	0.00000000	0.15151515	0.00000000	0.00000000
## 5.98	0.00000000	0.00000000	0.00000000	0.00000000
## 5.99	0.00000000	0.10526316	0.00000000	0.00000000
## 6	0.00000000	0.09090909	0.00000000	0.09090909
## 6.02	0.00000000	1.00000000	0.00000000	0.00000000
## 6.03	0.00000000	0.00000000	0.00000000	0.00000000
## 6.05	0.00000000	0.14285714	0.00000000	0.00000000
## 6.09	0.00000000	0.20000000	0.00000000	0.00000000
## 6.1	0.00000000	0.00000000	0.00000000	0.00000000
## 6.12	0.00000000	0.66666667	0.00000000	0.00000000
## 6.13	0.00000000	0.00000000	0.00000000	0.00000000
## 6.15	0.00000000	0.00000000	0.00000000	0.00000000
## 6.16	0.00000000	0.00000000	0.00000000	0.00000000
## 6.19	0.00000000	0.00000000	0.00000000	0.00000000
## 6.2	0.00000000	0.10000000	0.00000000	0.10000000
## 6.21	0.00000000	0.00000000	0.00000000	0.00000000
## 6.23	0.00000000	0.00000000	0.00000000	0.00000000
## 6.24	0.00000000	0.00000000	0.00000000	0.00000000
## 6.25	0.00000000	0.09090909	0.00000000	0.09090909
## 6.26	0.00000000	0.00000000	0.00000000	1.00000000
## 6.29	0.00000000	0.25000000	0.00000000	0.12500000
## 6.3	0.00000000	0.00000000	0.00000000	0.00000000
## 6.31	0.00000000	0.00000000	0.00000000	0.00000000
## 6.32	0.00000000	0.10000000	0.00000000	0.00000000
## 6.33	0.00000000	0.26666667	0.00000000	0.00000000
## 6.34	0.00000000	0.00000000	0.00000000	0.00000000
## 6.35	0.00000000	0.00000000	0.00000000	0.00000000
## 6.39	0.00000000	0.66666667	0.00000000	0.00000000
## 6.4	0.00000000	0.20000000	0.00000000	0.40000000
## 6.41	0.00000000	1.00000000	0.00000000	0.00000000
## 6.42	0.00000000	0.00000000	0.00000000	0.00000000
## 6.43	0.00000000	0.00000000	0.00000000	0.00000000
## 6.44	0.00000000	0.00000000	0.00000000	0.33333333
## 6.45	0.00000000	0.00000000	0.00000000	0.00000000
## 6.49	0.00000000	0.30000000	0.00000000	0.00000000
## 6.5	0.00000000	0.18181818	0.00000000	0.02272727
## 6.51	0.00000000	1.00000000	0.00000000	0.00000000
## 6.53	0.00000000	0.50000000	0.00000000	0.00000000
## 6.54	0.00000000	0.00000000	0.00000000	0.00000000
## 6.55	0.00000000	1.00000000	0.00000000	0.00000000
## 6.57	0.00000000	0.00000000	0.00000000	0.00000000
## 6.58	0.00000000	0.33333333	0.00000000	0.11111111
## 6.59	0.00000000	0.50000000	0.00000000	0.50000000
## 6.6	0.00000000	0.00000000	0.00000000	0.50000000
## 6.61	0.00000000	1.00000000	0.00000000	0.00000000
## 6.62	0.00000000	0.20000000	0.00000000	0.00000000

## 6.63	0.00000000	0.00000000	0.00000000	0.00000000
## 6.64	0.00000000	0.00000000	0.00000000	0.00000000
## 6.65	0.00000000	0.00000000	0.00000000	0.00000000
## 6.66	0.00000000	0.00000000	0.00000000	0.00000000
## 6.68	0.00000000	0.50000000	0.00000000	0.00000000
## 6.69	0.00000000	0.11111111	0.00000000	0.00000000
## 6.7	0.00000000	0.00000000	0.00000000	0.00000000
## 6.72	0.00000000	0.00000000	0.00000000	0.00000000
## 6.73	0.00000000	0.33333333	0.00000000	0.00000000
## 6.75	0.00000000	0.08695652	0.00000000	0.04347826
## 6.77	0.00000000	0.19047619	0.00000000	0.09523810
## 6.78	0.00000000	0.42857143	0.00000000	0.00000000
## 6.79	0.00000000	0.00000000	0.00000000	0.00000000
## 6.8	0.00000000	0.00000000	0.00000000	0.33333333
## 6.81	0.00000000	0.20000000	0.00000000	0.00000000
## 6.83	0.00000000	0.16666667	0.00000000	0.00000000
## 6.84	0.00000000	0.00000000	0.00000000	0.00000000
## 6.85	0.00000000	0.50000000	0.00000000	0.00000000
## 6.86	0.00000000	1.00000000	0.00000000	0.00000000
## 6.88	0.00000000	0.00000000	0.00000000	0.00000000
## 6.89	0.00000000	0.00000000	0.00000000	0.00000000
## 6.9	0.00000000	0.10000000	0.00000000	0.03333333
## 6.92	0.00000000	0.00000000	0.00000000	0.00000000
## 6.93	0.00000000	0.00000000	0.00000000	0.00000000
## 6.94	0.00000000	0.00000000	0.00000000	0.00000000
## 6.95	0.00000000	0.07500000	0.00000000	0.05000000
## 6.96	0.00000000	0.00000000	0.00000000	0.00000000
## 6.97	0.00000000	0.14285714	0.00000000	0.00000000
## 6.99	0.00000000	0.00000000	0.00000000	0.00000000
## 7	0.00000000	0.14285714	0.00000000	0.00000000
## 7.02	0.00000000	1.00000000	0.00000000	0.00000000
## 7.04	0.00000000	0.00000000	0.00000000	0.00000000
## 7.05	0.00000000	0.00000000	0.00000000	1.00000000
## 7.06	0.00000000	0.50000000	0.00000000	0.00000000
## 7.08	0.00000000	0.00000000	0.00000000	0.00000000
## 7.09	0.00000000	0.00000000	0.00000000	1.00000000
## 7.1	0.00000000	0.00000000	0.00000000	0.00000000
## 7.13	0.00000000	0.00000000	0.00000000	0.00000000
## 7.15	0.00000000	0.00000000	0.00000000	0.00000000
## 7.18	0.00000000	0.00000000	0.00000000	0.00000000
## 7.19	0.00000000	0.42857143	0.00000000	0.00000000
## 7.2	0.00000000	0.08333333	0.00000000	0.00000000
## 7.21	0.00000000	0.00000000	0.00000000	0.00000000
## 7.22	0.00000000	0.33333333	0.00000000	0.00000000
## 7.23	0.00000000	0.00000000	0.00000000	0.00000000
## 7.24	0.00000000	0.50000000	0.00000000	0.50000000
## 7.25	0.00000000	0.00000000	0.00000000	0.00000000
## 7.26	0.00000000	0.14285714	0.00000000	0.28571429
## 7.27	0.00000000	0.23076923	0.00000000	0.00000000
## 7.28	0.00000000	0.50000000	0.00000000	0.00000000
## 7.29	0.00000000	0.33333333	0.00000000	0.00000000
## 7.3	0.00000000	0.11111111	0.00000000	0.00000000
## 7.31	0.00000000	0.20000000	0.00000000	0.00000000
## 7.32	0.00000000	0.00000000	0.00000000	0.12500000

## 7.34	0.00000000	0.00000000	0.00000000	0.00000000
## 7.35	0.00000000	0.10000000	0.00000000	0.00000000
## 7.36	0.00000000	0.00000000	0.00000000	0.07692308
## 7.37	0.00000000	1.00000000	0.00000000	0.00000000
## 7.39	0.00000000	0.00000000	0.00000000	0.00000000
## 7.4	0.00000000	0.16666667	0.00000000	0.00000000
## 7.41	0.00000000	0.00000000	0.00000000	1.00000000
## 7.42	0.00000000	0.00000000	0.00000000	0.00000000
## 7.44	0.00000000	0.36363636	0.00000000	0.00000000
## 7.45	0.00000000	0.15789474	0.00000000	0.00000000
## 7.47	0.00000000	0.00000000	0.00000000	0.00000000
## 7.48	0.00000000	0.00000000	0.00000000	0.00000000
## 7.49	0.00000000	0.42857143	0.00000000	0.00000000
## 7.5	0.00000000	0.13888889	0.00000000	0.11111111
## 7.51	0.00000000	0.00000000	0.00000000	0.00000000
## 7.52	0.00000000	0.33333333	0.00000000	0.00000000
## 7.53	0.00000000	0.00000000	0.00000000	0.00000000
## 7.55	0.00000000	0.00000000	0.00000000	0.00000000
## 7.58	0.00000000	0.00000000	0.00000000	0.00000000
## 7.59	0.00000000	0.50000000	0.00000000	0.00000000
## 7.6	0.00000000	0.05882353	0.00000000	0.17647059
## 7.63	0.00000000	0.11111111	0.00000000	0.22222222
## 7.64	0.00000000	0.00000000	0.00000000	0.50000000
## 7.65	0.00000000	0.00000000	0.00000000	0.00000000
## 7.66	0.00000000	0.16666667	0.00000000	0.00000000
## 7.67	0.00000000	0.00000000	0.00000000	0.00000000
## 7.69	0.00000000	0.00000000	0.00000000	0.14285714
## 7.7	0.00000000	0.25000000	0.00000000	0.10714286
## 7.71	0.00000000	0.00000000	0.00000000	0.00000000
## 7.72	0.00000000	0.00000000	0.00000000	1.00000000
## 7.73	0.00000000	0.00000000	0.00000000	1.00000000
## 7.74	0.00000000	0.00000000	0.00000000	0.00000000
## 7.75	0.00000000	0.50000000	0.00000000	0.03333333
## 7.77	0.00000000	0.33333333	0.00000000	0.00000000
## 7.78	0.00000000	0.00000000	0.00000000	0.00000000
## 7.79	0.00000000	0.00000000	0.00000000	0.10000000
## 7.8	0.00000000	0.00000000	0.00000000	0.16666667
## 7.81	0.00000000	0.00000000	0.00000000	0.00000000
## 7.83	0.00000000	0.00000000	0.00000000	0.00000000
## 7.84	0.00000000	0.00000000	0.00000000	0.00000000
## 7.85	0.00000000	0.14285714	0.00000000	0.14285714
## 7.87	0.00000000	0.00000000	0.00000000	0.00000000
## 7.88	0.00000000	0.00000000	0.00000000	0.00000000
## 7.89	0.00000000	0.26666667	0.00000000	0.06666667
## 7.9	0.00000000	0.07142857	0.00000000	0.08928571
## 7.93	0.00000000	0.00000000	0.00000000	0.00000000
## 7.94	0.00000000	0.00000000	0.00000000	0.33333333
## 7.95	0.00000000	0.15789474	0.00000000	0.07894737
## 7.96	0.00000000	0.00000000	0.00000000	0.00000000
## 7.99	0.00000000	0.11764706	0.00000000	0.00000000
## 8	0.00000000	0.00000000	0.00000000	0.33333333
## 8.04	0.00000000	0.00000000	0.00000000	0.00000000
## 8.07	0.00000000	0.00000000	0.00000000	1.00000000
## 8.09	0.00000000	0.00000000	0.00000000	0.00000000

## 8.1	0.00000000	0.25000000	0.00000000	0.00000000
## 8.11	0.00000000	0.33333333	0.00000000	0.00000000
## 8.14	0.00000000	0.00000000	0.00000000	0.00000000
## 8.15	0.00000000	0.00000000	0.00000000	0.00000000
## 8.16	0.00000000	0.00000000	0.00000000	1.00000000
## 8.17	0.00000000	0.00000000	0.00000000	0.00000000
## 8.18	0.00000000	0.00000000	0.00000000	0.00000000
## 8.19	0.00000000	0.12500000	0.00000000	0.12500000
## 8.2	0.00000000	0.12500000	0.00000000	0.12500000
## 8.21	0.00000000	0.33333333	0.00000000	0.00000000
## 8.22	0.00000000	0.00000000	0.00000000	0.00000000
## 8.24	0.00000000	0.20000000	0.00000000	0.10000000
## 8.25	0.00000000	0.25000000	0.00000000	0.00000000
## 8.27	0.00000000	0.00000000	0.00000000	0.00000000
## 8.28	0.00000000	0.10000000	0.00000000	0.00000000
## 8.29	0.00000000	0.13636364	0.00000000	0.00000000
## 8.31	0.00000000	0.00000000	0.00000000	0.00000000
## 8.32	0.00000000	0.35714286	0.00000000	0.00000000
## 8.33	0.00000000	0.16666667	0.00000000	0.00000000
## 8.35	0.00000000	0.00000000	0.00000000	0.00000000
## 8.36	0.00000000	0.00000000	0.00000000	0.00000000
## 8.37	0.00000000	0.00000000	0.00000000	0.00000000
## 8.38	0.00000000	0.00000000	0.00000000	0.00000000
## 8.39	0.00000000	0.00000000	0.00000000	0.00000000
## 8.4	0.00000000	0.00000000	0.00000000	0.23809524
## 8.41	0.00000000	0.00000000	0.00000000	0.00000000
## 8.43	0.00000000	0.00000000	0.00000000	0.00000000
## 8.44	0.00000000	0.00000000	0.00000000	0.00000000
## 8.45	0.00000000	0.13636364	0.00000000	0.00000000
## 8.47	0.00000000	0.00000000	0.00000000	0.00000000
## 8.48	0.00000000	0.40000000	0.00000000	0.00000000
## 8.49	0.00000000	0.08000000	0.00000000	0.12000000
## 8.5	0.00000000	0.15217391	0.00000000	0.17391304
## 8.52	0.00000000	0.00000000	0.00000000	0.00000000
## 8.53	0.00000000	0.25000000	0.00000000	0.00000000
## 8.54	0.00000000	0.00000000	0.00000000	0.00000000
## 8.55	0.00000000	0.33333333	0.00000000	0.00000000
## 8.56	0.00000000	0.00000000	0.00000000	0.33333333
## 8.57	0.00000000	0.33333333	0.00000000	0.00000000
## 8.58	0.00000000	0.33333333	0.00000000	0.00000000
## 8.59	0.00000000	0.20000000	0.00000000	0.00000000
## 8.6	0.00000000	0.12500000	0.00000000	0.00000000
## 8.61	0.00000000	0.00000000	0.00000000	0.50000000
## 8.62	0.00000000	0.00000000	0.00000000	0.00000000
## 8.63	0.00000000	0.00000000	0.00000000	0.00000000
## 8.64	0.00000000	0.00000000	0.00000000	0.50000000
## 8.65	0.00000000	0.25000000	0.00000000	0.00000000
## 8.66	0.00000000	0.00000000	0.00000000	0.00000000
## 8.67	0.00000000	0.28571429	0.00000000	0.00000000
## 8.68	0.00000000	0.28000000	0.00000000	0.04000000
## 8.69	0.00000000	0.42857143	0.00000000	0.07142857
## 8.7	0.00000000	0.33333333	0.00000000	0.08333333
## 8.71	0.00000000	1.00000000	0.00000000	0.00000000
## 8.72	0.00000000	0.26666667	0.00000000	0.02222222

## 8.73	0.00000000	0.00000000	0.00000000	0.00000000
## 8.74	0.00000000	0.00000000	0.00000000	1.00000000
## 8.75	0.00000000	0.07692308	0.00000000	0.00000000
## 8.76	0.00000000	1.00000000	0.00000000	0.00000000
## 8.77	0.00000000	0.00000000	0.00000000	0.00000000
## 8.78	0.00000000	0.53333333	0.00000000	0.00000000
## 8.79	0.00000000	0.00000000	0.00000000	0.00000000
## 8.8	0.00000000	0.00000000	0.00000000	0.11111111
## 8.83	0.00000000	0.25000000	0.00000000	0.00000000
## 8.84	0.00000000	0.00000000	0.00000000	0.50000000
## 8.85	0.00000000	0.33333333	0.00000000	0.00000000
## 8.87	0.00000000	0.00000000	0.00000000	0.00000000
## 8.89	0.00000000	0.00000000	0.00000000	0.08333333
## 8.9	0.00000000	0.11764706	0.00000000	0.16176471
## 8.92	0.00000000	0.00000000	0.00000000	0.16666667
## 8.93	0.00000000	0.00000000	0.00000000	0.00000000
## 8.94	0.00000000	0.00000000	0.00000000	0.25000000
## 8.95	0.00000000	0.07500000	0.02500000	0.12500000
## 8.96	0.00000000	0.00000000	0.00000000	0.50000000
## 8.97	0.00000000	0.00000000	0.00000000	0.00000000
## 8.98	0.00000000	0.33333333	0.00000000	0.00000000
## 8.99	0.00000000	0.09523810	0.00000000	0.09523810
## 9	0.00000000	0.42857143	0.00000000	0.28571429
## 9.05	0.00000000	0.00000000	0.00000000	0.00000000
## 9.08	0.00000000	0.00000000	0.00000000	0.00000000
## 9.09	0.00000000	0.00000000	0.00000000	1.00000000
## 9.1	0.00000000	0.25000000	0.00000000	0.00000000
## 9.11	0.00000000	0.00000000	0.00000000	0.00000000
## 9.12	0.00000000	0.14285714	0.00000000	0.14285714
## 9.13	0.00000000	1.00000000	0.00000000	0.00000000
## 9.15	0.00000000	0.00000000	0.00000000	0.00000000
## 9.16	0.00000000	0.00000000	0.00000000	0.00000000
## 9.17	0.00000000	0.00000000	0.00000000	0.25000000
## 9.19	0.00000000	0.00000000	0.00000000	0.00000000
## 9.2	0.00000000	0.33333333	0.00000000	0.00000000
## 9.21	0.00000000	0.14285714	0.00000000	0.14285714
## 9.22	0.00000000	0.00000000	0.00000000	0.00000000
## 9.23	0.00000000	0.25000000	0.00000000	0.00000000
## 9.24	0.00000000	0.00000000	0.00000000	0.33333333
## 9.25	0.00000000	0.30769231	0.00000000	0.07692308
## 9.26	0.00000000	0.22580645	0.00000000	0.29032258
## 9.28	0.00000000	0.00000000	0.00000000	0.00000000
## 9.29	0.00000000	0.00000000	0.00000000	0.00000000
## 9.3	0.00000000	0.20000000	0.00000000	0.00000000
## 9.31	0.00000000	1.00000000	0.00000000	0.00000000
## 9.34	0.00000000	0.00000000	0.00000000	0.00000000
## 9.35	0.00000000	0.66666667	0.00000000	0.00000000
## 9.36	0.00000000	0.33333333	0.00000000	0.16666667
## 9.37	0.00000000	0.30000000	0.00000000	0.00000000
## 9.39	0.00000000	0.00000000	0.00000000	0.09090909
## 9.4	0.00000000	0.15384615	0.00000000	0.00000000
## 9.42	0.00000000	0.00000000	0.00000000	0.00000000
## 9.44	0.00000000	0.00000000	0.00000000	0.00000000
## 9.45	0.00000000	0.10000000	0.00000000	0.10000000

## 9.46	0.00000000	0.00000000	0.00000000	0.00000000
## 9.48	0.00000000	0.00000000	0.00000000	1.00000000
## 9.49	0.00000000	0.00000000	0.00000000	0.00000000
## 9.5	0.00000000	0.12643678	0.00000000	0.13793103
## 9.51	0.00000000	0.50000000	0.00000000	0.00000000
## 9.52	0.00000000	0.00000000	0.00000000	0.00000000
## 9.53	0.00000000	0.00000000	0.00000000	0.00000000
## 9.54	0.00000000	0.50000000	0.00000000	0.50000000
## 9.55	0.00000000	0.16666667	0.00000000	0.00000000
## 9.56	0.00000000	0.40000000	0.00000000	0.00000000
## 9.57	0.00000000	1.00000000	0.00000000	0.00000000
## 9.59	0.00000000	0.00000000	0.00000000	0.00000000
## 9.6	0.00000000	0.22222222	0.00000000	0.22222222
## 9.61	0.00000000	0.00000000	0.00000000	0.00000000
## 9.62	0.00000000	0.00000000	0.00000000	0.00000000
## 9.64	0.00000000	0.00000000	0.00000000	0.50000000
## 9.65	0.00000000	0.17073171	0.00000000	0.07317073
## 9.66	0.00000000	0.00000000	0.00000000	0.00000000
## 9.68	0.00000000	0.33333333	0.00000000	0.00000000
## 9.69	0.00000000	0.20000000	0.00000000	0.20000000
## 9.7	0.00000000	0.22222222	0.00000000	0.14814815
## 9.72	0.00000000	0.00000000	0.00000000	0.50000000
## 9.73	0.00000000	0.33333333	0.00000000	0.33333333
## 9.74	0.00000000	0.25000000	0.00000000	0.00000000
## 9.75	0.00000000	0.00000000	0.00000000	0.00000000
## 9.76	0.00000000	0.00000000	0.00000000	0.50000000
## 9.78	0.00000000	0.25000000	0.00000000	0.00000000
## 9.79	0.00000000	0.33333333	0.00000000	0.00000000
## 9.8	0.00000000	0.12500000	0.00000000	0.37500000
## 9.82	0.00000000	0.00000000	0.00000000	0.00000000
## 9.83	0.00000000	0.50000000	0.00000000	0.25000000
## 9.85	0.00000000	0.20000000	0.00000000	0.20000000
## 9.88	0.00000000	0.00000000	0.00000000	0.00000000
## 9.89	0.00000000	0.00000000	0.00000000	0.00000000
## 9.9	0.00000000	0.11956522	0.00000000	0.14130435
## 9.91	0.00000000	0.00000000	0.00000000	0.33333333
## 9.94	0.00000000	0.00000000	0.00000000	1.00000000
## 9.95	0.00000000	0.13725490	0.00000000	0.11764706
## 9.98	0.00000000	0.00000000	0.00000000	0.00000000
## 9.99	0.00000000	0.10000000	0.00000000	0.05000000
## 10	0.00000000	0.07142857	0.00000000	0.50000000
## 10.01	0.00000000	0.00000000	0.00000000	1.00000000
## 10.04	0.00000000	0.00000000	0.00000000	0.00000000
## 10.08	0.00000000	0.00000000	0.00000000	0.00000000
## 10.09	0.00000000	0.00000000	0.00000000	0.50000000
## 10.1	0.00000000	0.00000000	0.00000000	0.00000000
## 10.11	0.00000000	1.00000000	0.00000000	0.00000000
## 10.15	0.00000000	0.00000000	0.00000000	0.00000000
## 10.18	0.00000000	0.00000000	0.00000000	0.25000000
## 10.19	0.00000000	0.00000000	0.00000000	0.00000000
## 10.21	0.00000000	0.20000000	0.00000000	0.20000000
## 10.23	0.00000000	0.11111111	0.00000000	0.11111111
## 10.24	0.00000000	0.00000000	0.00000000	0.20000000
## 10.25	0.00000000	0.66666667	0.00000000	0.00000000

## 10.26	0.00000000	0.00000000	0.00000000	0.00000000
## 10.27	0.00000000	0.00000000	0.00000000	0.00000000
## 10.28	0.00000000	0.00000000	0.00000000	0.33333333
## 10.29	0.00000000	0.00000000	0.00000000	0.33333333
## 10.3	0.00000000	0.00000000	0.00000000	0.40000000
## 10.31	0.00000000	0.50000000	0.00000000	0.00000000
## 10.32	0.00000000	0.00000000	0.00000000	0.00000000
## 10.35	0.00000000	0.00000000	0.00000000	0.09090909
## 10.38	0.00000000	0.00000000	0.00000000	0.50000000
## 10.39	0.00000000	0.00000000	0.00000000	0.00000000
## 10.4	0.00000000	0.12500000	0.00000000	0.37500000
## 10.41	0.00000000	0.00000000	0.00000000	0.00000000
## 10.42	0.00000000	0.23076923	0.00000000	0.00000000
## 10.43	0.00000000	0.00000000	0.00000000	0.00000000
## 10.45	0.00000000	0.11111111	0.00000000	0.00000000
## 10.46	0.00000000	0.00000000	0.00000000	0.66666667
## 10.47	0.00000000	0.25000000	0.00000000	0.00000000
## 10.49	0.00000000	0.16666667	0.00000000	0.00000000
## 10.5	0.00000000	0.02127660	0.00000000	0.08510638
## 10.51	0.00000000	0.00000000	0.00000000	0.00000000
## 10.52	0.00000000	0.00000000	0.00000000	0.00000000
## 10.53	0.00000000	0.00000000	0.00000000	0.50000000
## 10.54	0.00000000	0.00000000	0.00000000	0.00000000
## 10.56	0.00000000	0.33333333	0.00000000	0.00000000
## 10.57	0.00000000	0.00000000	0.00000000	0.00000000
## 10.59	0.00000000	0.00000000	0.00000000	0.00000000
## 10.6	0.00000000	0.07692308	0.00000000	0.15384615
## 10.62	0.00000000	0.16666667	0.00000000	0.00000000
## 10.63	0.00000000	0.18750000	0.00000000	0.31250000
## 10.65	0.00000000	0.50000000	0.00000000	0.00000000
## 10.66	0.00000000	0.10000000	0.00000000	0.00000000
## 10.67	0.00000000	0.10000000	0.00000000	0.50000000
## 10.68	0.00000000	0.40000000	0.00000000	0.00000000
## 10.69	0.00000000	0.11111111	0.00000000	0.33333333
## 10.7	0.00000000	0.00000000	0.00000000	0.33333333
## 10.71	0.00000000	0.20000000	0.00000000	0.20000000
## 10.72	0.00000000	0.00000000	0.00000000	0.50000000
## 10.74	0.00000000	0.50000000	0.00000000	0.50000000
## 10.75	0.00000000	0.50000000	0.00000000	0.00000000
## 10.79	0.00000000	0.00000000	0.00000000	0.00000000
## 10.8	0.00000000	0.22222222	0.00000000	0.11111111
## 10.82	0.00000000	0.00000000	0.00000000	1.00000000
## 10.84	0.00000000	0.00000000	0.00000000	0.50000000
## 10.85	0.00000000	0.20000000	0.00000000	0.00000000
## 10.86	0.00000000	0.50000000	0.00000000	0.00000000
## 10.88	0.00000000	0.00000000	0.00000000	1.00000000
## 10.89	0.00000000	0.00000000	0.00000000	0.00000000
## 10.9	0.00000000	0.14754098	0.00000000	0.11475410
## 10.91	0.00000000	0.00000000	0.00000000	0.00000000
## 10.92	0.00000000	0.33333333	0.00000000	0.00000000
## 10.93	0.00000000	0.09090909	0.00000000	0.18181818
## 10.94	0.00000000	0.00000000	0.00000000	0.00000000
## 10.95	0.00000000	0.11538462	0.00000000	0.00000000
## 10.96	0.00000000	0.00000000	0.00000000	0.00000000

## 10.97	0.00000000	1.00000000	0.00000000	0.00000000
## 10.98	0.00000000	0.00000000	0.00000000	0.00000000
## 10.99	0.00000000	0.05263158	0.00000000	0.05263158
## 11	0.00000000	0.00000000	0.00000000	0.30000000
## 11.01	0.00000000	0.00000000	0.00000000	0.00000000
## 11.02	0.00000000	0.09090909	0.00000000	0.18181818
## 11.04	0.00000000	0.00000000	0.00000000	0.00000000
## 11.05	0.00000000	0.20000000	0.00000000	0.00000000
## 11.06	0.00000000	0.00000000	0.00000000	0.00000000
## 11.07	0.00000000	0.00000000	0.00000000	0.00000000
## 11.08	0.00000000	0.00000000	0.00000000	0.00000000
## 11.09	0.00000000	0.00000000	0.00000000	0.00000000
## 11.11	0.00000000	0.00000000	0.00000000	1.00000000
## 11.13	0.00000000	0.00000000	0.00000000	0.00000000
## 11.15	0.00000000	0.00000000	0.00000000	0.00000000
## 11.16	0.00000000	0.50000000	0.00000000	0.00000000
## 11.17	0.00000000	0.00000000	0.00000000	0.50000000
## 11.18	0.00000000	0.00000000	0.00000000	1.00000000
## 11.19	0.00000000	0.10000000	0.00000000	0.40000000
## 11.2	0.00000000	0.00000000	0.00000000	0.11111111
## 11.21	0.00000000	0.11764706	0.00000000	0.17647059
## 11.23	0.00000000	0.00000000	0.00000000	0.50000000
## 11.25	0.00000000	0.14285714	0.00000000	0.14285714
## 11.26	0.00000000	0.00000000	0.00000000	1.00000000
## 11.27	0.00000000	0.00000000	0.00000000	0.00000000
## 11.3	0.00000000	0.50000000	0.00000000	0.00000000
## 11.31	0.00000000	0.20000000	0.00000000	0.60000000
## 11.35	0.00000000	0.00000000	0.00000000	0.00000000
## 11.36	0.00000000	0.50000000	0.00000000	0.00000000
## 11.37	0.00000000	0.00000000	0.00000000	0.50000000
## 11.4	0.00000000	0.08333333	0.00000000	0.33333333
## 11.43	0.00000000	0.00000000	0.00000000	0.00000000
## 11.44	0.00000000	0.00000000	0.00000000	0.00000000
## 11.45	0.00000000	0.12500000	0.00000000	0.00000000
## 11.46	0.00000000	0.00000000	0.00000000	0.00000000
## 11.47	0.00000000	0.20000000	0.00000000	0.20000000
## 11.48	0.00000000	0.00000000	0.00000000	0.00000000
## 11.49	0.00000000	0.14285714	0.00000000	0.14285714
## 11.5	0.00000000	0.12962963	0.00000000	0.18518519
## 11.51	0.00000000	0.00000000	0.00000000	0.50000000
## 11.54	0.00000000	0.00000000	0.00000000	0.00000000
## 11.55	0.00000000	0.00000000	0.00000000	0.00000000
## 11.56	0.00000000	0.00000000	0.00000000	0.00000000
## 11.59	0.00000000	0.00000000	0.00000000	0.00000000
## 11.6	0.00000000	0.18181818	0.00000000	0.06060606
## 11.61	0.00000000	0.00000000	0.00000000	0.00000000
## 11.62	0.00000000	0.00000000	0.00000000	1.00000000
## 11.63	0.00000000	0.00000000	0.00000000	0.00000000
## 11.64	0.00000000	0.00000000	0.00000000	0.00000000
## 11.65	0.00000000	0.18750000	0.00000000	0.25000000
## 11.67	0.00000000	0.00000000	0.00000000	0.00000000
## 11.69	0.00000000	0.40000000	0.00000000	0.20000000
## 11.7	0.00000000	0.09090909	0.00000000	0.00000000
## 11.74	0.00000000	1.00000000	0.00000000	0.00000000

## 11.75	0.00000000	0.00000000	0.00000000	0.00000000
## 11.76	0.00000000	0.00000000	0.00000000	0.00000000
## 11.8	0.00000000	0.25000000	0.00000000	0.00000000
## 11.82	0.00000000	0.00000000	0.00000000	0.00000000
## 11.85	0.00000000	0.00000000	0.00000000	0.00000000
## 11.86	0.00000000	0.00000000	0.00000000	0.00000000
## 11.89	0.00000000	0.16666667	0.00000000	0.16666667
## 11.9	0.00000000	0.16071429	0.00000000	0.08928571
## 11.92	0.00000000	0.14285714	0.00000000	0.00000000
## 11.94	0.00000000	0.00000000	0.00000000	0.50000000
## 11.95	0.00000000	0.05405405	0.00000000	0.13513514
## 11.98	0.00000000	0.00000000	0.00000000	0.00000000
## 11.99	0.00000000	0.20000000	0.00000000	0.00000000
## 12	0.00000000	0.11111111	0.00000000	0.33333333
## 12.03	0.00000000	0.16666667	0.00000000	0.00000000
## 12.05	0.00000000	0.00000000	0.00000000	0.00000000
## 12.06	0.00000000	0.00000000	0.00000000	0.00000000
## 12.08	0.00000000	0.00000000	0.00000000	0.00000000
## 12.09	0.00000000	0.00000000	0.00000000	0.00000000
## 12.1	0.00000000	0.00000000	0.00000000	0.00000000
## 12.11	0.00000000	0.00000000	0.00000000	0.00000000
## 12.12	0.00000000	0.00000000	0.00000000	0.00000000
## 12.13	0.00000000	0.00000000	0.00000000	0.00000000
## 12.14	0.00000000	0.07692308	0.00000000	0.07692308
## 12.18	0.00000000	0.16666667	0.00000000	0.16666667
## 12.19	0.00000000	0.06250000	0.00000000	0.37500000
## 12.2	0.00000000	0.12500000	0.00000000	0.12500000
## 12.21	0.00000000	0.00000000	0.00000000	0.00000000
## 12.23	0.00000000	0.00000000	0.00000000	0.00000000
## 12.25	0.00000000	0.00000000	0.00000000	0.08333333
## 12.28	0.00000000	0.00000000	0.00000000	0.00000000
## 12.3	0.00000000	0.16666667	0.00000000	0.00000000
## 12.31	0.00000000	0.00000000	0.00000000	0.00000000
## 12.32	0.00000000	0.00000000	0.00000000	0.00000000
## 12.33	0.00000000	0.00000000	0.00000000	0.00000000
## 12.37	0.00000000	0.00000000	0.00000000	0.00000000
## 12.38	0.00000000	0.00000000	0.00000000	0.00000000
## 12.39	0.00000000	0.00000000	0.00000000	1.00000000
## 12.4	0.00000000	0.00000000	0.00000000	0.44444444
## 12.41	0.00000000	0.00000000	0.00000000	0.00000000
## 12.42	0.00000000	0.00000000	0.00000000	0.00000000
## 12.43	0.00000000	1.00000000	0.00000000	0.00000000
## 12.45	0.00000000	0.00000000	0.00000000	0.12500000
## 12.46	0.00000000	0.00000000	0.00000000	0.00000000
## 12.48	0.00000000	0.15384615	0.00000000	0.07692308
## 12.49	0.00000000	0.14814815	0.00000000	0.25925926
## 12.5	0.00000000	0.04878049	0.00000000	0.24390244
## 12.51	0.00000000	0.33333333	0.00000000	0.00000000
## 12.52	0.00000000	1.00000000	0.00000000	0.00000000
## 12.53	0.00000000	0.00000000	0.00000000	0.00000000
## 12.55	0.00000000	0.25000000	0.00000000	0.25000000
## 12.56	0.00000000	0.00000000	0.00000000	0.00000000
## 12.57	0.00000000	0.11764706	0.00000000	0.23529412
## 12.58	0.00000000	0.00000000	0.00000000	0.33333333

## 12.59	0.00000000	0.00000000	0.00000000	0.00000000
## 12.6	0.00000000	0.11111111	0.00000000	0.11111111
## 12.62	0.00000000	0.13333333	0.00000000	0.06666667
## 12.63	0.00000000	0.00000000	0.00000000	0.00000000
## 12.65	0.00000000	0.00000000	0.00000000	0.00000000
## 12.66	0.00000000	0.00000000	0.00000000	0.00000000
## 12.67	0.00000000	0.00000000	0.00000000	0.50000000
## 12.69	0.00000000	0.00000000	0.00000000	0.50000000
## 12.7	0.00000000	0.00000000	0.00000000	0.00000000
## 12.75	0.00000000	0.50000000	0.00000000	0.00000000
## 12.77	0.00000000	0.00000000	0.00000000	1.00000000
## 12.78	0.00000000	0.00000000	0.00000000	0.00000000
## 12.79	0.00000000	0.00000000	0.00000000	0.00000000
## 12.8	0.00000000	0.00000000	0.00000000	0.33333333
## 12.81	0.00000000	0.16666667	0.00000000	0.00000000
## 12.83	0.00000000	0.00000000	0.00000000	0.00000000
## 12.85	0.00000000	0.25000000	0.00000000	0.25000000
## 12.86	0.00000000	0.00000000	0.00000000	0.00000000
## 12.87	0.00000000	0.00000000	0.00000000	0.10000000
## 12.89	0.00000000	0.00000000	0.00000000	0.25000000
## 12.9	0.00000000	0.21153846	0.00000000	0.09615385
## 12.92	0.00000000	1.00000000	0.00000000	0.00000000
## 12.94	0.00000000	0.00000000	0.00000000	0.00000000
## 12.95	0.00000000	0.16000000	0.00000000	0.12000000
## 12.96	0.00000000	0.00000000	0.00000000	0.00000000
## 12.98	0.00000000	0.00000000	0.00000000	0.00000000
## 12.99	0.00000000	0.09523810	0.00000000	0.00000000
## 13	0.00000000	0.66666667	0.00000000	0.33333333
## 13.01	0.00000000	0.00000000	0.00000000	0.00000000
## 13.02	0.00000000	0.00000000	0.00000000	0.00000000
## 13.04	0.00000000	1.00000000	0.00000000	0.00000000
## 13.06	0.00000000	0.00000000	0.00000000	1.00000000
## 13.09	0.00000000	0.00000000	0.00000000	0.12500000
## 13.1	0.00000000	0.00000000	0.00000000	0.00000000
## 13.14	0.00000000	0.00000000	0.00000000	0.00000000
## 13.15	0.00000000	0.05263158	0.00000000	0.21052632
## 13.16	0.00000000	0.00000000	0.00000000	0.00000000
## 13.19	0.00000000	0.00000000	0.00000000	0.00000000
## 13.2	0.00000000	0.00000000	0.00000000	0.00000000
## 13.21	0.00000000	0.00000000	0.00000000	0.00000000
## 13.24	0.00000000	0.00000000	0.00000000	0.00000000
## 13.25	0.00000000	0.08333333	0.00000000	0.00000000
## 13.26	0.00000000	0.11111111	0.00000000	0.00000000
## 13.27	0.00000000	0.00000000	0.00000000	0.00000000
## 13.29	0.00000000	1.00000000	0.00000000	0.00000000
## 13.3	0.00000000	0.40000000	0.00000000	0.00000000
## 13.33	0.00000000	0.00000000	0.00000000	0.00000000
## 13.34	0.00000000	0.00000000	0.00000000	0.00000000
## 13.35	0.00000000	0.00000000	0.00000000	1.00000000
## 13.36	0.00000000	0.50000000	0.00000000	0.00000000
## 13.37	0.00000000	0.20000000	0.00000000	0.00000000
## 13.38	0.00000000	0.00000000	0.00000000	0.00000000
## 13.39	0.00000000	0.00000000	0.00000000	0.00000000
## 13.4	0.00000000	0.00000000	0.00000000	0.28571429

## 13.41	0.00000000	0.00000000	0.00000000	1.00000000
## 13.42	0.00000000	0.00000000	0.00000000	0.00000000
## 13.43	0.00000000	0.00000000	0.00000000	0.00000000
## 13.44	0.00000000	0.00000000	0.00000000	0.00000000
## 13.45	0.00000000	0.14285714	0.00000000	0.14285714
## 13.47	0.00000000	0.00000000	0.00000000	0.00000000
## 13.48	0.00000000	0.00000000	0.00000000	0.28571429
## 13.49	0.00000000	0.00000000	0.00000000	0.00000000
## 13.5	0.00000000	0.17073171	0.00000000	0.17073171
## 13.52	0.00000000	0.00000000	0.00000000	1.00000000
## 13.53	0.00000000	0.00000000	0.00000000	0.00000000
## 13.54	0.00000000	0.00000000	0.00000000	0.00000000
## 13.55	0.00000000	0.30434783	0.00000000	0.04347826
## 13.57	0.00000000	0.30000000	0.00000000	0.00000000
## 13.58	0.00000000	0.50000000	0.00000000	0.00000000
## 13.6	0.00000000	0.23809524	0.00000000	0.00000000
## 13.61	0.00000000	0.00000000	0.00000000	0.00000000
## 13.64	0.00000000	0.00000000	0.00000000	0.50000000
## 13.65	0.00000000	0.00000000	0.00000000	0.00000000
## 13.68	0.00000000	0.00000000	0.00000000	0.20000000
## 13.69	0.00000000	0.10000000	0.00000000	0.40000000
## 13.7	0.00000000	0.00000000	0.00000000	0.00000000
## 13.71	0.00000000	0.20000000	0.00000000	0.00000000
## 13.75	0.00000000	0.00000000	0.00000000	0.33333333
## 13.76	0.00000000	0.50000000	0.00000000	0.00000000
## 13.78	0.00000000	0.50000000	0.00000000	0.00000000
## 13.79	0.00000000	0.16666667	0.00000000	0.00000000
## 13.8	0.00000000	0.20000000	0.00000000	0.20000000
## 13.82	0.00000000	0.00000000	0.00000000	0.00000000
## 13.83	0.00000000	0.00000000	0.00000000	1.00000000
## 13.84	0.00000000	0.00000000	0.00000000	1.00000000
## 13.85	0.00000000	0.00000000	0.00000000	0.00000000
## 13.89	0.00000000	0.00000000	0.00000000	0.00000000
## 13.9	0.00000000	0.18604651	0.00000000	0.11627907
## 13.91	0.00000000	1.00000000	0.00000000	0.00000000
## 13.93	0.00000000	0.25000000	0.00000000	0.00000000
## 13.95	0.00000000	0.02941176	0.00000000	0.08823529
## 13.97	0.00000000	0.00000000	0.00000000	0.00000000
## 13.98	0.00000000	0.50000000	0.00000000	0.00000000
## 13.99	0.00000000	0.00000000	0.00000000	0.05263158
## 14	0.00000000	0.25000000	0.00000000	0.50000000
## 14.03	0.00000000	1.00000000	0.00000000	0.00000000
## 14.04	0.00000000	0.00000000	0.00000000	0.00000000
## 14.06	0.00000000	0.25000000	0.00000000	0.00000000
## 14.08	0.00000000	0.00000000	0.00000000	0.00000000
## 14.09	0.00000000	0.40000000	0.00000000	0.00000000
## 14.1	0.00000000	1.00000000	0.00000000	0.00000000
## 14.11	0.00000000	0.00000000	0.00000000	1.00000000
## 14.13	0.00000000	0.11764706	0.00000000	0.05882353
## 14.14	0.00000000	0.50000000	0.00000000	0.50000000
## 14.16	0.00000000	0.00000000	0.00000000	0.00000000
## 14.18	0.00000000	0.00000000	0.00000000	0.00000000
## 14.19	0.00000000	0.25000000	0.00000000	0.00000000
## 14.2	0.00000000	0.00000000	0.00000000	0.00000000

## 14.21	0.00000000	0.33333333	0.00000000	0.00000000
## 14.23	0.00000000	1.00000000	0.00000000	0.00000000
## 14.25	0.00000000	0.00000000	0.00000000	0.50000000
## 14.26	0.00000000	0.00000000	0.00000000	1.00000000
## 14.27	0.00000000	0.00000000	0.00000000	0.00000000
## 14.29	0.00000000	0.00000000	0.00000000	0.11111111
## 14.31	0.00000000	0.00000000	0.00000000	0.00000000
## 14.32	0.00000000	0.33333333	0.00000000	0.33333333
## 14.35	0.00000000	0.00000000	0.00000000	0.25000000
## 14.36	0.00000000	0.25000000	0.00000000	0.00000000
## 14.38	0.00000000	0.40000000	0.00000000	0.00000000
## 14.4	0.00000000	0.00000000	0.00000000	0.20000000
## 14.42	0.00000000	0.00000000	0.00000000	1.00000000
## 14.43	0.00000000	0.20000000	0.00000000	0.40000000
## 14.44	0.00000000	0.00000000	0.00000000	0.00000000
## 14.45	0.00000000	0.16666667	0.00000000	0.00000000
## 14.47	0.00000000	0.00000000	0.00000000	0.00000000
## 14.49	0.00000000	0.00000000	0.00000000	0.00000000
## 14.5	0.00000000	0.16666667	0.00000000	0.14285714
## 14.51	0.00000000	0.00000000	0.00000000	1.00000000
## 14.52	0.00000000	0.23809524	0.00000000	0.00000000
## 14.53	0.00000000	0.20000000	0.00000000	0.00000000
## 14.54	0.00000000	0.42857143	0.00000000	0.00000000
## 14.55	0.00000000	0.66666667	0.00000000	0.00000000
## 14.57	0.00000000	0.09090909	0.00000000	0.18181818
## 14.59	0.00000000	0.50000000	0.00000000	0.50000000
## 14.6	0.00000000	0.00000000	0.00000000	0.00000000
## 14.61	0.00000000	0.00000000	0.00000000	0.00000000
## 14.62	0.00000000	0.33333333	0.00000000	0.00000000
## 14.63	0.00000000	0.00000000	0.00000000	0.16666667
## 14.65	0.00000000	0.33333333	0.00000000	0.00000000
## 14.7	0.00000000	0.12500000	0.00000000	0.25000000
## 14.72	0.00000000	0.20000000	0.00000000	0.00000000
## 14.73	0.00000000	0.12500000	0.00000000	0.00000000
## 14.75	0.00000000	0.60000000	0.00000000	0.00000000
## 14.79	0.00000000	1.00000000	0.00000000	0.00000000
## 14.8	0.00000000	0.16666667	0.00000000	0.00000000
## 14.82	0.00000000	0.00000000	0.00000000	0.00000000
## 14.83	0.00000000	0.33333333	0.00000000	0.00000000
## 14.84	0.00000000	0.00000000	0.00000000	0.00000000
## 14.85	0.00000000	0.00000000	0.00000000	0.00000000
## 14.87	0.00000000	0.00000000	0.00000000	0.00000000
## 14.89	0.00000000	0.12500000	0.00000000	0.25000000
## 14.9	0.00000000	0.20338983	0.01694915	0.10169492
## 14.92	0.00000000	1.00000000	0.00000000	0.00000000
## 14.94	0.00000000	0.00000000	0.00000000	0.00000000
## 14.95	0.00000000	0.21428571	0.03571429	0.07142857
## 14.99	0.00000000	0.00000000	0.00000000	0.00000000
## 15	0.00000000	0.36363636	0.00000000	0.27272727
## 15.01	0.00000000	0.00000000	0.00000000	0.33333333
## 15.03	0.00000000	0.00000000	0.00000000	0.00000000
## 15.04	0.00000000	0.00000000	0.00000000	0.00000000
## 15.05	0.00000000	0.25000000	0.00000000	0.00000000
## 15.08	0.00000000	0.00000000	0.00000000	0.00000000

## 15.1	0.00000000	0.00000000	0.00000000	0.80000000
## 15.11	0.00000000	0.00000000	0.00000000	0.16666667
## 15.13	0.00000000	0.00000000	0.00000000	0.00000000
## 15.15	0.00000000	1.00000000	0.00000000	0.00000000
## 15.16	0.00000000	0.00000000	0.00000000	0.40000000
## 15.18	0.00000000	0.00000000	0.00000000	0.00000000
## 15.19	0.00000000	0.00000000	0.00000000	0.00000000
## 15.2	0.00000000	0.20000000	0.00000000	0.40000000
## 15.23	0.00000000	0.00000000	0.00000000	0.00000000
## 15.25	0.00000000	0.50000000	0.00000000	0.50000000
## 15.26	0.00000000	0.00000000	0.00000000	0.00000000
## 15.27	0.00000000	0.00000000	0.00000000	0.00000000
## 15.28	0.00000000	0.00000000	0.00000000	0.00000000
## 15.3	0.00000000	0.20000000	0.00000000	0.20000000
## 15.33	0.00000000	0.00000000	0.00000000	0.00000000
## 15.37	0.00000000	1.00000000	0.00000000	0.00000000
## 15.38	0.00000000	0.00000000	0.00000000	0.33333333
## 15.39	0.00000000	0.33333333	0.00000000	0.16666667
## 15.4	0.00000000	0.10000000	0.00000000	0.30000000
## 15.42	0.00000000	0.20000000	0.00000000	0.00000000
## 15.45	0.00000000	1.00000000	0.00000000	0.00000000
## 15.47	0.00000000	0.00000000	0.00000000	0.00000000
## 15.48	0.00000000	0.00000000	0.00000000	0.00000000
## 15.49	0.00000000	0.00000000	0.00000000	0.00000000
## 15.5	0.00000000	0.35294118	0.00000000	0.13725490
## 15.51	0.00000000	0.00000000	0.00000000	0.00000000
## 15.54	0.00000000	0.50000000	0.00000000	0.00000000
## 15.55	0.00000000	0.33333333	0.00000000	0.00000000
## 15.59	0.00000000	0.00000000	0.00000000	0.00000000
## 15.6	0.00000000	0.00000000	0.00000000	0.00000000
## 15.61	0.00000000	0.00000000	0.00000000	0.00000000
## 15.65	0.00000000	0.00000000	0.00000000	0.37500000
## 15.67	0.00000000	0.33333333	0.00000000	0.00000000
## 15.68	0.00000000	0.00000000	0.00000000	0.00000000
## 15.69	0.00000000	0.14285714	0.00000000	0.07142857
## 15.7	0.00000000	0.33333333	0.00000000	0.00000000
## 15.75	0.00000000	0.00000000	0.00000000	0.00000000
## 15.76	0.00000000	0.00000000	0.00000000	0.00000000
## 15.77	0.00000000	0.00000000	0.00000000	0.00000000
## 15.78	0.00000000	0.00000000	0.00000000	0.00000000
## 15.79	0.00000000	0.00000000	0.00000000	0.00000000
## 15.8	0.00000000	0.50000000	0.00000000	0.00000000
## 15.84	0.00000000	0.20000000	0.00000000	0.00000000
## 15.85	0.00000000	0.00000000	0.00000000	0.00000000
## 15.88	0.00000000	1.00000000	0.00000000	0.00000000
## 15.89	0.00000000	0.00000000	0.00000000	0.00000000
## 15.9	0.00000000	0.32142857	0.00000000	0.10714286
## 15.94	0.00000000	0.00000000	0.00000000	1.00000000
## 15.95	0.00000000	0.14814815	0.00000000	0.22222222
## 15.98	0.00000000	0.25000000	0.00000000	0.00000000
## 15.99	0.00000000	0.00000000	0.00000000	0.25000000
## 16	0.00000000	0.16666667	0.00000000	0.33333333
## 16.02	0.00000000	0.00000000	0.00000000	1.00000000
## 16.07	0.00000000	0.00000000	0.00000000	0.00000000

## 16.08	0.00000000	0.08333333	0.00000000	0.00000000
## 16.09	0.00000000	0.30000000	0.00000000	0.20000000
## 16.11	0.00000000	0.00000000	0.00000000	0.50000000
## 16.17	0.00000000	0.00000000	0.00000000	0.00000000
## 16.2	0.00000000	0.00000000	0.00000000	0.00000000
## 16.21	0.00000000	0.00000000	0.00000000	0.00000000
## 16.23	0.00000000	0.00000000	0.00000000	0.00000000
## 16.25	0.00000000	1.00000000	0.00000000	0.00000000
## 16.27	0.00000000	0.00000000	0.00000000	0.00000000
## 16.29	0.00000000	0.50000000	0.00000000	0.00000000
## 16.31	0.00000000	1.00000000	0.00000000	0.00000000
## 16.32	0.00000000	0.00000000	0.00000000	0.00000000
## 16.33	0.00000000	0.00000000	0.00000000	0.00000000
## 16.34	0.00000000	1.00000000	0.00000000	0.00000000
## 16.36	0.00000000	1.00000000	0.00000000	0.00000000
## 16.38	0.00000000	0.50000000	0.00000000	0.25000000
## 16.39	0.00000000	0.10000000	0.00000000	0.10000000
## 16.4	0.00000000	0.33333333	0.00000000	0.00000000
## 16.44	0.00000000	0.00000000	0.00000000	0.00000000
## 16.45	0.00000000	0.00000000	0.00000000	1.00000000
## 16.46	0.00000000	0.00000000	0.00000000	0.00000000
## 16.47	0.00000000	0.34782609	0.00000000	0.04347826
## 16.48	0.00000000	0.50000000	0.00000000	0.00000000
## 16.5	0.00000000	0.41176471	0.00000000	0.11764706
## 16.51	0.00000000	0.00000000	0.00000000	0.00000000
## 16.52	0.00000000	0.23076923	0.00000000	0.38461538
## 16.53	0.00000000	0.00000000	0.00000000	0.00000000
## 16.55	0.00000000	0.50000000	0.00000000	0.00000000
## 16.56	0.00000000	0.00000000	0.00000000	0.00000000
## 16.57	0.00000000	0.00000000	0.00000000	0.50000000
## 16.58	0.00000000	0.00000000	0.00000000	1.00000000
## 16.59	0.00000000	0.16666667	0.00000000	0.00000000
## 16.6	0.00000000	0.25000000	0.00000000	0.00000000
## 16.62	0.00000000	0.33333333	0.00000000	0.00000000
## 16.64	0.00000000	0.00000000	0.00000000	0.00000000
## 16.66	0.00000000	0.00000000	0.00000000	1.00000000
## 16.68	0.00000000	0.00000000	0.00000000	0.00000000
## 16.69	0.00000000	0.33333333	0.00000000	0.00000000
## 16.7	0.00000000	0.25000000	0.00000000	0.25000000
## 16.72	0.00000000	0.00000000	0.00000000	0.00000000
## 16.73	0.00000000	0.50000000	0.00000000	0.50000000
## 16.74	0.00000000	0.25000000	0.00000000	0.00000000
## 16.75	0.00000000	0.20000000	0.00000000	0.00000000
## 16.76	0.00000000	0.00000000	0.00000000	0.00000000
## 16.77	0.00000000	0.00000000	0.00000000	0.25000000
## 16.79	0.00000000	0.66666667	0.00000000	0.00000000
## 16.83	0.00000000	0.66666667	0.00000000	0.00000000
## 16.85	0.00000000	0.25000000	0.00000000	0.00000000
## 16.87	0.00000000	0.00000000	0.00000000	0.00000000
## 16.88	0.00000000	0.00000000	0.00000000	0.00000000
## 16.9	0.00000000	0.29090909	0.03636364	0.10909091
## 16.92	0.00000000	0.00000000	0.00000000	0.00000000
## 16.93	0.00000000	0.00000000	0.00000000	0.00000000
## 16.94	0.00000000	1.00000000	0.00000000	0.00000000

## 16.95	0.00000000	0.16129032	0.00000000	0.22580645
## 16.96	0.00000000	1.00000000	0.00000000	0.00000000
## 16.97	0.00000000	0.00000000	0.00000000	0.00000000
## 16.98	0.00000000	0.00000000	0.00000000	0.00000000
## 16.99	0.00000000	0.00000000	0.00000000	0.00000000
## 17	0.00000000	0.62500000	0.00000000	0.25000000
## 17.01	0.00000000	0.00000000	0.00000000	0.00000000
## 17.06	0.00000000	0.33333333	0.00000000	0.00000000
## 17.07	0.00000000	1.00000000	0.00000000	0.00000000
## 17.09	0.00000000	0.00000000	0.00000000	0.00000000
## 17.1	0.00000000	0.00000000	0.00000000	1.00000000
## 17.13	0.00000000	0.00000000	0.00000000	0.00000000
## 17.16	0.00000000	0.00000000	0.00000000	0.00000000
## 17.18	0.00000000	0.00000000	0.00000000	0.33333333
## 17.2	0.00000000	0.00000000	0.00000000	0.50000000
## 17.21	0.00000000	1.00000000	0.00000000	0.00000000
## 17.23	0.00000000	0.00000000	0.00000000	0.00000000
## 17.24	0.00000000	0.00000000	0.00000000	0.00000000
## 17.25	0.00000000	0.00000000	0.00000000	0.00000000
## 17.29	0.00000000	0.08333333	0.00000000	0.33333333
## 17.3	0.00000000	0.00000000	0.00000000	0.00000000
## 17.35	0.00000000	0.16666667	0.00000000	0.50000000
## 17.36	0.00000000	0.33333333	0.00000000	0.00000000
## 17.38	0.00000000	1.00000000	0.00000000	0.00000000
## 17.4	0.00000000	0.00000000	0.00000000	0.00000000
## 17.41	0.00000000	0.00000000	0.00000000	0.00000000
## 17.42	0.00000000	0.00000000	0.00000000	0.00000000
## 17.44	0.00000000	0.00000000	0.00000000	0.00000000
## 17.45	0.00000000	0.34782609	0.00000000	0.08695652
## 17.5	0.00000000	0.17647059	0.00000000	0.20588235
## 17.52	0.00000000	0.50000000	0.00000000	0.00000000
## 17.54	0.00000000	0.50000000	0.00000000	0.00000000
## 17.55	0.00000000	0.00000000	0.00000000	0.40000000
## 17.57	0.00000000	0.00000000	0.00000000	0.00000000
## 17.59	0.00000000	0.25000000	0.00000000	0.00000000
## 17.6	0.00000000	0.00000000	0.00000000	0.00000000
## 17.61	0.00000000	0.00000000	0.00000000	0.00000000
## 17.63	0.00000000	0.00000000	0.00000000	0.00000000
## 17.69	0.00000000	0.00000000	0.00000000	0.33333333
## 17.7	0.00000000	0.00000000	0.00000000	0.66666667
## 17.74	0.00000000	0.16666667	0.16666667	0.00000000
## 17.75	0.00000000	0.00000000	0.00000000	0.00000000
## 17.76	0.00000000	0.00000000	0.00000000	0.00000000
## 17.78	0.00000000	0.00000000	0.00000000	0.00000000
## 17.79	0.00000000	0.07142857	0.00000000	0.21428571
## 17.8	0.00000000	0.00000000	0.00000000	1.00000000
## 17.81	0.00000000	0.00000000	0.00000000	0.00000000
## 17.84	0.00000000	0.50000000	0.00000000	0.00000000
## 17.85	0.00000000	0.66666667	0.00000000	0.00000000
## 17.89	0.00000000	0.00000000	0.00000000	0.00000000
## 17.9	0.00000000	0.29729730	0.00000000	0.08108108
## 17.91	0.00000000	0.00000000	0.00000000	0.00000000
## 17.95	0.00000000	0.57142857	0.00000000	0.09523810
## 17.99	0.00000000	0.10000000	0.00000000	0.10000000

## 18	0.00000000	0.10000000	0.00000000	0.40000000
## 18.03	0.00000000	0.25000000	0.00000000	0.00000000
## 18.04	0.00000000	1.00000000	0.00000000	0.00000000
## 18.06	0.00000000	0.00000000	0.00000000	0.00000000
## 18.08	0.00000000	1.00000000	0.00000000	0.00000000
## 18.15	0.00000000	0.00000000	0.00000000	0.00000000
## 18.19	0.00000000	0.00000000	0.00000000	0.00000000
## 18.2	0.00000000	0.00000000	0.00000000	0.00000000
## 18.21	0.00000000	1.00000000	0.00000000	0.00000000
## 18.23	0.00000000	0.00000000	0.00000000	0.00000000
## 18.24	0.00000000	0.00000000	0.00000000	0.00000000
## 18.25	0.00000000	0.33333333	0.00000000	0.00000000
## 18.27	0.00000000	1.00000000	0.00000000	0.00000000
## 18.29	0.00000000	0.00000000	0.00000000	0.00000000
## 18.3	0.00000000	0.33333333	0.00000000	0.00000000
## 18.31	0.00000000	1.00000000	0.00000000	0.00000000
## 18.32	0.00000000	0.00000000	0.00000000	0.00000000
## 18.33	0.00000000	0.00000000	0.00000000	0.00000000
## 18.34	0.00000000	0.00000000	0.00000000	1.00000000
## 18.35	0.00000000	0.00000000	0.00000000	0.00000000
## 18.38	0.00000000	0.00000000	0.00000000	0.00000000
## 18.39	0.00000000	0.00000000	0.00000000	0.00000000
## 18.4	0.00000000	0.00000000	0.00000000	0.00000000
## 18.41	0.00000000	0.00000000	0.00000000	0.00000000
## 18.42	0.00000000	0.12000000	0.00000000	0.12000000
## 18.43	0.00000000	0.00000000	0.00000000	0.00000000
## 18.45	0.00000000	0.00000000	0.00000000	0.00000000
## 18.47	0.00000000	0.66666667	0.00000000	0.00000000
## 18.49	0.00000000	0.00000000	0.00000000	0.25000000
## 18.5	0.00000000	0.21428571	0.00000000	0.10714286
## 18.51	0.00000000	0.00000000	0.00000000	0.00000000
## 18.52	0.00000000	0.00000000	0.00000000	0.20000000
## 18.53	0.00000000	0.00000000	0.00000000	1.00000000
## 18.6	0.00000000	0.50000000	0.00000000	0.00000000
## 18.64	0.00000000	0.00000000	0.00000000	0.00000000
## 18.7	0.00000000	0.00000000	0.00000000	0.00000000
## 18.72	0.00000000	1.00000000	0.00000000	0.00000000
## 18.73	0.00000000	0.00000000	0.00000000	0.00000000
## 18.75	0.00000000	0.66666667	0.00000000	0.00000000
## 18.79	0.00000000	0.42857143	0.00000000	0.00000000
## 18.8	0.00000000	0.25000000	0.00000000	0.00000000
## 18.81	0.00000000	0.00000000	0.00000000	0.50000000
## 18.83	0.00000000	0.00000000	0.00000000	0.00000000
## 18.84	0.00000000	0.40000000	0.00000000	0.10000000
## 18.85	0.00000000	0.00000000	0.00000000	0.00000000
## 18.86	0.00000000	0.33333333	0.00000000	0.00000000
## 18.89	0.00000000	0.00000000	0.00000000	0.00000000
## 18.9	0.00000000	0.32653061	0.00000000	0.10204082
## 18.92	0.00000000	0.00000000	0.00000000	0.00000000
## 18.93	0.00000000	0.00000000	0.00000000	0.00000000
## 18.94	0.00000000	0.00000000	0.00000000	0.50000000
## 18.95	0.00000000	0.31578947	0.00000000	0.15789474
## 18.97	0.00000000	0.25000000	0.00000000	0.00000000
## 18.98	0.00000000	0.00000000	0.00000000	0.00000000

## 18.99	0.00000000	0.12500000	0.00000000	0.00000000
## 19	0.00000000	0.14285714	0.00000000	0.42857143
## 19.01	0.00000000	0.22222222	0.00000000	0.22222222
## 19.02	0.00000000	1.00000000	0.00000000	0.00000000
## 19.05	0.00000000	0.00000000	0.00000000	0.00000000
## 19.07	0.00000000	0.00000000	0.00000000	0.00000000
## 19.11	0.00000000	0.00000000	0.00000000	1.00000000
## 19.2	0.00000000	0.25000000	0.00000000	0.00000000
## 19.24	0.00000000	0.00000000	0.00000000	0.00000000
## 19.25	0.00000000	0.00000000	0.00000000	0.00000000
## 19.26	0.00000000	0.00000000	0.00000000	1.00000000
## 19.29	0.00000000	0.33333333	0.00000000	0.00000000
## 19.3	0.00000000	0.20000000	0.00000000	0.00000000
## 19.31	0.00000000	0.33333333	0.00000000	0.00000000
## 19.35	0.00000000	0.20000000	0.00000000	0.00000000
## 19.37	0.00000000	0.50000000	0.00000000	0.00000000
## 19.39	0.00000000	0.14285714	0.00000000	0.00000000
## 19.4	0.00000000	0.20689655	0.00000000	0.03448276
## 19.42	0.00000000	0.20000000	0.00000000	0.00000000
## 19.43	0.00000000	1.00000000	0.00000000	0.00000000
## 19.44	0.00000000	0.00000000	0.00000000	1.00000000
## 19.45	0.00000000	0.31818182	0.00000000	0.22727273
## 19.47	0.00000000	0.33333333	0.00000000	0.00000000
## 19.48	0.00000000	0.00000000	0.00000000	0.00000000
## 19.49	0.00000000	0.40000000	0.00000000	0.00000000
## 19.5	0.00000000	0.24000000	0.00000000	0.20000000
## 19.53	0.00000000	0.00000000	0.00000000	0.00000000
## 19.58	0.00000000	0.00000000	0.00000000	0.00000000
## 19.6	0.00000000	0.00000000	0.00000000	0.00000000
## 19.65	0.00000000	0.33333333	0.00000000	0.00000000
## 19.69	0.00000000	1.00000000	0.00000000	0.00000000
## 19.7	0.00000000	0.00000000	0.00000000	0.50000000
## 19.72	0.00000000	0.00000000	0.00000000	1.00000000
## 19.75	0.00000000	0.50000000	0.00000000	0.00000000
## 19.77	0.00000000	0.00000000	0.00000000	0.00000000
## 19.79	0.00000000	0.50000000	0.00000000	0.00000000
## 19.8	0.00000000	0.40000000	0.00000000	0.00000000
## 19.82	0.00000000	0.00000000	0.00000000	0.00000000
## 19.85	0.00000000	0.00000000	0.00000000	0.00000000
## 19.86	0.00000000	0.00000000	0.00000000	0.00000000
## 19.87	0.00000000	0.00000000	0.00000000	0.33333333
## 19.88	0.00000000	1.00000000	0.00000000	0.00000000
## 19.89	0.00000000	0.00000000	0.00000000	0.25000000
## 19.9	0.00000000	0.23636364	0.00000000	0.10909091
## 19.91	0.00000000	0.00000000	0.00000000	0.50000000
## 19.95	0.00000000	0.30303030	0.00000000	0.09090909
## 19.98	0.00000000	0.00000000	0.00000000	0.00000000
## 19.99	0.00000000	0.09523810	0.00000000	0.04761905
## 20	0.00000000	0.00000000	0.00000000	0.00000000
## 20.09	0.00000000	0.50000000	0.00000000	0.00000000
## 20.15	0.00000000	1.00000000	0.00000000	0.00000000
## 20.19	0.00000000	0.00000000	0.00000000	0.00000000
## 20.2	0.00000000	0.00000000	0.00000000	0.00000000
## 20.25	0.00000000	0.00000000	0.00000000	0.00000000

## 20.27	0.00000000	0.00000000	0.00000000	0.00000000
## 20.28	0.00000000	0.00000000	0.00000000	0.25000000
## 20.29	0.00000000	0.00000000	0.00000000	0.00000000
## 20.32	0.00000000	0.00000000	0.00000000	0.00000000
## 20.36	0.00000000	0.33333333	0.00000000	0.00000000
## 20.37	0.00000000	0.20000000	0.00000000	0.00000000
## 20.4	0.00000000	0.00000000	0.00000000	0.00000000
## 20.42	0.00000000	1.00000000	0.00000000	0.00000000
## 20.43	0.00000000	0.00000000	0.00000000	0.00000000
## 20.47	0.00000000	0.33333333	0.00000000	0.00000000
## 20.5	0.00000000	0.20000000	0.00000000	0.20000000
## 20.53	0.00000000	0.00000000	0.00000000	0.66666667
## 20.54	0.00000000	0.00000000	0.00000000	0.00000000
## 20.65	0.00000000	0.00000000	0.00000000	0.00000000
## 20.67	0.00000000	1.00000000	0.00000000	0.00000000
## 20.74	0.00000000	1.00000000	0.00000000	0.00000000
## 20.75	0.00000000	0.20000000	0.00000000	0.00000000
## 20.76	0.00000000	0.00000000	0.00000000	0.00000000
## 20.81	0.00000000	1.00000000	0.00000000	0.00000000
## 20.84	0.00000000	0.00000000	0.00000000	0.50000000
## 20.85	0.00000000	0.00000000	0.00000000	0.00000000
## 20.86	0.00000000	0.00000000	0.00000000	0.33333333
## 20.88	0.00000000	0.00000000	0.00000000	1.00000000
## 20.89	0.00000000	0.00000000	0.00000000	0.50000000
## 20.9	0.00000000	0.21052632	0.00000000	0.10526316
## 20.93	0.00000000	0.00000000	0.00000000	0.00000000
## 20.95	0.00000000	0.18181818	0.00000000	0.45454545
## 20.96	0.00000000	0.16666667	0.00000000	0.33333333
## 20.97	0.00000000	0.00000000	0.00000000	0.00000000
## 20.99	0.00000000	0.40000000	0.00000000	0.00000000
## 21	0.00000000	0.16666667	0.00000000	0.16666667
## 21.05	0.00000000	0.00000000	0.00000000	0.00000000
## 21.1	0.00000000	0.00000000	0.00000000	0.00000000
## 21.15	0.00000000	0.00000000	0.00000000	0.00000000
## 21.16	0.00000000	0.00000000	0.00000000	0.00000000
## 21.18	0.00000000	0.00000000	0.00000000	0.00000000
## 21.19	0.00000000	0.00000000	0.00000000	0.00000000
## 21.2	0.00000000	0.00000000	0.00000000	0.00000000
## 21.21	0.00000000	0.00000000	0.00000000	0.50000000
## 21.24	0.00000000	0.00000000	0.00000000	0.00000000
## 21.25	0.00000000	0.00000000	0.00000000	0.00000000
## 21.29	0.00000000	0.00000000	0.00000000	0.00000000
## 21.33	0.00000000	0.00000000	0.00000000	0.00000000
## 21.34	0.00000000	0.50000000	0.00000000	0.00000000
## 21.35	0.00000000	0.00000000	0.00000000	0.00000000
## 21.39	0.00000000	0.20000000	0.00000000	0.00000000
## 21.4	0.00000000	0.00000000	0.00000000	0.50000000
## 21.44	0.00000000	1.00000000	0.00000000	0.00000000
## 21.45	0.00000000	0.11764706	0.00000000	0.05882353
## 21.5	0.00000000	0.15384615	0.00000000	0.07692308
## 21.51	0.00000000	0.00000000	0.00000000	0.00000000
## 21.55	0.00000000	1.00000000	0.00000000	0.00000000
## 21.57	0.00000000	0.20000000	0.00000000	0.00000000
## 21.58	0.00000000	0.00000000	0.00000000	0.00000000

## 21.6	0.00000000	0.50000000	0.00000000	0.00000000
## 21.63	0.00000000	0.25000000	0.00000000	0.00000000
## 21.65	0.00000000	1.00000000	0.00000000	0.00000000
## 21.66	0.00000000	0.50000000	0.00000000	0.00000000
## 21.74	0.00000000	1.00000000	0.00000000	0.00000000
## 21.8	0.00000000	0.00000000	0.00000000	0.00000000
## 21.82	0.00000000	0.00000000	0.00000000	0.00000000
## 21.83	0.00000000	0.00000000	0.00000000	1.00000000
## 21.85	0.00000000	0.00000000	0.00000000	0.00000000
## 21.87	0.00000000	0.00000000	0.00000000	0.00000000
## 21.88	0.00000000	1.00000000	0.00000000	0.00000000
## 21.89	0.00000000	0.00000000	0.00000000	0.00000000
## 21.9	0.04000000	0.24000000	0.00000000	0.04000000
## 21.91	0.00000000	0.00000000	0.00000000	0.00000000
## 21.93	0.00000000	0.20000000	0.00000000	0.00000000
## 21.94	0.00000000	0.00000000	0.00000000	1.00000000
## 21.95	0.00000000	0.33333333	0.00000000	0.00000000
## 21.99	0.00000000	0.00000000	0.00000000	0.00000000
## 22	0.00000000	0.37500000	0.00000000	0.06250000
## 22.09	0.00000000	1.00000000	0.00000000	0.00000000
## 22.1	0.00000000	0.00000000	0.00000000	0.00000000
## 22.13	0.00000000	0.00000000	0.00000000	1.00000000
## 22.2	0.00000000	0.00000000	0.00000000	0.00000000
## 22.21	0.00000000	0.00000000	0.00000000	0.00000000
## 22.22	0.00000000	0.33333333	0.00000000	0.00000000
## 22.23	0.00000000	0.33333333	0.00000000	0.33333333
## 22.3	0.00000000	0.50000000	0.00000000	0.00000000
## 22.32	0.00000000	0.50000000	0.00000000	0.00000000
## 22.33	0.00000000	1.00000000	0.00000000	0.00000000
## 22.35	0.00000000	0.00000000	0.00000000	0.00000000
## 22.36	0.00000000	0.00000000	0.00000000	1.00000000
## 22.37	0.00000000	0.75000000	0.00000000	0.00000000
## 22.38	0.00000000	1.00000000	0.00000000	0.00000000
## 22.39	0.00000000	0.50000000	0.00000000	0.00000000
## 22.42	0.00000000	0.66666667	0.00000000	0.00000000
## 22.45	0.00000000	0.00000000	0.00000000	0.00000000
## 22.47	0.00000000	0.00000000	0.00000000	0.00000000
## 22.49	0.00000000	1.00000000	0.00000000	0.00000000
## 22.5	0.00000000	0.31250000	0.00000000	0.00000000
## 22.59	0.00000000	0.00000000	0.00000000	0.00000000
## 22.62	0.00000000	1.00000000	0.00000000	0.00000000
## 22.63	0.00000000	1.00000000	0.00000000	0.00000000
## 22.65	0.00000000	0.00000000	0.00000000	1.00000000
## 22.67	0.00000000	1.00000000	0.00000000	0.00000000
## 22.69	0.00000000	0.00000000	0.00000000	0.33333333
## 22.7	0.00000000	0.00000000	0.00000000	0.25000000
## 22.71	0.00000000	0.00000000	0.00000000	0.00000000
## 22.75	0.00000000	0.00000000	0.00000000	0.00000000
## 22.78	0.00000000	1.00000000	0.00000000	0.00000000
## 22.79	0.00000000	1.00000000	0.00000000	0.00000000
## 22.8	0.00000000	0.50000000	0.00000000	0.00000000
## 22.85	0.00000000	0.00000000	0.00000000	0.00000000
## 22.89	0.00000000	0.00000000	0.00000000	0.50000000
## 22.9	0.00000000	0.35000000	0.00000000	0.10000000

## 22.91	0.00000000	0.20000000	0.00000000	0.00000000
## 22.94	0.00000000	0.00000000	0.00000000	0.00000000
## 22.95	0.00000000	0.25000000	0.00000000	0.50000000
## 22.99	0.00000000	0.11111111	0.00000000	0.00000000
## 23	0.00000000	0.50000000	0.00000000	0.00000000
## 23.01	0.00000000	0.00000000	0.00000000	0.00000000
## 23.05	0.00000000	1.00000000	0.00000000	0.00000000
## 23.06	0.00000000	0.00000000	0.00000000	0.33333333
## 23.08	0.00000000	0.00000000	0.00000000	0.00000000
## 23.09	0.00000000	0.00000000	0.00000000	0.00000000
## 23.1	0.00000000	0.00000000	0.00000000	0.00000000
## 23.11	0.00000000	0.00000000	0.00000000	0.00000000
## 23.15	0.00000000	0.25000000	0.00000000	0.00000000
## 23.16	0.00000000	0.00000000	0.00000000	1.00000000
## 23.17	0.00000000	0.00000000	0.00000000	0.00000000
## 23.19	0.00000000	0.00000000	0.00000000	0.00000000
## 23.2	0.00000000	0.66666667	0.00000000	0.00000000
## 23.23	0.00000000	0.66666667	0.00000000	0.00000000
## 23.25	0.00000000	0.00000000	0.00000000	0.00000000
## 23.29	0.00000000	0.50000000	0.00000000	0.00000000
## 23.3	0.00000000	0.25000000	0.00000000	0.00000000
## 23.33	0.00000000	0.00000000	0.00000000	0.00000000
## 23.34	0.00000000	1.00000000	0.00000000	0.00000000
## 23.35	0.00000000	1.00000000	0.00000000	0.00000000
## 23.38	0.00000000	0.00000000	0.00000000	1.00000000
## 23.39	0.00000000	0.00000000	0.00000000	0.00000000
## 23.4	0.00000000	0.00000000	0.00000000	0.20000000
## 23.45	0.00000000	0.00000000	0.00000000	0.00000000
## 23.49	0.00000000	0.40000000	0.00000000	0.20000000
## 23.5	0.00000000	0.30000000	0.00000000	0.10000000
## 23.52	0.00000000	0.00000000	0.00000000	0.00000000
## 23.61	0.00000000	0.00000000	0.00000000	0.00000000
## 23.65	0.00000000	0.00000000	0.00000000	0.00000000
## 23.68	0.00000000	0.00000000	0.00000000	0.00000000
## 23.7	0.00000000	1.00000000	0.00000000	0.00000000
## 23.75	0.00000000	0.25000000	0.00000000	0.00000000
## 23.79	0.00000000	0.00000000	0.00000000	0.25000000
## 23.8	0.00000000	0.00000000	0.00000000	0.00000000
## 23.88	0.00000000	0.50000000	0.00000000	0.00000000
## 23.89	0.00000000	0.00000000	0.00000000	0.00000000
## 23.9	0.00000000	0.23529412	0.00000000	0.05882353
## 23.91	0.00000000	0.00000000	0.00000000	0.00000000
## 23.94	0.00000000	0.00000000	0.00000000	0.00000000
## 23.95	0.00000000	0.20000000	0.00000000	0.20000000
## 23.99	0.00000000	0.33333333	0.00000000	0.00000000
## 24	0.00000000	0.25000000	0.00000000	0.12500000
## 24.01	0.00000000	0.66666667	0.00000000	0.00000000
## 24.08	0.00000000	1.00000000	0.00000000	0.00000000
## 24.09	0.00000000	1.00000000	0.00000000	0.00000000
## 24.1	0.00000000	0.00000000	0.00000000	0.00000000
## 24.12	0.00000000	0.00000000	0.00000000	0.00000000
## 24.14	0.00000000	0.00000000	0.00000000	0.00000000
## 24.15	0.00000000	0.33333333	0.00000000	0.00000000
## 24.17	0.00000000	0.33333333	0.00000000	0.00000000

## 24.18	0.00000000	0.50000000	0.00000000	0.00000000
## 24.19	0.00000000	0.00000000	0.00000000	0.00000000
## 24.2	0.00000000	0.00000000	0.00000000	0.00000000
## 24.24	0.00000000	0.33333333	0.00000000	0.00000000
## 24.26	0.00000000	0.00000000	0.00000000	0.00000000
## 24.27	0.00000000	0.28571429	0.00000000	0.00000000
## 24.3	0.00000000	0.00000000	0.00000000	0.00000000
## 24.32	0.00000000	0.50000000	0.00000000	0.00000000
## 24.33	0.00000000	1.00000000	0.00000000	0.00000000
## 24.34	0.00000000	0.00000000	0.00000000	0.00000000
## 24.37	0.00000000	0.16666667	0.00000000	0.00000000
## 24.39	0.00000000	0.00000000	0.00000000	0.00000000
## 24.45	0.00000000	0.50000000	0.00000000	0.00000000
## 24.49	0.00000000	0.25000000	0.00000000	0.00000000
## 24.5	0.00000000	0.00000000	0.00000000	0.10000000
## 24.57	0.00000000	0.33333333	0.00000000	0.00000000
## 24.59	0.00000000	0.00000000	0.00000000	0.50000000
## 24.63	0.00000000	1.00000000	0.00000000	0.00000000
## 24.69	0.00000000	1.00000000	0.00000000	0.00000000
## 24.7	0.00000000	0.00000000	0.00000000	0.00000000
## 24.73	0.00000000	0.33333333	0.00000000	0.00000000
## 24.74	0.00000000	0.00000000	0.00000000	0.33333333
## 24.75	0.00000000	0.33333333	0.00000000	0.00000000
## 24.8	0.00000000	1.00000000	0.00000000	0.00000000
## 24.85	0.00000000	0.33333333	0.00000000	0.00000000
## 24.86	0.00000000	0.00000000	0.00000000	0.00000000
## 24.88	0.00000000	0.00000000	0.00000000	0.00000000
## 24.89	0.00000000	0.00000000	0.00000000	0.00000000
## 24.9	0.00000000	0.40909091	0.00000000	0.27272727
## 24.91	0.00000000	0.00000000	0.00000000	0.00000000
## 24.95	0.00000000	0.55555556	0.00000000	0.00000000
## 24.99	0.00000000	0.16666667	0.00000000	0.00000000
## 25	0.00000000	0.30000000	0.00000000	0.40000000
## 25.02	0.00000000	1.00000000	0.00000000	0.00000000
## 25.04	0.00000000	0.00000000	0.00000000	0.00000000
## 25.1	0.00000000	0.00000000	0.00000000	0.00000000
## 25.12	0.00000000	0.00000000	0.00000000	0.00000000
## 25.13	0.00000000	0.40000000	0.00000000	0.00000000
## 25.15	0.00000000	0.50000000	0.00000000	0.00000000
## 25.16	0.00000000	1.00000000	0.00000000	0.00000000
## 25.2	0.00000000	0.00000000	0.00000000	0.00000000
## 25.24	0.00000000	0.80000000	0.00000000	0.00000000
## 25.25	0.00000000	1.00000000	0.00000000	0.00000000
## 25.26	0.00000000	0.00000000	0.00000000	0.00000000
## 25.29	0.00000000	0.00000000	0.00000000	0.00000000
## 25.3	0.00000000	0.00000000	0.00000000	0.00000000
## 25.34	0.00000000	0.00000000	0.00000000	0.00000000
## 25.35	0.00000000	0.00000000	0.00000000	0.50000000
## 25.39	0.00000000	0.00000000	0.00000000	0.00000000
## 25.44	0.00000000	1.00000000	0.00000000	0.00000000
## 25.45	0.00000000	0.00000000	0.00000000	0.00000000
## 25.47	0.00000000	0.50000000	0.00000000	0.00000000
## 25.49	0.00000000	0.00000000	0.00000000	0.00000000
## 25.5	0.00000000	0.10000000	0.00000000	0.00000000

## 25.55	0.00000000	0.00000000	0.00000000	0.00000000
## 25.57	0.00000000	0.00000000	0.00000000	0.00000000
## 25.69	0.00000000	0.00000000	0.00000000	0.00000000
## 25.7	0.00000000	0.00000000	0.00000000	0.00000000
## 25.71	0.00000000	0.00000000	0.00000000	0.00000000
## 25.75	0.00000000	0.50000000	0.00000000	0.00000000
## 25.78	0.00000000	0.00000000	0.00000000	0.00000000
## 25.79	0.00000000	1.00000000	0.00000000	0.00000000
## 25.8	0.00000000	0.00000000	0.00000000	0.00000000
## 25.83	0.00000000	0.00000000	0.00000000	0.33333333
## 25.84	0.00000000	0.00000000	0.00000000	1.00000000
## 25.85	0.00000000	0.00000000	0.00000000	0.00000000
## 25.89	0.00000000	0.00000000	0.00000000	0.00000000
## 25.9	0.00000000	0.25925926	0.03703704	0.00000000
## 25.92	0.00000000	0.80000000	0.00000000	0.00000000
## 25.95	0.00000000	0.40000000	0.00000000	0.20000000
## 25.99	0.00000000	0.22222222	0.00000000	0.00000000
## 26	0.00000000	0.25000000	0.00000000	0.25000000
## 26.03	0.00000000	0.00000000	1.00000000	0.00000000
## 26.04	0.00000000	1.00000000	0.00000000	0.00000000
## 26.05	0.00000000	0.00000000	0.00000000	0.00000000
## 26.06	0.00000000	0.00000000	0.00000000	0.00000000
## 26.09	0.00000000	0.00000000	0.00000000	0.00000000
## 26.1	0.00000000	0.00000000	0.00000000	0.00000000
## 26.12	0.00000000	0.00000000	0.00000000	0.00000000
## 26.14	0.00000000	0.00000000	0.00000000	0.00000000
## 26.18	0.00000000	0.50000000	0.00000000	0.00000000
## 26.2	0.00000000	0.00000000	0.00000000	0.00000000
## 26.21	0.00000000	0.00000000	0.00000000	0.00000000
## 26.22	0.00000000	0.40000000	0.00000000	0.00000000
## 26.23	0.00000000	0.50000000	0.00000000	0.00000000
## 26.25	0.00000000	0.00000000	0.00000000	0.00000000
## 26.27	0.00000000	0.00000000	0.00000000	0.00000000
## 26.31	0.00000000	0.00000000	0.00000000	0.00000000
## 26.32	0.00000000	0.40000000	0.00000000	0.20000000
## 26.36	0.00000000	0.00000000	0.00000000	0.00000000
## 26.39	0.00000000	0.00000000	0.00000000	0.00000000
## 26.47	0.00000000	0.00000000	0.00000000	1.00000000
## 26.48	0.00000000	1.00000000	0.00000000	0.00000000
## 26.5	0.00000000	0.08333333	0.00000000	0.08333333
## 26.55	0.00000000	0.00000000	0.00000000	0.00000000
## 26.61	0.00000000	0.00000000	0.00000000	0.50000000
## 26.66	0.00000000	0.00000000	0.00000000	1.00000000
## 26.69	0.00000000	0.00000000	0.00000000	0.00000000
## 26.7	0.00000000	0.22222222	0.00000000	0.11111111
## 26.77	0.00000000	0.00000000	0.00000000	0.00000000
## 26.8	0.00000000	0.00000000	0.00000000	0.00000000
## 26.81	0.00000000	0.00000000	0.00000000	0.14285714
## 26.85	0.00000000	0.00000000	0.00000000	0.00000000
## 26.89	0.00000000	0.00000000	0.00000000	0.50000000
## 26.9	0.00000000	0.15789474	0.00000000	0.05263158
## 26.92	0.00000000	0.00000000	0.00000000	0.00000000
## 26.95	0.00000000	0.16666667	0.00000000	0.16666667
## 26.99	0.00000000	0.00000000	0.00000000	0.00000000

## 27	0.00000000	0.33333333	0.00000000	0.33333333
## 27.04	0.00000000	0.50000000	0.00000000	0.00000000
## 27.06	0.00000000	0.20000000	0.00000000	0.00000000
## 27.09	0.00000000	0.00000000	0.00000000	0.00000000
## 27.1	0.00000000	0.00000000	0.00000000	0.00000000
## 27.11	0.00000000	1.00000000	0.00000000	0.00000000
## 27.13	0.00000000	0.00000000	0.00000000	0.00000000
## 27.15	0.00000000	0.16666667	0.00000000	0.00000000
## 27.2	0.00000000	0.22222222	0.00000000	0.00000000
## 27.25	0.00000000	0.66666667	0.00000000	0.00000000
## 27.26	0.00000000	0.00000000	0.00000000	1.00000000
## 27.27	0.00000000	1.00000000	0.00000000	0.00000000
## 27.28	0.00000000	0.00000000	0.00000000	0.00000000
## 27.29	0.00000000	0.33333333	0.00000000	0.00000000
## 27.3	0.00000000	0.00000000	0.00000000	0.00000000
## 27.32	0.00000000	0.00000000	0.00000000	0.00000000
## 27.36	0.00000000	0.00000000	0.00000000	0.00000000
## 27.4	0.00000000	0.00000000	0.00000000	0.00000000
## 27.43	0.00000000	0.00000000	0.00000000	0.00000000
## 27.5	0.00000000	0.21428571	0.00000000	0.21428571
## 27.59	0.00000000	0.00000000	0.00000000	0.00000000
## 27.6	0.00000000	0.00000000	0.00000000	1.00000000
## 27.65	0.00000000	0.00000000	0.00000000	0.00000000
## 27.68	0.00000000	0.00000000	0.00000000	0.00000000
## 27.69	0.00000000	0.00000000	0.00000000	1.00000000
## 27.71	0.00000000	0.50000000	0.00000000	0.00000000
## 27.75	0.00000000	0.00000000	0.00000000	0.00000000
## 27.78	0.00000000	0.25000000	0.00000000	0.12500000
## 27.79	0.00000000	0.00000000	0.00000000	0.00000000
## 27.82	0.00000000	0.00000000	0.00000000	0.00000000
## 27.89	0.00000000	0.00000000	0.00000000	0.00000000
## 27.9	0.00000000	0.27272727	0.00000000	0.00000000
## 27.95	0.00000000	0.57142857	0.00000000	0.14285714
## 27.96	0.00000000	0.00000000	0.00000000	0.00000000
## 27.99	0.00000000	0.00000000	0.00000000	0.00000000
## 28	0.00000000	0.00000000	0.00000000	0.33333333
## 28.01	0.00000000	0.00000000	0.00000000	0.50000000
## 28.03	0.00000000	0.00000000	0.00000000	0.00000000
## 28.06	0.00000000	0.00000000	0.00000000	0.00000000
## 28.07	0.00000000	0.50000000	0.00000000	0.00000000
## 28.08	0.00000000	0.50000000	0.00000000	0.00000000
## 28.09	0.00000000	0.00000000	0.00000000	1.00000000
## 28.1	0.00000000	0.50000000	0.00000000	0.00000000
## 28.12	0.00000000	0.00000000	0.00000000	0.00000000
## 28.13	0.00000000	1.00000000	0.00000000	0.00000000
## 28.16	0.00000000	0.00000000	0.00000000	0.00000000
## 28.17	0.00000000	0.00000000	0.00000000	0.50000000
## 28.18	0.00000000	0.50000000	0.00000000	0.00000000
## 28.22	0.00000000	1.00000000	0.00000000	0.00000000
## 28.24	0.00000000	0.00000000	0.00000000	0.50000000
## 28.25	0.00000000	1.00000000	0.00000000	0.00000000
## 28.27	0.00000000	0.00000000	0.00000000	0.00000000
## 28.3	0.00000000	0.00000000	0.00000000	0.00000000
## 28.31	0.00000000	0.00000000	0.00000000	0.00000000

## 28.35	0.00000000	0.00000000	0.00000000	0.00000000
## 28.38	0.00000000	0.00000000	0.00000000	1.00000000
## 28.4	0.00000000	0.00000000	0.00000000	0.00000000
## 28.41	0.00000000	0.00000000	0.00000000	0.00000000
## 28.42	0.00000000	0.00000000	0.00000000	0.00000000
## 28.47	0.00000000	1.00000000	0.00000000	0.00000000
## 28.49	0.00000000	0.20000000	0.00000000	0.20000000
## 28.5	0.00000000	0.00000000	0.00000000	0.00000000
## 28.55	0.00000000	1.00000000	0.00000000	0.00000000
## 28.59	0.00000000	0.00000000	0.00000000	1.00000000
## 28.6	0.00000000	0.00000000	0.00000000	0.00000000
## 28.62	0.00000000	0.00000000	0.00000000	0.00000000
## 28.65	0.00000000	1.00000000	0.00000000	0.00000000
## 28.66	0.00000000	1.00000000	0.00000000	0.00000000
## 28.7	0.00000000	0.00000000	0.00000000	0.25000000
## 28.72	0.00000000	1.00000000	0.00000000	0.00000000
## 28.76	0.00000000	0.66666667	0.00000000	0.00000000
## 28.8	0.00000000	0.00000000	0.00000000	0.00000000
## 28.83	0.00000000	0.75000000	0.00000000	0.00000000
## 28.9	0.06666667	0.33333333	0.00000000	0.00000000
## 28.92	0.00000000	0.00000000	0.00000000	0.00000000
## 28.93	0.00000000	1.00000000	0.00000000	0.00000000
## 28.95	0.00000000	0.40000000	0.00000000	0.00000000
## 28.99	0.00000000	0.00000000	0.00000000	0.00000000
## 29	0.00000000	0.33333333	0.00000000	0.00000000
## 29.05	0.00000000	0.16666667	0.00000000	0.00000000
## 29.08	0.00000000	0.00000000	0.00000000	1.00000000
## 29.09	0.00000000	0.00000000	0.00000000	0.00000000
## 29.1	0.00000000	1.00000000	0.00000000	0.00000000
## 29.12	0.00000000	0.00000000	0.00000000	0.00000000
## 29.13	0.00000000	0.00000000	0.00000000	0.00000000
## 29.15	0.00000000	0.57142857	0.00000000	0.04761905
## 29.19	0.00000000	0.00000000	0.00000000	0.00000000
## 29.2	0.00000000	0.00000000	0.00000000	0.00000000
## 29.25	0.00000000	0.00000000	0.00000000	0.00000000
## 29.28	0.00000000	0.00000000	0.00000000	0.00000000
## 29.29	0.00000000	0.00000000	0.00000000	1.00000000
## 29.36	0.00000000	0.00000000	0.00000000	0.00000000
## 29.37	0.00000000	0.00000000	0.00000000	0.00000000
## 29.39	0.00000000	1.00000000	0.00000000	0.00000000
## 29.41	0.00000000	0.00000000	0.00000000	1.00000000
## 29.45	0.00000000	1.00000000	0.00000000	0.00000000
## 29.47	0.00000000	0.50000000	0.00000000	0.00000000
## 29.48	0.00000000	0.00000000	0.00000000	0.00000000
## 29.49	0.00000000	0.00000000	0.00000000	0.00000000
## 29.5	0.00000000	0.25000000	0.00000000	0.18750000
## 29.54	0.00000000	0.00000000	0.00000000	0.00000000
## 29.55	0.00000000	1.00000000	0.00000000	0.00000000
## 29.6	0.00000000	0.00000000	0.00000000	0.00000000
## 29.61	0.00000000	0.00000000	0.00000000	0.00000000
## 29.67	0.00000000	0.00000000	0.00000000	0.00000000
## 29.77	0.00000000	0.00000000	0.00000000	0.00000000
## 29.8	0.00000000	0.00000000	0.00000000	0.00000000
## 29.84	0.00000000	0.00000000	0.00000000	0.00000000

## 29.85	0.00000000	0.00000000	0.00000000	0.00000000
## 29.89	0.00000000	0.00000000	0.00000000	0.00000000
## 29.9	0.00000000	0.17142857	0.02857143	0.17142857
## 29.95	0.00000000	0.30000000	0.00000000	0.25000000
## 29.99	0.00000000	0.00000000	0.00000000	0.00000000
## 30	0.00000000	0.50000000	0.00000000	0.25000000
## 30.07	0.00000000	0.00000000	0.00000000	0.00000000
## 30.12	0.00000000	0.00000000	0.00000000	0.00000000
## 30.17	0.00000000	1.00000000	0.00000000	0.00000000
## 30.19	0.00000000	0.00000000	0.00000000	0.00000000
## 30.31	0.00000000	0.00000000	0.00000000	0.00000000
## 30.39	0.00000000	0.00000000	0.00000000	0.50000000
## 30.43	0.00000000	0.00000000	0.00000000	0.00000000
## 30.45	0.00000000	0.00000000	0.00000000	0.00000000
## 30.47	0.00000000	0.00000000	0.00000000	0.66666667
## 30.52	0.00000000	0.00000000	0.00000000	0.00000000
## 30.62	0.00000000	0.50000000	0.00000000	0.00000000
## 30.65	0.00000000	1.00000000	0.00000000	0.00000000
## 30.7	0.00000000	1.00000000	0.00000000	0.00000000
## 30.71	0.00000000	0.00000000	0.00000000	0.00000000
## 30.73	0.00000000	0.00000000	0.00000000	0.00000000
## 30.74	0.00000000	1.00000000	0.00000000	0.00000000
## 30.78	0.00000000	0.00000000	0.00000000	1.00000000
## 30.81	0.00000000	0.00000000	0.00000000	0.00000000
## 30.9	0.00000000	0.50000000	0.00000000	0.00000000
## 30.95	0.00000000	0.33333333	0.00000000	0.00000000
## 30.99	0.00000000	0.00000000	0.00000000	0.00000000
## 31	0.00000000	0.00000000	0.00000000	1.00000000
## 31.02	0.00000000	0.00000000	0.00000000	0.00000000
## 31.1	0.00000000	0.50000000	0.00000000	0.00000000
## 31.16	0.00000000	0.00000000	0.00000000	1.00000000
## 31.18	0.00000000	0.33333333	0.00000000	0.00000000
## 31.19	0.00000000	0.12500000	0.00000000	0.12500000
## 31.2	0.00000000	1.00000000	0.00000000	0.00000000
## 31.39	0.00000000	1.00000000	0.00000000	0.00000000
## 31.48	0.00000000	0.50000000	0.00000000	0.00000000
## 31.5	0.00000000	0.00000000	0.00000000	0.00000000
## 31.53	0.00000000	0.00000000	0.00000000	0.00000000
## 31.57	0.00000000	0.00000000	0.00000000	0.00000000
## 31.59	0.00000000	0.00000000	0.00000000	0.00000000
## 31.63	0.00000000	0.00000000	0.00000000	0.00000000
## 31.68	0.00000000	0.33333333	0.00000000	0.33333333
## 31.85	0.00000000	0.00000000	0.00000000	0.00000000
## 31.9	0.00000000	0.45454545	0.00000000	0.00000000
## 31.91	0.00000000	0.00000000	0.00000000	0.00000000
## 31.95	0.00000000	0.62500000	0.00000000	0.00000000
## 31.96	0.00000000	0.33333333	0.00000000	0.00000000
## 31.97	0.00000000	0.00000000	0.00000000	0.00000000
## 31.99	0.00000000	0.00000000	0.00000000	0.00000000
## 32	0.00000000	0.30769231	0.00000000	0.07692308
## 32.06	0.00000000	1.00000000	0.00000000	0.00000000
## 32.07	0.00000000	0.33333333	0.00000000	0.00000000
## 32.12	0.00000000	0.50000000	0.00000000	0.50000000
## 32.14	0.00000000	0.00000000	0.00000000	0.00000000

## 32.17	0.00000000	0.00000000	0.00000000	0.00000000
## 32.19	0.00000000	0.00000000	0.00000000	0.00000000
## 32.27	0.00000000	0.00000000	0.00000000	1.00000000
## 32.3	0.00000000	0.00000000	0.00000000	0.00000000
## 32.35	0.00000000	0.00000000	0.00000000	1.00000000
## 32.36	0.00000000	1.00000000	0.00000000	0.00000000
## 32.41	0.00000000	0.50000000	0.00000000	0.00000000
## 32.45	0.00000000	0.00000000	0.00000000	0.00000000
## 32.5	0.00000000	0.12500000	0.00000000	0.12500000
## 32.52	0.00000000	0.00000000	0.00000000	0.00000000
## 32.54	0.00000000	1.00000000	0.00000000	0.00000000
## 32.55	0.00000000	1.00000000	0.00000000	0.00000000
## 32.65	0.00000000	0.33333333	0.00000000	0.33333333
## 32.66	0.00000000	0.00000000	0.00000000	0.00000000
## 32.67	0.00000000	0.00000000	0.00000000	0.00000000
## 32.75	0.00000000	0.00000000	0.00000000	0.00000000
## 32.79	0.00000000	0.00000000	0.00000000	0.00000000
## 32.86	0.00000000	0.00000000	0.00000000	0.00000000
## 32.87	0.00000000	0.00000000	0.00000000	0.00000000
## 32.88	0.00000000	0.00000000	0.00000000	0.00000000
## 32.9	0.00000000	0.25000000	0.08333333	0.00000000
## 32.95	0.00000000	0.00000000	0.00000000	0.25000000
## 32.97	0.00000000	0.00000000	0.00000000	0.00000000
## 32.99	0.00000000	0.00000000	0.00000000	0.00000000
## 33	0.00000000	0.28571429	0.00000000	0.00000000
## 33.05	0.00000000	0.50000000	0.00000000	0.00000000
## 33.13	0.00000000	1.00000000	0.00000000	0.00000000
## 33.14	0.00000000	0.00000000	0.00000000	0.50000000
## 33.2	0.00000000	0.00000000	0.00000000	0.00000000
## 33.25	0.00000000	0.00000000	0.00000000	0.00000000
## 33.42	0.00000000	1.00000000	0.00000000	0.00000000
## 33.45	0.00000000	1.00000000	0.00000000	0.00000000
## 33.46	0.00000000	1.00000000	0.00000000	0.00000000
## 33.48	0.00000000	1.00000000	0.00000000	0.00000000
## 33.5	0.00000000	0.00000000	0.00000000	0.33333333
## 33.59	0.00000000	0.50000000	0.00000000	0.00000000
## 33.62	0.00000000	1.00000000	0.00000000	0.00000000
## 33.63	0.00000000	0.00000000	0.00000000	0.00000000
## 33.68	0.00000000	0.00000000	0.00000000	0.00000000
## 33.69	0.00000000	0.00000000	0.00000000	0.00000000
## 33.73	0.00000000	1.00000000	0.00000000	0.00000000
## 33.76	0.00000000	1.00000000	0.00000000	0.00000000
## 33.81	0.00000000	0.50000000	0.00000000	0.00000000
## 33.83	0.00000000	1.00000000	0.00000000	0.00000000
## 33.85	0.00000000	0.00000000	0.00000000	0.00000000
## 33.87	0.00000000	1.00000000	0.00000000	0.00000000
## 33.89	0.00000000	0.00000000	0.00000000	0.00000000
## 33.9	0.00000000	0.46153846	0.00000000	0.07692308
## 33.92	0.00000000	0.33333333	0.00000000	0.00000000
## 33.95	0.00000000	0.33333333	0.00000000	0.11111111
## 33.97	0.00000000	0.00000000	0.00000000	0.00000000
## 33.99	0.00000000	0.00000000	0.00000000	0.00000000
## 34	0.00000000	0.25000000	0.00000000	0.25000000
## 34.02	0.00000000	0.41666667	0.00000000	0.00000000

## 34.07	0.00000000	1.00000000	0.00000000	0.00000000
## 34.1	0.00000000	1.00000000	0.00000000	0.00000000
## 34.12	0.00000000	0.40000000	0.00000000	0.20000000
## 34.15	0.00000000	0.33333333	0.00000000	0.00000000
## 34.2	0.00000000	1.00000000	0.00000000	0.00000000
## 34.21	0.00000000	0.00000000	0.00000000	0.00000000
## 34.22	0.00000000	0.00000000	0.00000000	0.00000000
## 34.32	0.00000000	0.25000000	0.00000000	0.00000000
## 34.4	0.00000000	1.00000000	0.00000000	0.00000000
## 34.44	0.00000000	0.00000000	0.00000000	0.00000000
## 34.5	0.00000000	0.00000000	0.00000000	0.00000000
## 34.54	0.00000000	0.00000000	0.00000000	0.00000000
## 34.58	0.00000000	0.00000000	0.00000000	0.00000000
## 34.59	0.00000000	0.00000000	0.00000000	1.00000000
## 34.61	0.00000000	0.00000000	0.00000000	0.00000000
## 34.64	0.00000000	1.00000000	0.00000000	0.00000000
## 34.65	0.00000000	0.00000000	0.00000000	0.00000000
## 34.71	0.00000000	1.00000000	0.00000000	0.00000000
## 34.73	0.00000000	0.00000000	0.00000000	0.00000000
## 34.8	0.00000000	0.40000000	0.00000000	0.00000000
## 34.82	0.00000000	0.00000000	0.00000000	0.00000000
## 34.85	0.00000000	1.00000000	0.00000000	0.00000000
## 34.89	0.00000000	0.25000000	0.00000000	0.00000000
## 34.9	0.00000000	0.36363636	0.00000000	0.00000000
## 34.91	0.00000000	0.00000000	0.00000000	0.00000000
## 34.95	0.00000000	0.44444444	0.00000000	0.22222222
## 34.97	0.00000000	1.00000000	0.00000000	0.00000000
## 34.99	0.00000000	0.12500000	0.00000000	0.00000000
## 35	0.00000000	0.35000000	0.00000000	0.30000000
## 35.04	0.00000000	0.00000000	0.00000000	0.00000000
## 35.09	0.00000000	0.30000000	0.00000000	0.00000000
## 35.1	0.00000000	0.00000000	0.00000000	0.00000000
## 35.27	0.00000000	0.00000000	0.00000000	0.00000000
## 35.37	0.00000000	0.00000000	0.00000000	0.00000000
## 35.44	0.00000000	0.00000000	0.00000000	0.00000000
## 35.45	0.00000000	0.00000000	0.00000000	0.00000000
## 35.5	0.00000000	0.40000000	0.00000000	0.00000000
## 35.55	0.00000000	0.00000000	0.00000000	0.00000000
## 35.57	0.00000000	0.00000000	0.00000000	0.00000000
## 35.58	0.00000000	0.50000000	0.00000000	0.00000000
## 35.68	0.00000000	1.00000000	0.00000000	0.00000000
## 35.69	0.00000000	0.00000000	0.00000000	0.00000000
## 35.7	0.00000000	0.00000000	0.00000000	0.00000000
## 35.74	0.00000000	0.00000000	0.00000000	1.00000000
## 35.77	0.00000000	0.00000000	0.00000000	0.00000000
## 35.84	0.00000000	0.00000000	0.00000000	0.00000000
## 35.85	0.00000000	0.00000000	0.00000000	0.00000000
## 35.89	0.00000000	0.00000000	0.00000000	0.00000000
## 35.9	0.00000000	0.57142857	0.00000000	0.00000000
## 35.95	0.00000000	0.50000000	0.00000000	0.16666667
## 35.97	0.00000000	0.00000000	0.00000000	0.00000000
## 35.99	0.00000000	0.00000000	0.00000000	0.00000000
## 36	0.00000000	0.28571429	0.00000000	0.14285714
## 36.06	0.00000000	1.00000000	0.00000000	0.00000000

## 36.11	0.00000000	0.75000000	0.00000000	0.00000000
## 36.15	0.00000000	0.00000000	0.00000000	0.00000000
## 36.18	0.00000000	0.00000000	0.00000000	0.00000000
## 36.3	0.00000000	1.00000000	0.00000000	0.00000000
## 36.33	0.00000000	1.00000000	0.00000000	0.00000000
## 36.37	0.00000000	0.00000000	0.00000000	0.00000000
## 36.38	0.00000000	0.00000000	0.00000000	0.00000000
## 36.45	0.00000000	0.00000000	0.00000000	0.00000000
## 36.5	0.00000000	0.00000000	0.00000000	0.28571429
## 36.52	0.00000000	0.50000000	0.00000000	0.00000000
## 36.55	0.00000000	0.66666667	0.00000000	0.00000000
## 36.56	0.00000000	0.40000000	0.00000000	0.20000000
## 36.58	0.00000000	0.00000000	0.00000000	1.00000000
## 36.63	0.00000000	0.00000000	0.00000000	0.00000000
## 36.7	0.00000000	0.00000000	0.00000000	0.00000000
## 36.71	0.00000000	0.00000000	0.00000000	0.00000000
## 36.74	0.00000000	0.00000000	0.00000000	0.00000000
## 36.75	0.00000000	0.00000000	0.00000000	0.00000000
## 36.76	0.00000000	0.00000000	0.00000000	0.00000000
## 36.79	0.00000000	0.00000000	0.00000000	0.00000000
## 36.83	0.00000000	0.00000000	0.00000000	0.00000000
## 36.85	0.00000000	0.66666667	0.00000000	0.00000000
## 36.89	0.00000000	0.00000000	0.00000000	0.00000000
## 36.9	0.00000000	0.25000000	0.00000000	0.00000000
## 36.95	0.00000000	0.41666667	0.00000000	0.16666667
## 36.99	0.00000000	0.33333333	0.00000000	0.00000000
## 37	0.00000000	0.00000000	0.00000000	0.66666667
## 37.03	0.00000000	1.00000000	0.00000000	0.00000000
## 37.04	0.00000000	0.45454545	0.00000000	0.18181818
## 37.3	0.00000000	0.00000000	0.00000000	0.00000000
## 37.34	0.00000000	1.00000000	0.00000000	0.00000000
## 37.43	0.00000000	1.00000000	0.00000000	0.00000000
## 37.45	0.00000000	0.00000000	0.00000000	0.00000000
## 37.5	0.00000000	0.00000000	0.00000000	0.00000000
## 37.53	0.00000000	0.50000000	0.00000000	0.00000000
## 37.56	0.00000000	0.00000000	0.00000000	1.00000000
## 37.63	0.00000000	0.33333333	0.00000000	0.00000000
## 37.64	0.00000000	1.00000000	0.00000000	0.00000000
## 37.73	0.00000000	0.00000000	0.00000000	0.00000000
## 37.79	0.00000000	0.50000000	0.00000000	0.00000000
## 37.82	0.00000000	0.66666667	0.00000000	0.00000000
## 37.83	0.00000000	0.00000000	0.00000000	0.00000000
## 37.85	0.00000000	0.00000000	0.00000000	0.00000000
## 37.9	0.00000000	0.33333333	0.00000000	0.08333333
## 37.92	0.00000000	0.00000000	0.00000000	0.00000000
## 37.95	0.00000000	0.33333333	0.00000000	0.16666667
## 37.97	0.00000000	0.33333333	0.00000000	0.00000000
## 37.98	0.00000000	0.00000000	0.00000000	0.00000000
## 37.99	0.00000000	0.00000000	0.00000000	0.00000000
## 38	0.00000000	0.33333333	0.00000000	0.33333333
## 38.01	0.00000000	0.42857143	0.00000000	0.14285714
## 38.02	0.00000000	0.45454545	0.00000000	0.00000000
## 38.09	0.00000000	0.00000000	0.00000000	0.00000000
## 38.3	0.00000000	0.00000000	0.00000000	0.00000000

## 38.41	0.00000000	0.50000000	0.00000000	0.00000000
## 38.5	0.00000000	0.14285714	0.00000000	0.00000000
## 38.54	0.00000000	0.00000000	0.00000000	0.00000000
## 38.56	0.00000000	1.00000000	0.00000000	0.00000000
## 38.57	0.00000000	1.00000000	0.00000000	0.00000000
## 38.6	0.00000000	0.00000000	0.00000000	0.00000000
## 38.69	0.00000000	0.00000000	0.00000000	0.50000000
## 38.7	0.00000000	0.14285714	0.00000000	0.00000000
## 38.75	0.00000000	0.66666667	0.00000000	0.00000000
## 38.79	0.00000000	0.25000000	0.00000000	0.25000000
## 38.8	0.00000000	0.33333333	0.00000000	0.00000000
## 38.89	0.00000000	0.54545455	0.00000000	0.00000000
## 38.9	0.00000000	0.20000000	0.00000000	0.20000000
## 38.91	0.00000000	1.00000000	0.00000000	0.00000000
## 38.94	0.00000000	0.18181818	0.00000000	0.27272727
## 38.95	0.00000000	0.25000000	0.00000000	0.25000000
## 38.96	0.00000000	0.00000000	0.00000000	0.00000000
## 38.99	0.00000000	0.00000000	0.00000000	0.40000000
## 39	0.00000000	0.40000000	0.00000000	0.30000000
## 39.15	0.00000000	1.00000000	0.00000000	0.00000000
## 39.19	0.00000000	0.00000000	0.00000000	0.00000000
## 39.47	0.00000000	0.00000000	0.00000000	0.00000000
## 39.48	0.00000000	0.00000000	0.00000000	0.00000000
## 39.5	0.00000000	0.22222222	0.00000000	0.00000000
## 39.58	0.00000000	0.00000000	0.00000000	0.00000000
## 39.69	0.00000000	0.33333333	0.00000000	0.00000000
## 39.79	0.00000000	0.50000000	0.00000000	0.00000000
## 39.87	0.00000000	0.00000000	0.00000000	0.00000000
## 39.89	0.00000000	0.00000000	0.00000000	0.00000000
## 39.9	0.00000000	0.37500000	0.00000000	0.08333333
## 39.95	0.00000000	0.43333333	0.00000000	0.13333333
## 39.98	0.00000000	0.00000000	0.00000000	0.00000000
## 39.99	0.00000000	0.33333333	0.00000000	0.00000000
## 40	0.00000000	0.00000000	0.00000000	0.50000000
## 40.09	0.00000000	0.00000000	0.00000000	0.00000000
## 40.1	0.00000000	0.00000000	0.00000000	0.00000000
## 40.16	0.00000000	1.00000000	0.00000000	0.00000000
## 40.19	0.00000000	0.00000000	0.00000000	0.00000000
## 40.25	0.00000000	0.00000000	0.00000000	0.00000000
## 40.26	0.00000000	0.00000000	0.00000000	0.00000000
## 40.28	0.00000000	0.00000000	0.00000000	1.00000000
## 40.34	0.00000000	0.00000000	0.00000000	0.00000000
## 40.39	0.00000000	0.00000000	0.00000000	0.00000000
## 40.4	0.00000000	0.00000000	0.00000000	1.00000000
## 40.59	0.00000000	1.00000000	0.00000000	0.00000000
## 40.65	0.00000000	0.00000000	0.00000000	1.00000000
## 40.73	0.00000000	0.00000000	0.00000000	1.00000000
## 40.81	0.00000000	0.00000000	0.00000000	0.00000000
## 40.84	0.00000000	0.00000000	0.00000000	0.00000000
## 40.85	0.00000000	0.00000000	0.00000000	0.00000000
## 40.9	0.00000000	1.00000000	0.00000000	0.00000000
## 40.94	0.00000000	0.33333333	0.00000000	0.00000000
## 40.95	0.00000000	0.50000000	0.00000000	0.00000000
## 40.98	0.00000000	1.00000000	0.00000000	0.00000000

## 41	0.00000000	0.00000000	0.00000000	0.00000000
## 41.04	0.00000000	0.00000000	0.00000000	0.00000000
## 41.1	0.00000000	0.00000000	0.00000000	1.00000000
## 41.15	0.00000000	1.00000000	0.00000000	0.00000000
## 41.26	0.00000000	0.50000000	0.00000000	0.00000000
## 41.28	0.00000000	0.00000000	0.00000000	0.00000000
## 41.29	0.00000000	0.00000000	0.00000000	0.00000000
## 41.4	0.00000000	0.00000000	0.00000000	1.00000000
## 41.43	0.00000000	0.66666667	0.00000000	0.00000000
## 41.49	0.00000000	0.00000000	0.00000000	1.00000000
## 41.58	0.00000000	0.00000000	0.00000000	0.40000000
## 41.61	0.00000000	0.00000000	0.00000000	0.00000000
## 41.71	0.00000000	0.00000000	0.00000000	0.00000000
## 41.72	0.00000000	1.00000000	0.00000000	0.00000000
## 41.82	0.00000000	0.00000000	0.00000000	0.00000000
## 41.85	0.00000000	1.00000000	0.00000000	0.00000000
## 41.87	0.00000000	0.33333333	0.00000000	0.66666667
## 41.9	0.00000000	0.00000000	0.00000000	0.00000000
## 41.91	0.00000000	1.00000000	0.00000000	0.00000000
## 41.92	0.00000000	0.00000000	0.00000000	0.00000000
## 41.99	0.00000000	0.00000000	0.00000000	0.00000000
## 42	0.00000000	0.30769231	0.00000000	0.30769231
## 42.01	0.00000000	0.00000000	0.00000000	0.33333333
## 42.09	0.00000000	0.00000000	0.00000000	0.00000000
## 42.11	0.00000000	0.00000000	0.00000000	0.00000000
## 42.27	0.00000000	0.00000000	0.00000000	0.00000000
## 42.4	0.00000000	0.00000000	0.00000000	0.00000000
## 42.45	0.00000000	0.00000000	0.00000000	0.00000000
## 42.47	0.00000000	0.00000000	0.00000000	0.00000000
## 42.5	0.00000000	0.40000000	0.00000000	0.00000000
## 42.51	0.00000000	0.00000000	0.00000000	1.00000000
## 42.62	0.00000000	0.00000000	0.00000000	0.00000000
## 42.63	0.00000000	0.00000000	0.00000000	0.00000000
## 42.79	0.00000000	0.50000000	0.00000000	0.00000000
## 42.8	0.00000000	0.00000000	0.00000000	0.50000000
## 42.89	0.00000000	0.20000000	0.00000000	0.26666667
## 42.9	0.00000000	0.33333333	0.00000000	0.00000000
## 42.94	0.00000000	1.00000000	0.00000000	0.00000000
## 42.95	0.00000000	0.25000000	0.00000000	0.25000000
## 42.99	0.00000000	0.00000000	0.00000000	0.00000000
## 43	0.00000000	0.25000000	0.00000000	0.00000000
## 43.16	0.00000000	1.00000000	0.00000000	0.00000000
## 43.17	0.00000000	1.00000000	0.00000000	0.00000000
## 43.28	0.00000000	1.00000000	0.00000000	0.00000000
## 43.39	0.00000000	1.00000000	0.00000000	0.00000000
## 43.43	0.00000000	0.00000000	0.00000000	1.00000000
## 43.5	0.00000000	0.00000000	0.00000000	0.33333333
## 43.55	0.00000000	0.00000000	0.00000000	0.00000000
## 43.6	0.00000000	0.00000000	0.00000000	0.00000000
## 43.61	0.00000000	0.00000000	0.00000000	0.00000000
## 43.65	0.00000000	0.66666667	0.00000000	0.00000000
## 43.69	0.00000000	0.00000000	0.00000000	0.00000000
## 43.7	0.00000000	0.00000000	0.00000000	0.00000000
## 43.77	0.00000000	0.20000000	0.00000000	0.40000000

## 43.8	0.00000000	0.00000000	0.00000000	0.00000000
## 43.82	0.00000000	0.75000000	0.00000000	0.00000000
## 43.83	0.00000000	1.00000000	0.00000000	0.00000000
## 43.85	0.00000000	1.00000000	0.00000000	0.00000000
## 43.87	0.00000000	0.37500000	0.00000000	0.00000000
## 43.9	0.00000000	0.33333333	0.00000000	0.00000000
## 43.95	0.00000000	1.00000000	0.00000000	0.00000000
## 43.99	0.00000000	0.00000000	0.00000000	0.00000000
## 44	0.00000000	0.20000000	0.00000000	0.20000000
## 44.11	0.00000000	1.00000000	0.00000000	0.00000000
## 44.28	0.00000000	0.00000000	0.00000000	0.00000000
## 44.47	0.00000000	0.00000000	0.00000000	0.00000000
## 44.5	0.00000000	0.00000000	0.00000000	0.00000000
## 44.52	0.00000000	0.00000000	0.00000000	0.00000000
## 44.57	0.00000000	0.33333333	0.00000000	0.00000000
## 44.59	0.00000000	1.00000000	0.00000000	0.00000000
## 44.61	0.00000000	0.00000000	0.00000000	0.00000000
## 44.62	0.00000000	1.00000000	0.00000000	0.00000000
## 44.73	0.00000000	0.00000000	0.00000000	0.00000000
## 44.74	0.00000000	0.00000000	0.00000000	0.00000000
## 44.75	0.00000000	1.00000000	0.00000000	0.00000000
## 44.79	0.00000000	1.00000000	0.00000000	0.00000000
## 44.8	0.00000000	0.00000000	0.00000000	1.00000000
## 44.84	0.00000000	1.00000000	0.00000000	0.00000000
## 44.85	0.00000000	0.33333333	0.00000000	0.33333333
## 44.9	0.00000000	0.16666667	0.00000000	0.00000000
## 44.91	0.00000000	0.00000000	0.00000000	0.50000000
## 44.95	0.00000000	0.60000000	0.00000000	0.40000000
## 44.96	0.00000000	1.00000000	0.00000000	0.00000000
## 44.99	0.00000000	0.00000000	0.00000000	0.00000000
## 45	0.00000000	0.21052632	0.00000000	0.10526316
## 45.26	0.00000000	0.00000000	0.00000000	0.00000000
## 45.28	0.00000000	0.00000000	0.00000000	0.00000000
## 45.29	0.00000000	1.00000000	0.00000000	0.00000000
## 45.5	0.00000000	1.00000000	0.00000000	0.00000000
## 45.59	0.00000000	0.00000000	0.00000000	0.00000000
## 45.6	0.00000000	0.00000000	0.00000000	0.00000000
## 45.69	0.00000000	0.00000000	0.00000000	0.00000000
## 45.72	0.00000000	0.00000000	0.00000000	0.00000000
## 45.74	0.00000000	0.00000000	0.00000000	0.00000000
## 45.77	0.00000000	0.00000000	0.00000000	0.33333333
## 45.84	0.00000000	0.00000000	0.00000000	0.50000000
## 45.9	0.00000000	0.33333333	0.00000000	0.00000000
## 45.95	0.00000000	0.40000000	0.00000000	0.20000000
## 46	0.00000000	0.50000000	0.00000000	0.25000000
## 46.21	0.00000000	1.00000000	0.00000000	0.00000000
## 46.29	0.00000000	0.00000000	0.00000000	0.00000000
## 46.3	0.00000000	0.33333333	0.00000000	0.00000000
## 46.32	0.00000000	0.00000000	0.00000000	0.00000000
## 46.34	0.00000000	0.00000000	0.00000000	0.00000000
## 46.4	0.00000000	0.00000000	0.00000000	1.00000000
## 46.41	0.00000000	0.00000000	0.00000000	1.00000000
## 46.46	0.00000000	0.00000000	0.00000000	0.00000000
## 46.5	0.00000000	0.60000000	0.00000000	0.00000000

## 46.6	0.00000000	0.00000000	0.00000000	0.00000000
## 46.64	0.00000000	1.00000000	0.00000000	0.00000000
## 46.65	0.00000000	0.00000000	0.00000000	0.00000000
## 46.69	0.00000000	0.00000000	0.00000000	0.00000000
## 46.7	0.00000000	1.00000000	0.00000000	0.00000000
## 46.75	0.00000000	0.50000000	0.00000000	0.00000000
## 46.77	0.00000000	1.00000000	0.00000000	0.00000000
## 46.79	0.00000000	0.68750000	0.00000000	0.06250000
## 46.84	0.00000000	1.00000000	0.00000000	0.00000000
## 46.88	0.00000000	0.00000000	0.00000000	1.00000000
## 46.9	0.00000000	0.00000000	0.00000000	0.00000000
## 46.95	0.00000000	0.66666667	0.00000000	0.00000000
## 47	0.00000000	0.00000000	0.00000000	0.00000000
## 47.2	0.00000000	1.00000000	0.00000000	0.00000000
## 47.4	0.00000000	0.00000000	0.00000000	0.00000000
## 47.5	0.00000000	0.50000000	0.00000000	0.00000000
## 47.52	0.00000000	1.00000000	0.00000000	0.00000000
## 47.53	0.00000000	0.25000000	0.00000000	0.00000000
## 47.69	0.00000000	0.00000000	0.00000000	0.00000000
## 47.76	0.00000000	0.00000000	0.00000000	1.00000000
## 47.77	0.00000000	0.50000000	0.00000000	0.00000000
## 47.87	0.00000000	0.00000000	0.00000000	0.00000000
## 47.9	0.00000000	1.00000000	0.00000000	0.00000000
## 47.95	0.00000000	0.60000000	0.00000000	0.20000000
## 47.98	0.00000000	0.00000000	0.00000000	0.00000000
## 47.99	0.00000000	0.00000000	0.00000000	0.33333333
## 48.02	0.00000000	0.00000000	0.00000000	0.00000000
## 48.06	0.00000000	0.00000000	0.00000000	0.00000000
## 48.09	0.00000000	1.00000000	0.00000000	0.00000000
## 48.1	0.00000000	1.00000000	0.00000000	0.00000000
## 48.25	0.00000000	1.00000000	0.00000000	0.00000000
## 48.26	0.00000000	0.00000000	0.00000000	0.00000000
## 48.31	0.00000000	0.00000000	0.00000000	0.00000000
## 48.32	0.00000000	1.00000000	0.00000000	0.00000000
## 48.37	0.00000000	0.00000000	0.00000000	0.00000000
## 48.4	0.00000000	0.00000000	0.00000000	0.00000000
## 48.43	0.00000000	0.66666667	0.00000000	0.00000000
## 48.45	0.00000000	0.33333333	0.00000000	0.00000000
## 48.5	0.00000000	1.00000000	0.00000000	0.00000000
## 48.54	0.00000000	0.66666667	0.00000000	0.00000000
## 48.55	0.00000000	0.50000000	0.00000000	0.00000000
## 48.6	0.00000000	0.00000000	0.00000000	0.00000000
## 48.64	0.00000000	0.53846154	0.00000000	0.07692308
## 48.69	0.00000000	0.00000000	0.00000000	0.00000000
## 48.74	0.00000000	0.00000000	0.00000000	0.00000000
## 48.76	0.00000000	0.50000000	0.00000000	0.00000000
## 48.79	0.00000000	1.00000000	0.00000000	0.00000000
## 48.9	0.00000000	0.33333333	0.00000000	0.00000000
## 48.95	0.00000000	1.00000000	0.00000000	0.00000000
## 49	0.00000000	0.08333333	0.00000000	0.33333333
## 49.02	0.00000000	0.00000000	0.00000000	0.00000000
## 49.09	0.00000000	0.00000000	0.00000000	0.00000000
## 49.37	0.00000000	1.00000000	0.00000000	0.00000000
## 49.47	0.00000000	0.00000000	0.00000000	0.00000000

## 49.5	0.00000000	0.60000000	0.00000000	0.00000000	
## 49.55	0.00000000	1.00000000	0.00000000	0.00000000	
## 49.6	0.00000000	0.00000000	0.00000000	0.00000000	
## 49.75	0.00000000	0.00000000	0.00000000	0.00000000	
## 49.76	0.00000000	1.00000000	0.00000000	0.00000000	
## 49.77	0.00000000	1.00000000	0.00000000	0.00000000	
## 49.88	0.00000000	0.50000000	0.00000000	0.00000000	
## 49.9	0.00000000	0.40000000	0.00000000	0.00000000	
## 49.95	0.00000000	0.82352941	0.00000000	0.00000000	
## 49.98	0.00000000	0.00000000	0.00000000	0.00000000	
## 49.99	0.00000000	1.00000000	0.00000000	0.00000000	
## 50	0.00000000	0.00000000	0.00000000	1.00000000	
## 50.09	0.00000000	0.00000000	0.00000000	0.00000000	
## 50.11	0.00000000	0.00000000	0.00000000	0.00000000	
## 50.19	0.00000000	0.00000000	0.00000000	0.00000000	
## 50.33	0.00000000	0.00000000	0.00000000	0.00000000	
## 50.43	0.00000000	0.00000000	0.00000000	0.00000000	
## 50.47	0.00000000	0.00000000	0.00000000	0.00000000	
## 50.56	0.00000000	0.00000000	0.00000000	0.00000000	
## 50.6	0.00000000	0.00000000	0.00000000	0.00000000	
## 50.67	0.00000000	0.00000000	0.00000000	0.00000000	
## 50.69	0.00000000	0.75000000	0.00000000	0.00000000	
## 50.85	0.00000000	0.00000000	0.00000000	0.00000000	
## 50.9	0.00000000	1.00000000	0.00000000	0.00000000	
## 50.95	0.00000000	1.00000000	0.00000000	0.00000000	
## 51.15	0.00000000	0.00000000	0.00000000	0.00000000	
##	CountryGreece	CountryHungary	CountryIsrael	CountryItaly	CountryLebanon
## 3.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 3.7	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 3.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 3.75	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 3.79	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 3.95	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 3.99	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 4	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 4.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 4.16	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 4.25	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 4.28	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 4.29	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 4.3	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 4.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 4.38	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 4.4	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 4.44	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 4.45	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 4.5	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 4.55	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 4.57	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 4.6	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 4.63	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 4.65	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 4.66	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 4.67	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000

[illegible]

## 5.6	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 5.61	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.62	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.63	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.64	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.65	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 5.68	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 5.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.7	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.71	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.72	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 5.74	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000
## 5.75	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 5.76	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 5.77	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 5.79	0.00000000	0.00000000	0.00000000	0.27777778	0.00000000
## 5.8	0.00000000	0.00000000	0.00000000	0.23076923	0.00000000
## 5.81	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 5.82	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 5.84	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 5.85	0.00000000	0.00000000	0.00000000	0.60000000	0.00000000
## 5.89	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 5.9	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 5.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.95	0.00000000	0.00000000	0.00000000	0.24242424	0.00000000
## 5.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.99	0.00000000	0.00000000	0.00000000	0.15789474	0.00000000
## 6	0.00000000	0.00000000	0.00000000	0.27272727	0.00000000
## 6.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.03	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.05	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000
## 6.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.1	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.12	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.13	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.15	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 6.16	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.19	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.2	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 6.21	0.00000000	0.00000000	0.00000000	0.08333333	0.00000000
## 6.23	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.24	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.25	0.00000000	0.00000000	0.00000000	0.54545455	0.00000000
## 6.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.29	0.00000000	0.00000000	0.00000000	0.12500000	0.00000000
## 6.3	0.00000000	0.00000000	0.0000000		

## 6.42	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.43	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 6.44	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 6.45	0.00000000	0.00000000	0.00000000	0.55555556	0.00000000
## 6.49	0.00000000	0.00000000	0.00000000	0.30000000	0.00000000
## 6.5	0.00000000	0.00000000	0.00000000	0.22727273	0.00000000
## 6.51	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.53	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.54	0.00000000	0.00000000	0.00000000	0.44444444	0.00000000
## 6.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.57	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.58	0.00000000	0.00000000	0.00000000	0.55555556	0.00000000
## 6.59	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.6	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.61	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.62	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 6.63	0.00000000	0.00000000	0.00000000	0.12500000	0.00000000
## 6.64	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.65	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.66	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.68	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.69	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 6.7	0.00000000	0.00000000	0.00000000	0.44444444	0.00000000
## 6.72	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.73	0.00000000	0.00000000	0.00000000	0.29166667	0.00000000
## 6.75	0.00000000	0.00000000	0.00000000	0.34782609	0.00000000
## 6.77	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
## 6.78	0.00000000	0.00000000	0.00000000	0.42857143	0.00000000
## 6.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.8	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 6.81	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 6.83	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 6.84	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.85	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 6.86	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.88	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.89	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
## 6.9	0.00000000	0.00000000	0.00000000	0.46666667	0.00000000
## 6.92	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.93	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.95	0.00000000	0.00000000	0.00000000	0.37500000	0.00000000
## 6.96	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.97	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
## 6.99	0.00000000	0.00000000	0.00000000	0.21052632	0.00000000
## 7	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
## 7.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.04	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.05	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.06	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.08	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.1	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 7.13	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000

## 7.15	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.18	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.19	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
## 7.2	0.08333333	0.00000000	0.00000000	0.25000000	0.00000000
## 7.21	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.22	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.23	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.24	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.25	0.00000000	0.00000000	0.00000000	0.83333333	0.00000000
## 7.26	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
## 7.27	0.00000000	0.00000000	0.00000000	0.15384615	0.00000000
## 7.28	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.29	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 7.3	0.00000000	0.00000000	0.00000000	0.44444444	0.00000000
## 7.31	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 7.32	0.00000000	0.00000000	0.00000000	0.12500000	0.00000000
## 7.34	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.36	0.00000000	0.00000000	0.00000000	0.07692308	0.00000000
## 7.37	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.39	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.4	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 7.41	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.42	0.00000000	0.00000000	0.00000000	0.85714286	0.00000000
## 7.44	0.00000000	0.00000000	0.00000000	0.09090909	0.00000000
## 7.45	0.00000000	0.00000000	0.00000000	0.26315789	0.00000000
## 7.47	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.48	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.49	0.00000000	0.00000000	0.00000000	0.42857143	0.00000000
## 7.5	0.00000000	0.00000000	0.00000000	0.22222222	0.00000000
## 7.51	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.52	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 7.53	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.55	0.00000000	0.00000000	0.00000000	0.75000000	0.00000000
## 7.58	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.59	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.6	0.00000000	0.00000000	0.00000000	0.29411765	0.00000000
## 7.63	0.00000000	0.00000000	0.00000000	0.22222222	0.00000000
## 7.64	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.65	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.66	0.00000000	0.16666667	0.00000000	0.27777778	0.00000000
## 7.67	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.69	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000
## 7.7	0.00000000	0.00000000	0.00000000	0.21428571	0.00000000
## 7.71	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.72	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.73	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.75	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 7.77	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 7.78	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.79	0.00000000	0.00000000	0.00000000	0.30000000	0.00000000
## 7.8	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.81	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 7.83	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.84	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.85	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
## 7.87	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.88	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.89	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 7.9	0.00000000	0.00000000	0.00000000	0.42857143	0.00000000
## 7.93	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.95	0.00000000	0.00000000	0.00000000	0.23684211	0.00000000
## 7.96	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.99	0.00000000	0.00000000	0.00000000	0.29411765	0.00000000
## 8	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 8.04	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.07	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.09	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 8.1	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 8.11	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 8.14	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 8.15	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 8.16	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.17	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 8.18	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.19	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 8.2	0.00000000	0.00000000	0.00000000	0.37500000	0.00000000
## 8.21	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 8.22	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.24	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 8.25	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 8.27	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 8.28	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 8.29	0.00000000	0.00000000	0.00000000	0.22727273	0.00000000
## 8.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.32	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000
## 8.33	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 8.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.36	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 8.37	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 8.38	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.4	0.00000000	0.00000000	0.00000000	0.52380952	0.00000000
## 8.41	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.43	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 8.44	0.00000000	0.00000000	0.00000000	0.75000000	0.00000000
## 8.45	0.00000000	0.00000000	0.00000000	0.22727273	0.00000000
## 8.47	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.48	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 8.49	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 8.5	0.00000000	0.00000000	0.00000000	0.28260870	0.00000000
## 8.52	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 8.53	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 8.54	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.56	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

[illegible]

## 9.24	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 9.25	0.00000000	0.00000000	0.00000000	0.23076923	0.00000000
## 9.26	0.00000000	0.00000000	0.00000000	0.25806452	0.00000000
## 9.28	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.29	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.3	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 9.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.34	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.36	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.37	0.00000000	0.00000000	0.00000000	0.30000000	0.00000000
## 9.39	0.00000000	0.00000000	0.00000000	0.36363636	0.00000000
## 9.4	0.00000000	0.00000000	0.00000000	0.46153846	0.00000000
## 9.42	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 9.44	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.45	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 9.46	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 9.48	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.49	0.00000000	0.00000000	0.00000000	0.22222222	0.00000000
## 9.5	0.01149425	0.01149425	0.00000000	0.29885057	0.00000000
## 9.51	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.52	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 9.53	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.54	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.56	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 9.57	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.59	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 9.6	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 9.61	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 9.62	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 9.64	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.65	0.00000000	0.00000000	0.00000000	0.29268293	0.00000000
## 9.66	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 9.68	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 9.69	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 9.7	0.07407407	0.00000000	0.00000000	0.14814815	0.00000000
## 9.72	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.73	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 9.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.75	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 9.76	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 9.78	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 9.79	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 9.8	0.00000000	0.00000000	0.00000000	0.37500000	0.00000000
## 9.82	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 9.83	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 9.85	0.00000000	0.00000000	0.00000000	0.10000000	0.00000000
## 9.88	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.89	0.00000000	0.00000000	0.00000000	0.44444444	0.00000000
## 9.9	0.00000000	0.00000000	0.00000000	0.27173913	0.00000000
## 9.91	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.95	0.00000000	0.00000000	0.01960784	0.27450980	0.00000000

## 9.98	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 9.99	0.00000000	0.00000000	0.00000000	0.22500000	0.00000000
## 10	0.00000000	0.00000000	0.00000000	0.07142857	0.00000000
## 10.01	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.04	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 10.08	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.09	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 10.1	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 10.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.15	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 10.18	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 10.19	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 10.21	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 10.23	0.00000000	0.00000000	0.00000000	0.44444444	0.00000000
## 10.24	0.00000000	0.00000000	0.00000000	0.60000000	0.00000000
## 10.25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.27	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 10.28	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 10.29	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 10.3	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 10.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.32	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.35	0.00000000	0.00000000	0.00000000	0.36363636	0.00000000
## 10.38	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.4	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 10.41	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 10.42	0.00000000	0.00000000	0.00000000	0.30769231	0.00000000
## 10.43	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 10.45	0.00000000	0.00000000	0.00000000	0.22222222	0.00000000
## 10.46	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 10.47	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 10.49	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 10.5	0.00000000	0.00000000	0.02127660	0.31914894	0.00000000
## 10.51	0.00000000	0.00000000	0.00000000	0.09090909	0.00000000
## 10.52	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 10.53	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.54	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 10.56	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 10.57	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 10.59	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 10.6	0.00000000	0.00000000	0.00000000	0.15384615	0.00000000
## 10.62	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 10.63	0.00000000	0.00000000	0.00000000	0.18750000	0.00000000
## 10.65	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.66	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 10.67	0.00000000	0.00000000	0.00000000	0.30000000	0.00000000
## 10.68	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 10.69	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 10.7	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 10.71	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 10.72	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 10.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

##	10.75	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	10.79	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	10.8	0.00000000	0.00000000	0.00000000	0.22222222	0.00000000
##	10.82	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	10.84	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
##	10.85	0.00000000	0.00000000	0.00000000	0.60000000	0.00000000
##	10.86	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	10.88	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	10.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	10.9	0.00000000	0.00000000	0.00000000	0.31147541	0.00000000
##	10.91	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
##	10.92	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
##	10.93	0.00000000	0.00000000	0.00000000	0.36363636	0.00000000
##	10.94	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	10.95	0.00000000	0.00000000	0.00000000	0.34615385	0.00000000
##	10.96	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	10.97	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	10.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	10.99	0.00000000	0.00000000	0.00000000	0.52631579	0.00000000
##	11	0.00000000	0.00000000	0.00000000	0.60000000	0.00000000
##	11.01	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	11.02	0.00000000	0.00000000	0.00000000	0.18181818	0.00000000
##	11.04	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	11.05	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
##	11.06	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	11.07	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	11.08	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	11.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	11.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	11.13	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	11.15	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
##	11.16	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	11.17	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	11.18	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	11.19	0.00000000	0.00000000	0.00000000	0.10000000	0.00000000
##	11.2	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
##	11.21	0.00000000	0.00000000	0.00000000	0.47058824	0.00000000
##	11.23	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	11.25	0.00000000	0.14285714	0.00000000	0.14285714	0.00000000
##	11.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	11.27	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	11.3	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	11.31	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
##	11.35</					

## 11.5	0.01851852	0.00000000	0.00000000	0.24074074	0.00000000
## 11.51	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 11.54	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 11.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.56	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.59	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 11.6	0.00000000	0.00000000	0.00000000	0.39393939	0.00000000
## 11.61	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 11.62	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.63	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.64	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 11.65	0.00000000	0.00000000	0.00000000	0.18750000	0.00000000
## 11.67	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.7	0.00000000	0.09090909	0.09090909	0.09090909	0.00000000
## 11.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.75	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.76	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.8	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.82	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 11.85	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 11.86	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 11.89	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 11.9	0.00000000	0.00000000	0.01785714	0.39285714	0.00000000
## 11.92	0.00000000	0.00000000	0.00000000	0.71428571	0.00000000
## 11.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.95	0.00000000	0.02702703	0.00000000	0.29729730	0.00000000
## 11.98	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 11.99	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 12.03	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 12.05	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.06	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.08	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.09	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.1	0.00000000	0.00000000	0.12500000	0.37500000	0.00000000
## 12.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.12	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 12.13	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.14	0.00000000	0.00000000	0.30769231	0.23076923	0.00000000
## 12.18	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 12.19	0.00000000	0.00000000	0.00000000	0.18750000	0.00000000
## 12.2	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 12.21	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.23	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.25	0.08333333	0.00000000	0.00000000	0.33333333	0.00000000
## 12.28	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 12.3	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 12.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.32	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.33	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.37	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.38	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

##	12.4	0.00000000	0.00000000	0.00000000	0.22222222	0.00000000
##	12.41	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.42	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.43	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.45	0.00000000	0.00000000	0.00000000	0.37500000	0.00000000
##	12.46	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.48	0.00000000	0.00000000	0.00000000	0.30769231	0.00000000
##	12.49	0.03703704	0.00000000	0.00000000	0.29629630	0.00000000
##	12.5	0.00000000	0.00000000	0.00000000	0.12195122	0.00000000
##	12.51	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
##	12.52	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.53	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	12.55	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
##	12.56	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	12.57	0.00000000	0.00000000	0.00000000	0.17647059	0.00000000
##	12.58	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	12.59	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.6	0.00000000	0.05555556	0.00000000	0.38888889	0.00000000
##	12.62	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
##	12.63	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	12.65	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	12.66	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.67	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.69	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
##	12.7	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	12.75	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	12.77	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.78	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.79	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
##	12.8	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
##	12.81	0.00000000	0.00000000	0.16666667	0.00000000	0.00000000
##	12.83	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.85	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
##	12.86	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.87	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.89	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
##	12.9	0.00000000	0.00000000	0.00000000	0.36538462	0.00000000
##	12.92	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.95	0.00000000	0.00000000	0.00000000	0.28000000	0.00000000
##	12.96	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	12.99	0.00000000	0.00000000	0.00000000	0.42857143	0.00000000
##	13					

## 13.2	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.21	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 13.24	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.25	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 13.26	0.00000000	0.00000000	0.00000000	0.11111111	0.00000000
## 13.27	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.29	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.3	0.20000000	0.00000000	0.00000000	0.20000000	0.00000000
## 13.33	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 13.34	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.36	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.37	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 13.38	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 13.39	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 13.4	0.00000000	0.00000000	0.00000000	0.57142857	0.00000000
## 13.41	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.42	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 13.43	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.44	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 13.45	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000
## 13.47	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 13.48	0.00000000	0.00000000	0.00000000	0.42857143	0.00000000
## 13.49	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 13.5	0.02439024	0.02439024	0.00000000	0.24390244	0.00000000
## 13.52	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.53	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 13.54	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 13.55	0.00000000	0.00000000	0.00000000	0.21739130	0.00000000
## 13.57	0.00000000	0.00000000	0.00000000	0.30000000	0.00000000
## 13.58	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 13.6	0.00000000	0.04761905	0.00000000	0.23809524	0.00000000
## 13.61	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.64	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 13.65	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.68	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 13.69	0.00000000	0.00000000	0.00000000	0.10000000	0.00000000
## 13.7	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.71	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 13.75	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.76	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 13.78	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 13.79	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 13.8	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 13.82	0.00000000	0.00000000	0.12500000	0.37500000	0.00000000
## 13.83	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.84	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.85	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.89	0.00000000	0.00000000	0.00000000	0.75000000	0.00000000
## 13.9	0.00000000	0.02325581	0.00000000	0.23255814	0.00000000
## 13.91	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.93	0.00000000	0.00000000	0.00000000	0.75000000	0.00000000
## 13.95	0.02941176	0.00000000	0.00000000	0.29411765	0.00000000
## 13.97	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000

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## 14.83	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.84	0.00000000	0.00000000	0.00000000	0.75000000	0.00000000
## 14.85	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 14.87	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 14.89	0.00000000	0.00000000	0.00000000	0.12500000	0.00000000
## 14.9	0.00000000	0.00000000	0.01694915	0.20338983	0.00000000
## 14.92	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.94	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 14.95	0.00000000	0.00000000	0.00000000	0.21428571	0.00000000
## 14.99	0.00000000	0.00000000	0.00000000	0.27777778	0.00000000
## 15	0.00000000	0.00000000	0.00000000	0.09090909	0.00000000
## 15.01	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 15.03	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.04	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.05	0.00000000	0.00000000	0.25000000	0.50000000	0.00000000
## 15.08	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.1	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 15.11	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 15.13	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.16	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 15.18	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.19	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.2	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 15.23	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.27	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.28	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.3	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 15.33	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.37	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.38	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 15.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.4	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 15.42	0.00000000	0.00000000	0.00000000	0.80000000	0.00000000
## 15.45	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.47	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.48	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.49	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 15.5	0.00000000	0.00000000	0.00000000	0.21568627	0.00000000
## 15.51	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.54	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.55	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 15.59	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 15					

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## 18.75	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 18.79	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000
## 18.8	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 18.81	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 18.83	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.84	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 18.85	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 18.86	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 18.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.9	0.00000000	0.02040816	0.00000000	0.32653061	0.00000000
## 18.92	0.00000000	0.00000000	0.00000000	0.75000000	0.00000000
## 18.93	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.94	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 18.95	0.00000000	0.00000000	0.00000000	0.15789474	0.00000000
## 18.97	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 18.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.99	0.00000000	0.00000000	0.00000000	0.37500000	0.00000000
## 19	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.01	0.00000000	0.00000000	0.00000000	0.22222222	0.00000000
## 19.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.05	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.07	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 19.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.2	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.24	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.25	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 19.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.29	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 19.3	0.05000000	0.00000000	0.00000000	0.30000000	0.00000000
## 19.31	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 19.35	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 19.37	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 19.39	0.00000000	0.00000000	0.00000000	0.57142857	0.00000000
## 19.4	0.00000000	0.00000000	0.00000000	0.34482759	0.03448276
## 19.42	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 19.43	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.44	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.45	0.00000000	0.00000000	0.00000000	0.22727273	0.00000000
## 19.47	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 19.48	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 19.49	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 19.5	0.00000000	0.00000000	0.00000000	0.36000000	0.00000000
## 19.53	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.58	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.6	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.65	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 19.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.7	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 19.72	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.75	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 19.77	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 19.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.8	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.82	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000

##	19.85	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	19.86	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	19.87	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
##	19.88	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	19.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	19.9	0.00000000	0.01818182	0.00000000	0.25454545	0.00000000
##	19.91	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	19.95	0.00000000	0.00000000	0.00000000	0.18181818	0.00000000
##	19.98	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	19.99	0.00000000	0.00000000	0.00000000	0.23809524	0.00000000
##	20	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.09	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	20.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.19	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.2	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	20.25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.27	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	20.28	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.29	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	20.32	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	20.36	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.37	0.00000000	0.00000000	0.00000000	0.80000000	0.00000000
##	20.4	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	20.42	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.43	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.47	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.5	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
##	20.53	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
##	20.54	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
##	20.65	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
##	20.67	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.75	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
##	20.76	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.81	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.84	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.85	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	20.86	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
##	20.88	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.89	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	20.9	0.00000000	0.00000000	0.00000000	0.52631579	0.00000000
##	20.93	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	20.95	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	20.96					

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[illegible]

[illegible]

## 26.48	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.5	0.00000000	0.00000000	0.00000000	0.41666667	0.00000000
## 26.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.61	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.66	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.7	0.00000000	0.00000000	0.00000000	0.22222222	0.00000000
## 26.77	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 26.8	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 26.81	0.00000000	0.00000000	0.00000000	0.42857143	0.00000000
## 26.85	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.89	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 26.9	0.00000000	0.00000000	0.00000000	0.42105263	0.00000000
## 26.92	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 26.95	0.16666667	0.00000000	0.00000000	0.16666667	0.00000000
## 26.99	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 27	0.00000000	0.00000000	0.00000000	0.11111111	0.00000000
## 27.04	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.06	0.00000000	0.00000000	0.00000000	0.60000000	0.00000000
## 27.09	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.1	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 27.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.13	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.15	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000
## 27.2	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 27.25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.27	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.28	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.29	0.00000000	0.00000000	0.00000000	0.22222222	0.00000000
## 27.3	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.32	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 27.36	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.4	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.43	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.5	0.00000000	0.00000000	0.00000000	0.21428571	0.00000000
## 27.59	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.6	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.65	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.68	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.71	0.00000000	0.00000000	0.25000000	0.00000000	0.00000000
## 27.75	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 27.78	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 27.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.82</					

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[illegible]

[illegible]

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## 37.73	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 37.79	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 37.82	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 37.83	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 37.85	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 37.9	0.00000000	0.00000000	0.00000000	0.41666667	0.00000000
## 37.92	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 37.95	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 37.97	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 37.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 37.99	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 38.01	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
## 38.02	0.00000000	0.00000000	0.00000000	0.36363636	0.00000000
## 38.09	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 38.3	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 38.41	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38.5	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
## 38.54	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 38.56	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38.57	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38.6	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 38.69	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 38.7	0.00000000	0.00000000	0.00000000	0.85714286	0.00000000
## 38.75	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38.8	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 38.89	0.00000000	0.00000000	0.00000000	0.36363636	0.00000000
## 38.9	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 38.91	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38.94	0.00000000	0.00000000	0.00000000	0.09090909	0.00000000
## 38.95	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38.96	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 38.99	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 39	0.00000000	0.00000000	0.00000000	0.30000000	0.00000000
## 39.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 39.19	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 39.47	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 39.48	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 39.5	0.00000000	0.00000000	0.00000000	0.44444444	0.00000000
## 39.58	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 39.69	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 39.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 39.87	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 39.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 39.9					

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[illegible]

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## 48.5	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 48.54	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 48.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 48.6	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 48.64	0.00000000	0.00000000	0.00000000	0.30769231	0.07692308
## 48.69	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 48.74	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 48.76	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 48.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 48.9	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 48.95	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 49.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.37	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.47	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.5	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 49.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.6	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.75	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.76	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.77	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.88	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 49.9	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 49.95	0.00000000	0.00000000	0.00000000	0.17647059	0.00000000
## 49.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.99	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50.19	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50.33	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50.43	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 50.47	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50.56	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50.6	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 50.67	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 50.69	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 50.85	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 50.9	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50.95	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 51.15	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	CountryLuxembourg	CountryMexico	CountryMoldova	CountryNew Zealand	
## 3.55	0.00000000	0.00	0.00000000	0.00000000	
## 3.7	0.00000000	0.00	0.00000000	0.00000000	
## 3.74	0.00000000	0.00	0.00000000	0.00000000	
## 3.75	0.00000000	0.00	0.00000000	0.00000000	
## 3.79	0.00000000	0.00	0.00000000	0.00000000	
## 3.95	0.00000000	0.00	0.00000000	0.00000000	
## 3.99	0.00000000	0.00	0.00000000	0.00000000	
## 4	0.00000000	0.00	0.00000000	0.00000000	
## 4.15	0.00000000	0.00	0.00000000	0.00000000	
## 4.16	0.00000000	0.00	0.00000000	0.00000000	
## 4.25	0.00000000	0.00	0.00000000	0.00000000	

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## 10.54	0.0000000	0.00	0.0000000	0.00000000
## 10.56	0.0000000	0.00	0.0000000	0.00000000
## 10.57	0.0000000	0.00	0.0000000	0.00000000
## 10.59	0.0000000	0.00	0.0000000	0.00000000
## 10.6	0.0000000	0.00	0.0000000	0.07692308
## 10.62	0.0000000	0.00	0.0000000	0.00000000
## 10.63	0.0000000	0.00	0.0000000	0.06250000
## 10.65	0.0000000	0.00	0.0000000	0.00000000
## 10.66	0.0000000	0.00	0.0000000	0.10000000
## 10.67	0.0000000	0.00	0.0000000	0.00000000
## 10.68	0.0000000	0.00	0.0000000	0.00000000
## 10.69	0.0000000	0.00	0.0000000	0.00000000
## 10.7	0.0000000	0.00	0.0000000	0.00000000
## 10.71	0.0000000	0.00	0.0000000	0.00000000
## 10.72	0.0000000	0.00	0.0000000	0.00000000
## 10.74	0.0000000	0.00	0.0000000	0.00000000
## 10.75	0.0000000	0.00	0.0000000	0.00000000
## 10.79	0.0000000	0.00	0.0000000	0.00000000
## 10.8	0.0000000	0.00	0.0000000	0.00000000
## 10.82	0.0000000	0.00	0.0000000	0.00000000
## 10.84	0.0000000	0.00	0.0000000	0.00000000
## 10.85	0.0000000	0.00	0.0000000	0.00000000
## 10.86	0.0000000	0.00	0.0000000	0.00000000
## 10.88	0.0000000	0.00	0.0000000	0.00000000
## 10.89	0.0000000	0.00	0.0000000	0.00000000
## 10.9	0.0000000	0.00	0.0000000	0.03278689
## 10.91	0.0000000	0.00	0.0000000	0.00000000
## 10.92	0.0000000	0.00	0.0000000	0.00000000
## 10.93	0.0000000	0.00	0.0000000	0.00000000
## 10.94	0.0000000	0.00	0.0000000	0.00000000
## 10.95	0.0000000	0.00	0.0000000	0.11538462
## 10.96	0.0000000	0.00	0.0000000	0.00000000
## 10.97	0.0000000	0.00	0.0000000	0.00000000
## 10.98	0.0000000	0.00	1.0000000	0.00000000
## 10.99	0.0000000	0.00	0.0000000	0.00000000
## 11	0.0000000	0.00	0.0000000	0.00000000
## 11.01	0.0000000	0.00	0.0000000	0.00000000
## 11.02	0.0000000	0.00	0.0000000	0.09090909
## 11.04	0.0000000	0.00	0.0000000	1.00000000
## 11.05	0.0000000	0.00	0.0000000	0.00000000
## 11.06	0.0000000	0.00	0.0000000	0.00000000
## 11.07	0.0000000	0.00	0.0000000	0.00000000
## 11.08	0.0000000	0.00	0.0000000	1.00000000
## 11.09	0.0000000	0.00	0.0000000	0.00000000
## 11.11	0.0000000	0.00	0.0000000	0.00000000
## 11.13	0.0000000	0.00	0.0000000	0.00000000
## 11.15	0.0000000	0.00	0.0000000	0.00000000
## 11.16	0.0000000	0.00	0.0000000	0.00000000
## 11.17	0.0000000	0.00	0.0000000	0.00000000
## 11.18	0.0000000	0.00	0.0000000	0.00000000
## 11.19	0.0000000	0.00	0.0000000	0.00000000
## 11.2	0.0000000	0.00	0.0000000	0.00000000
## 11.21	0.0000000	0.00	0.0000000	0.00000000
## 11.23	0.0000000	0.00	0.0000000	0.00000000

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## 50.85	0.0000000	0.00	0.0000000	0.00000000
## 50.9	0.0000000	0.00	0.0000000	0.00000000
## 50.95	0.0000000	0.00	0.0000000	0.00000000
## 51.15	0.0000000	0.00	0.0000000	0.00000000
##	CountryPortugal	CountryRomania	CountrySlovakia	CountrySlovenia
## 3.55	0.00000000	0.00000000	0.00000000	0.00000000
## 3.7	0.00000000	0.00000000	0.00000000	0.00000000
## 3.74	0.00000000	0.00000000	0.00000000	0.00000000
## 3.75	0.00000000	0.00000000	0.00000000	0.00000000
## 3.79	0.00000000	0.00000000	0.00000000	0.00000000
## 3.95	0.00000000	0.00000000	0.00000000	0.00000000
## 3.99	0.00000000	0.00000000	0.00000000	0.00000000
## 4	0.00000000	0.00000000	0.00000000	0.00000000
## 4.15	0.00000000	0.00000000	0.00000000	0.00000000
## 4.16	0.00000000	0.00000000	0.00000000	0.00000000
## 4.25	0.00000000	0.00000000	0.00000000	0.00000000
## 4.28	0.00000000	0.00000000	0.00000000	0.00000000
## 4.29	0.00000000	0.00000000	0.00000000	0.00000000
## 4.3	0.00000000	0.00000000	0.00000000	0.00000000
## 4.31	0.00000000	0.00000000	0.00000000	0.00000000
## 4.38	0.00000000	0.00000000	0.00000000	0.00000000
## 4.4	0.00000000	0.00000000	0.00000000	0.00000000
## 4.44	0.00000000	0.00000000	0.00000000	0.00000000
## 4.45	0.00000000	0.00000000	0.00000000	0.00000000
## 4.5	0.00000000	0.00000000	0.00000000	0.00000000
## 4.55	0.00000000	0.00000000	0.00000000	0.00000000
## 4.57	0.00000000	0.00000000	0.00000000	0.00000000
## 4.6	0.00000000	0.00000000	0.00000000	0.00000000
## 4.63	0.00000000	0.00000000	0.00000000	0.00000000
## 4.65	0.00000000	0.00000000	0.00000000	0.00000000
## 4.66	0.00000000	0.00000000	0.00000000	0.00000000
## 4.67	0.00000000	0.00000000	0.00000000	0.00000000
## 4.7	0.00000000	0.00000000	0.00000000	0.00000000
## 4.73	0.00000000	0.00000000	0.00000000	0.00000000
## 4.74	0.00000000	0.00000000	0.00000000	0.00000000
## 4.75	0.16666667	0.00000000	0.00000000	0.00000000
## 4.76	0.00000000	0.00000000	0.00000000	0.00000000
## 4.78	0.00000000	0.00000000	0.00000000	0.00000000
## 4.79	0.00000000	0.00000000	0.00000000	0.00000000
## 4.8	0.33333333	0.00000000	0.00000000	0.00000000
## 4.82	0.00000000	0.00000000	0.00000000	0.00000000
## 4.83	0.00000000	0.00000000	0.00000000	0.00000000
## 4.84	0.00000000	0.00000000	0.00000000	0.00000000
## 4.85	0.50000000	0.00000000	0.00000000	0.00000000
## 4.86	0.00000000	0.00000000	0.00000000	0.00000000
## 4.89	0.25000000	0.00000000	0.00000000	0.00000000
## 4.9	0.00000000	0.00000000	0.00000000	0.00000000
## 4.92	0.50000000	0.00000000	0.00000000	0.00000000
## 4.94	0.00000000	0.00000000	0.00000000	0.00000000
## 4.95	0.16666667	0.00000000	0.00000000	0.00000000
## 4.99	0.14285714	0.00000000	0.00000000	0.00000000
## 5	0.00000000	0.00000000	0.00000000	0.00000000
## 5.02	0.00000000	0.00000000	0.00000000	0.00000000
## 5.03	0.00000000	0.00000000	0.00000000	0.00000000

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## 49.88	0.00000000	0.00000000	0.00000000	0.00000000
## 49.9	0.00000000	0.00000000	0.00000000	0.00000000
## 49.95	0.00000000	0.00000000	0.00000000	0.00000000
## 49.98	0.00000000	0.00000000	0.00000000	0.00000000
## 49.99	0.00000000	0.00000000	0.00000000	0.00000000
## 50	0.00000000	0.00000000	0.00000000	0.00000000
## 50.09	0.00000000	0.00000000	0.00000000	0.00000000
## 50.11	0.00000000	0.00000000	0.00000000	0.00000000
## 50.19	0.00000000	0.00000000	0.00000000	0.00000000
## 50.33	0.00000000	0.00000000	0.00000000	0.00000000
## 50.43	0.00000000	0.00000000	0.00000000	0.00000000
## 50.47	0.00000000	0.00000000	0.00000000	0.00000000
## 50.56	0.00000000	0.00000000	0.00000000	0.00000000
## 50.6	0.00000000	0.00000000	0.00000000	0.00000000
## 50.67	0.00000000	0.00000000	0.00000000	0.00000000
## 50.69	0.00000000	0.00000000	0.00000000	0.00000000
## 50.85	0.00000000	0.00000000	0.00000000	0.00000000
## 50.9	0.00000000	0.00000000	0.00000000	0.00000000
## 50.95	0.00000000	0.00000000	0.00000000	0.00000000
## 51.15	0.00000000	0.00000000	0.00000000	0.00000000
##	CountrySouth Africa	CountrySpain	CountrySwitzerland	CountryTurkey
## 3.55	0.00000000	1.00000000	0.00000000	0.00000000
## 3.7	0.00000000	0.50000000	0.00000000	0.00000000
## 3.74	1.00000000	0.00000000	0.00000000	0.00000000
## 3.75	0.00000000	1.00000000	0.00000000	0.00000000
## 3.79	0.00000000	0.00000000	0.00000000	0.00000000
## 3.95	0.00000000	1.00000000	0.00000000	0.00000000
## 3.99	0.00000000	1.00000000	0.00000000	0.00000000
## 4	0.00000000	1.00000000	0.00000000	0.00000000
## 4.15	0.00000000	1.00000000	0.00000000	0.00000000
## 4.16	0.00000000	1.00000000	0.00000000	0.00000000
## 4.25	0.00000000	0.50000000	0.00000000	0.00000000
## 4.28	0.00000000	0.50000000	0.00000000	0.00000000
## 4.29	0.00000000	1.00000000	0.00000000	0.00000000
## 4.3	0.00000000	0.50000000	0.00000000	0.00000000
## 4.31	0.00000000	1.00000000	0.00000000	0.00000000
## 4.38	0.00000000	0.00000000	0.00000000	0.00000000
## 4.4	0.00000000	0.00000000	0.00000000	0.00000000
## 4.44	0.00000000	1.00000000	0.00000000	0.00000000
## 4.45	0.00000000	0.00000000	0.00000000	0.00000000
## 4.5	0.00000000	1.00000000	0.00000000	0.00000000
## 4.55	0.00000000	0.00000000	0.00000000	0.00000000
## 4.57	0.00000000	0.00000000	0.00000000	0.00000000
## 4.6	0.00000000	1.00000000	0.00000000	0.00000000
## 4.63	0.00000000	0.00000000	0.00000000	0.00000000
## 4.65	0.00000000	0.00000000	0.00000000	0.00000000
## 4.66	0.00000000	0.00000000	0.00000000	0.00000000
## 4.67	0.00000000	0.00000000	0.00000000	0.00000000
## 4.7	0.00000000	0.00000000	0.00000000	0.00000000
## 4.73	0.00000000	0.00000000	0.00000000	0.00000000
## 4.74	0.00000000	1.00000000	0.00000000	0.00000000
## 4.75	0.00000000	0.33333333	0.00000000	0.00000000
## 4.76	0.00000000	0.00000000	0.00000000	0.00000000
## 4.78	0.00000000	0.00000000	0.00000000	0.00000000

## 4.79	0.00000000	1.00000000	0.00000000	0.00000000
## 4.8	0.00000000	0.00000000	0.00000000	0.00000000
## 4.82	0.00000000	0.00000000	0.00000000	0.00000000
## 4.83	0.00000000	0.00000000	0.00000000	0.00000000
## 4.84	0.00000000	1.00000000	0.00000000	0.00000000
## 4.85	0.00000000	0.00000000	0.00000000	0.00000000
## 4.86	0.00000000	1.00000000	0.00000000	0.00000000
## 4.89	0.00000000	0.00000000	0.00000000	0.00000000
## 4.9	0.30000000	0.30000000	0.00000000	0.00000000
## 4.92	0.00000000	0.50000000	0.00000000	0.00000000
## 4.94	0.00000000	0.00000000	0.00000000	0.00000000
## 4.95	0.00000000	0.33333333	0.00000000	0.00000000
## 4.99	0.00000000	0.71428571	0.00000000	0.00000000
## 5	0.00000000	0.00000000	0.00000000	0.00000000
## 5.02	0.00000000	0.00000000	0.00000000	0.00000000
## 5.03	1.00000000	0.00000000	0.00000000	0.00000000
## 5.1	0.00000000	0.33333333	0.00000000	0.00000000
## 5.12	0.00000000	0.00000000	0.00000000	0.00000000
## 5.14	0.00000000	0.00000000	0.00000000	0.00000000
## 5.15	0.00000000	1.00000000	0.00000000	0.00000000
## 5.16	0.00000000	0.40000000	0.00000000	0.00000000
## 5.2	0.00000000	0.20000000	0.00000000	0.00000000
## 5.21	0.00000000	0.00000000	0.00000000	0.00000000
## 5.23	1.00000000	0.00000000	0.00000000	0.00000000
## 5.25	0.00000000	0.14285714	0.00000000	0.00000000
## 5.28	0.00000000	0.00000000	0.00000000	0.00000000
## 5.29	0.20000000	0.40000000	0.00000000	0.00000000
## 5.3	0.33333333	0.66666667	0.00000000	0.00000000
## 5.31	0.00000000	0.00000000	0.00000000	0.00000000
## 5.32	0.00000000	0.00000000	0.00000000	0.00000000
## 5.33	0.00000000	0.40000000	0.00000000	0.00000000
## 5.35	0.00000000	0.33333333	0.00000000	0.00000000
## 5.36	0.00000000	0.00000000	0.00000000	0.00000000
## 5.38	0.00000000	0.00000000	0.00000000	0.00000000
## 5.4	0.50000000	0.50000000	0.00000000	0.00000000
## 5.42	0.00000000	0.00000000	0.00000000	0.00000000
## 5.43	0.00000000	0.50000000	0.00000000	0.00000000
## 5.45	0.00000000	0.50000000	0.00000000	0.00000000
## 5.46	0.00000000	0.00000000	0.00000000	0.00000000
## 5.49	0.20000000	0.40000000	0.00000000	0.00000000
## 5.5	0.15789474	0.10526316	0.00000000	0.00000000
## 5.51	0.00000000	1.00000000	0.00000000	0.00000000
## 5.52	0.00000000	0.00000000	0.00000000	0.00000000
## 5.53	0.00000000	0.40000000	0.00000000	0.00000000
## 5.54	0.00000000	0.00000000	0.00000000	0.00000000
## 5.55	1.00000000	0.00000000	0.00000000	0.00000000
## 5.56	0.33333333	0.00000000	0.00000000	0.00000000
## 5.59	0.00000000	1.00000000	0.00000000	0.00000000
## 5.6	0.00000000	0.00000000	0.00000000	0.00000000
## 5.61	0.00000000	1.00000000	0.00000000	0.00000000
## 5.62	1.00000000	0.00000000	0.00000000	0.00000000
## 5.63	0.00000000	0.00000000	0.00000000	0.00000000
## 5.64	0.00000000	0.00000000	0.00000000	0.00000000
## 5.65	0.00000000	0.00000000	0.00000000	0.00000000

## 5.68	0.00000000	0.00000000	0.00000000	0.00000000
## 5.69	0.00000000	0.33333333	0.00000000	0.00000000
## 5.7	0.00000000	0.60000000	0.00000000	0.00000000
## 5.71	0.00000000	0.00000000	0.00000000	0.00000000
## 5.72	0.00000000	0.00000000	0.00000000	0.00000000
## 5.74	0.57142857	0.00000000	0.00000000	0.00000000
## 5.75	0.00000000	0.55555556	0.00000000	0.00000000
## 5.76	0.33333333	0.33333333	0.00000000	0.00000000
## 5.77	0.00000000	0.00000000	0.00000000	0.00000000
## 5.79	0.22222222	0.22222222	0.00000000	0.00000000
## 5.8	0.23076923	0.30769231	0.00000000	0.00000000
## 5.81	0.16666667	0.33333333	0.00000000	0.00000000
## 5.82	0.00000000	0.00000000	0.00000000	0.00000000
## 5.84	0.00000000	0.00000000	0.00000000	0.00000000
## 5.85	0.00000000	0.20000000	0.00000000	0.00000000
## 5.89	0.00000000	0.00000000	0.00000000	0.00000000
## 5.9	0.00000000	0.30769231	0.00000000	0.00000000
## 5.94	1.00000000	0.00000000	0.00000000	0.00000000
## 5.95	0.15151515	0.21212121	0.00000000	0.00000000
## 5.98	0.00000000	0.00000000	0.00000000	0.00000000
## 5.99	0.00000000	0.63157895	0.00000000	0.00000000
## 6	0.00000000	0.18181818	0.00000000	0.00000000
## 6.02	0.00000000	0.00000000	0.00000000	0.00000000
## 6.03	0.00000000	0.00000000	0.00000000	0.00000000
## 6.05	0.00000000	0.00000000	0.00000000	0.00000000
## 6.09	0.00000000	0.60000000	0.00000000	0.00000000
## 6.1	0.00000000	0.50000000	0.00000000	0.00000000
## 6.12	0.33333333	0.00000000	0.00000000	0.00000000
## 6.13	0.00000000	0.00000000	0.00000000	0.00000000
## 6.15	0.33333333	0.33333333	0.00000000	0.00000000
## 6.16	0.00000000	0.00000000	0.00000000	0.00000000
## 6.19	0.00000000	0.00000000	0.00000000	0.00000000
## 6.2	0.00000000	0.20000000	0.00000000	0.00000000
## 6.21	0.00000000	0.25000000	0.00000000	0.00000000
## 6.23	0.00000000	0.00000000	0.00000000	0.00000000
## 6.24	0.00000000	0.00000000	0.00000000	0.00000000
## 6.25	0.09090909	0.18181818	0.00000000	0.00000000
## 6.26	0.00000000	0.00000000	0.00000000	0.00000000
## 6.29	0.00000000	0.50000000	0.00000000	0.00000000
## 6.3	0.27777778	0.16666667	0.00000000	0.00000000
## 6.31	0.22222222	0.00000000	0.00000000	0.00000000
## 6.32	0.00000000	0.20000000	0.00000000	0.00000000
## 6.33	0.13333333	0.06666667	0.00000000	0.00000000
## 6.34	0.00000000	0.00000000	0.00000000	0.00000000
## 6.35	0.00000000	0.33333333	0.00000000	0.00000000
## 6.39	0.00000000	0.33333333	0.00000000	0.00000000
## 6.4	0.20000000	0.00000000	0.00000000	0.00000000
## 6.41	0.00000000	0.00000000	0.00000000	0.00000000
## 6.42	0.00000000	0.00000000	0.00000000	0.00000000
## 6.43	0.00000000	0.00000000	0.00000000	0.00000000
## 6.44	0.00000000	0.00000000	0.00000000	0.00000000
## 6.45	0.11111111	0.22222222	0.00000000	0.00000000
## 6.49	0.00000000	0.40000000	0.00000000	0.00000000
## 6.5	0.18181818	0.18181818	0.00000000	0.00000000

## 6.51	0.00000000	0.00000000	0.00000000	0.00000000
## 6.53	0.00000000	0.00000000	0.00000000	0.00000000
## 6.54	0.11111111	0.22222222	0.00000000	0.00000000
## 6.55	0.00000000	0.00000000	0.00000000	0.00000000
## 6.57	0.00000000	0.00000000	0.00000000	0.00000000
## 6.58	0.00000000	0.00000000	0.00000000	0.00000000
## 6.59	0.00000000	0.00000000	0.00000000	0.00000000
## 6.6	0.00000000	0.00000000	0.00000000	0.00000000
## 6.61	0.00000000	0.00000000	0.00000000	0.00000000
## 6.62	0.00000000	0.20000000	0.00000000	0.00000000
## 6.63	0.25000000	0.25000000	0.00000000	0.00000000
## 6.64	0.00000000	0.00000000	0.00000000	0.00000000
## 6.65	0.00000000	0.50000000	0.00000000	0.00000000
## 6.66	0.00000000	0.00000000	0.00000000	0.00000000
## 6.68	0.00000000	0.00000000	0.00000000	0.00000000
## 6.69	0.11111111	0.33333333	0.00000000	0.00000000
## 6.7	0.11111111	0.44444444	0.00000000	0.00000000
## 6.72	0.00000000	0.50000000	0.00000000	0.00000000
## 6.73	0.00000000	0.12500000	0.00000000	0.00000000
## 6.75	0.04347826	0.30434783	0.00000000	0.00000000
## 6.77	0.04761905	0.04761905	0.00000000	0.00000000
## 6.78	0.00000000	0.00000000	0.00000000	0.00000000
## 6.79	0.00000000	0.50000000	0.00000000	0.00000000
## 6.8	0.00000000	0.33333333	0.00000000	0.00000000
## 6.81	0.00000000	0.00000000	0.00000000	0.00000000
## 6.83	0.00000000	0.16666667	0.00000000	0.00000000
## 6.84	0.42857143	0.28571429	0.00000000	0.00000000
## 6.85	0.00000000	0.25000000	0.00000000	0.00000000
## 6.86	0.00000000	0.00000000	0.00000000	0.00000000
## 6.88	0.25000000	0.25000000	0.00000000	0.00000000
## 6.89	0.00000000	0.42857143	0.00000000	0.00000000
## 6.9	0.00000000	0.30000000	0.00000000	0.00000000
## 6.92	0.00000000	0.00000000	0.00000000	0.00000000
## 6.93	0.50000000	0.00000000	0.00000000	0.00000000
## 6.94	1.00000000	0.00000000	0.00000000	0.00000000
## 6.95	0.15000000	0.15000000	0.00000000	0.00000000
## 6.96	0.00000000	0.50000000	0.00000000	0.00000000
## 6.97	0.28571429	0.00000000	0.00000000	0.00000000
## 6.99	0.10526316	0.47368421	0.00000000	0.00000000
## 7	0.00000000	0.42857143	0.00000000	0.00000000
## 7.02	0.00000000	0.00000000	0.00000000	0.00000000
## 7.04	0.00000000	0.00000000	0.00000000	0.00000000
## 7.05	0.00000000	0.00000000	0.00000000	0.00000000
## 7.06	0.00000000	0.00000000	0.00000000	0.00000000
## 7.08	0.00000000	0.00000000	0.00000000	0.00000000
## 7.09	0.00000000	0.00000000	0.00000000	0.00000000
## 7.1	0.00000000	0.66666667	0.00000000	0.00000000
## 7.13	0.00000000	0.00000000	0.00000000	0.00000000
## 7.15	0.00000000	0.00000000	0.00000000	0.00000000
## 7.18	1.00000000	0.00000000	0.00000000	0.00000000
## 7.19	0.14285714	0.00000000	0.00000000	0.00000000
## 7.2	0.25000000	0.25000000	0.00000000	0.00000000
## 7.21	0.00000000	0.00000000	0.00000000	0.00000000
## 7.22	0.00000000	0.00000000	0.00000000	0.00000000

## 7.23	0.50000000	0.00000000	0.00000000	0.00000000
## 7.24	0.00000000	0.00000000	0.00000000	0.00000000
## 7.25	0.16666667	0.00000000	0.00000000	0.00000000
## 7.26	0.00000000	0.14285714	0.00000000	0.00000000
## 7.27	0.07692308	0.07692308	0.00000000	0.00000000
## 7.28	0.00000000	0.00000000	0.00000000	0.00000000
## 7.29	0.33333333	0.00000000	0.00000000	0.00000000
## 7.3	0.11111111	0.11111111	0.00000000	0.00000000
## 7.31	0.00000000	0.10000000	0.00000000	0.00000000
## 7.32	0.12500000	0.37500000	0.00000000	0.00000000
## 7.34	0.00000000	0.00000000	0.00000000	0.00000000
## 7.35	0.10000000	0.40000000	0.00000000	0.00000000
## 7.36	0.07692308	0.46153846	0.00000000	0.00000000
## 7.37	0.00000000	0.00000000	0.00000000	0.00000000
## 7.39	0.00000000	0.00000000	0.00000000	0.00000000
## 7.4	0.00000000	0.16666667	0.00000000	0.00000000
## 7.41	0.00000000	0.00000000	0.00000000	0.00000000
## 7.42	0.00000000	0.14285714	0.00000000	0.00000000
## 7.44	0.00000000	0.27272727	0.00000000	0.00000000
## 7.45	0.10526316	0.31578947	0.00000000	0.00000000
## 7.47	0.00000000	0.50000000	0.00000000	0.00000000
## 7.48	0.00000000	0.00000000	0.00000000	0.00000000
## 7.49	0.00000000	0.14285714	0.00000000	0.00000000
## 7.5	0.19444444	0.11111111	0.00000000	0.00000000
## 7.51	0.00000000	0.00000000	0.00000000	0.00000000
## 7.52	0.00000000	0.00000000	0.00000000	0.00000000
## 7.53	0.00000000	0.25000000	0.00000000	0.00000000
## 7.55	0.00000000	0.25000000	0.00000000	0.00000000
## 7.58	0.00000000	0.00000000	0.00000000	0.00000000
## 7.59	0.00000000	0.00000000	0.00000000	0.00000000
## 7.6	0.11764706	0.17647059	0.00000000	0.00000000
## 7.63	0.22222222	0.00000000	0.00000000	0.00000000
## 7.64	0.00000000	0.00000000	0.00000000	0.00000000
## 7.65	0.00000000	0.00000000	0.00000000	0.00000000
## 7.66	0.00000000	0.11111111	0.00000000	0.00000000
## 7.67	0.00000000	0.00000000	0.00000000	0.00000000
## 7.69	0.28571429	0.00000000	0.00000000	0.00000000
## 7.7	0.07142857	0.17857143	0.00000000	0.00000000
## 7.71	0.00000000	0.00000000	0.00000000	0.00000000
## 7.72	0.00000000	0.00000000	0.00000000	0.00000000
## 7.73	0.00000000	0.00000000	0.00000000	0.00000000
## 7.74	0.00000000	0.00000000	0.00000000	0.00000000
## 7.75	0.06666667	0.13333333	0.00000000	0.00000000
## 7.77	0.33333333	0.00000000	0.00000000	0.00000000
## 7.78	0.00000000	0.00000000	0.00000000	0.00000000
## 7.79	0.40000000	0.00000000	0.00000000	0.00000000
## 7.8	0.00000000	0.00000000	0.00000000	0.00000000
## 7.81	0.00000000	0.00000000	0.00000000	0.00000000
## 7.83	0.00000000	0.00000000	0.00000000	0.00000000
## 7.84	0.00000000	1.00000000	0.00000000	0.00000000
## 7.85	0.14285714	0.28571429	0.00000000	0.00000000
## 7.87	0.00000000	0.00000000	0.00000000	0.00000000
## 7.88	0.20000000	0.40000000	0.00000000	0.00000000
## 7.89	0.00000000	0.13333333	0.00000000	0.00000000

## 7.9	0.05357143	0.14285714	0.00000000	0.00000000
## 7.93	0.00000000	1.00000000	0.00000000	0.00000000
## 7.94	0.00000000	0.00000000	0.00000000	0.00000000
## 7.95	0.10526316	0.15789474	0.00000000	0.00000000
## 7.96	0.00000000	0.00000000	0.00000000	0.00000000
## 7.99	0.11764706	0.29411765	0.00000000	0.00000000
## 8	0.00000000	0.16666667	0.00000000	0.00000000
## 8.04	0.00000000	1.00000000	0.00000000	0.00000000
## 8.07	0.00000000	0.00000000	0.00000000	0.00000000
## 8.09	0.00000000	0.00000000	0.00000000	0.00000000
## 8.1	0.00000000	0.50000000	0.00000000	0.00000000
## 8.11	0.00000000	0.00000000	0.00000000	0.00000000
## 8.14	0.00000000	0.00000000	0.00000000	0.00000000
## 8.15	0.50000000	0.00000000	0.00000000	0.00000000
## 8.16	0.00000000	0.00000000	0.00000000	0.00000000
## 8.17	0.00000000	0.00000000	0.00000000	0.00000000
## 8.18	0.00000000	0.00000000	0.00000000	0.00000000
## 8.19	0.00000000	0.37500000	0.00000000	0.00000000
## 8.2	0.00000000	0.12500000	0.00000000	0.00000000
## 8.21	0.16666667	0.33333333	0.00000000	0.00000000
## 8.22	0.00000000	1.00000000	0.00000000	0.00000000
## 8.24	0.00000000	0.20000000	0.00000000	0.00000000
## 8.25	0.00000000	0.25000000	0.00000000	0.00000000
## 8.27	0.00000000	0.00000000	0.00000000	0.00000000
## 8.28	0.00000000	0.40000000	0.00000000	0.00000000
## 8.29	0.22727273	0.09090909	0.00000000	0.00000000
## 8.31	0.00000000	0.50000000	0.00000000	0.00000000
## 8.32	0.28571429	0.14285714	0.00000000	0.00000000
## 8.33	0.16666667	0.16666667	0.00000000	0.00000000
## 8.35	0.00000000	0.00000000	0.00000000	0.00000000
## 8.36	0.00000000	0.00000000	0.00000000	0.00000000
## 8.37	0.00000000	0.00000000	0.00000000	0.00000000
## 8.38	0.00000000	0.50000000	0.00000000	0.00000000
## 8.39	0.00000000	0.40000000	0.00000000	0.00000000
## 8.4	0.00000000	0.00000000	0.00000000	0.00000000
## 8.41	0.12500000	0.00000000	0.00000000	0.00000000
## 8.43	0.00000000	0.00000000	0.00000000	0.00000000
## 8.44	0.00000000	0.00000000	0.00000000	0.00000000
## 8.45	0.09090909	0.13636364	0.00000000	0.00000000
## 8.47	0.00000000	1.00000000	0.00000000	0.00000000
## 8.48	0.00000000	0.00000000	0.00000000	0.00000000
## 8.49	0.08000000	0.08000000	0.00000000	0.00000000
## 8.5	0.17391304	0.06521739	0.00000000	0.00000000
## 8.52	0.00000000	0.00000000	0.00000000	0.00000000
## 8.53	0.00000000	0.00000000	0.00000000	0.00000000
## 8.54	0.00000000	0.50000000	0.00000000	0.00000000
## 8.55	0.00000000	0.33333333	0.00000000	0.00000000
## 8.56	0.66666667	0.00000000	0.00000000	0.00000000
## 8.57	0.33333333	0.33333333	0.00000000	0.00000000
## 8.58	0.00000000	0.00000000	0.00000000	0.00000000
## 8.59	0.00000000	0.00000000	0.00000000	0.00000000
## 8.6	0.00000000	0.00000000	0.00000000	0.00000000
## 8.61	0.00000000	0.00000000	0.00000000	0.00000000
## 8.62	0.00000000	0.00000000	0.00000000	0.00000000

## 8.63	0.00000000	0.00000000	0.00000000	0.00000000
## 8.64	0.00000000	0.00000000	0.00000000	0.00000000
## 8.65	0.00000000	0.00000000	0.00000000	0.00000000
## 8.66	0.00000000	0.00000000	0.00000000	0.00000000
## 8.67	0.00000000	0.14285714	0.00000000	0.00000000
## 8.68	0.00000000	0.12000000	0.00000000	0.00000000
## 8.69	0.00000000	0.14285714	0.00000000	0.00000000
## 8.7	0.08333333	0.25000000	0.00000000	0.00000000
## 8.71	0.00000000	0.00000000	0.00000000	0.00000000
## 8.72	0.04444444	0.08888889	0.00000000	0.00000000
## 8.73	0.00000000	0.20000000	0.00000000	0.00000000
## 8.74	0.00000000	0.00000000	0.00000000	0.00000000
## 8.75	0.23076923	0.46153846	0.00000000	0.00000000
## 8.76	0.00000000	0.00000000	0.00000000	0.00000000
## 8.77	0.00000000	0.00000000	0.00000000	0.00000000
## 8.78	0.00000000	0.06666667	0.00000000	0.00000000
## 8.79	0.00000000	0.50000000	0.00000000	0.00000000
## 8.8	0.00000000	0.22222222	0.00000000	0.00000000
## 8.83	0.00000000	0.25000000	0.00000000	0.00000000
## 8.84	0.00000000	0.50000000	0.00000000	0.00000000
## 8.85	0.00000000	0.66666667	0.00000000	0.00000000
## 8.87	0.00000000	0.66666667	0.00000000	0.00000000
## 8.89	0.00000000	0.33333333	0.00000000	0.00000000
## 8.9	0.05882353	0.04411765	0.00000000	0.00000000
## 8.92	0.00000000	0.50000000	0.00000000	0.00000000
## 8.93	0.00000000	0.00000000	0.00000000	0.00000000
## 8.94	0.00000000	0.00000000	0.00000000	0.00000000
## 8.95	0.22500000	0.22500000	0.00000000	0.00000000
## 8.96	0.00000000	0.50000000	0.00000000	0.00000000
## 8.97	0.00000000	0.00000000	0.00000000	0.00000000
## 8.98	0.00000000	0.00000000	0.00000000	0.00000000
## 8.99	0.00000000	0.42857143	0.00000000	0.00000000
## 9	0.00000000	0.28571429	0.00000000	0.00000000
## 9.05	0.66666667	0.00000000	0.00000000	0.00000000
## 9.08	0.00000000	1.00000000	0.00000000	0.00000000
## 9.09	0.00000000	0.00000000	0.00000000	0.00000000
## 9.1	0.00000000	0.25000000	0.00000000	0.00000000
## 9.11	0.00000000	0.00000000	0.00000000	0.00000000
## 9.12	0.00000000	0.00000000	0.00000000	0.00000000
## 9.13	0.00000000	0.00000000	0.00000000	0.00000000
## 9.15	0.00000000	0.50000000	0.00000000	0.00000000
## 9.16	0.00000000	0.00000000	0.00000000	0.00000000
## 9.17	0.00000000	0.00000000	0.00000000	0.00000000
## 9.19	0.00000000	0.00000000	0.00000000	0.00000000
## 9.2	0.00000000	0.00000000	0.00000000	0.00000000
## 9.21	0.00000000	0.28571429	0.00000000	0.00000000
## 9.22	0.00000000	0.00000000	0.00000000	0.00000000
## 9.23	0.00000000	0.25000000	0.00000000	0.00000000
## 9.24	0.00000000	0.00000000	0.00000000	0.00000000
## 9.25	0.07692308	0.07692308	0.00000000	0.00000000
## 9.26	0.03225806	0.03225806	0.00000000	0.00000000
## 9.28	0.00000000	0.00000000	0.00000000	0.00000000
## 9.29	0.00000000	0.50000000	0.00000000	0.00000000
## 9.3	0.40000000	0.00000000	0.00000000	0.00000000

## 9.31	0.00000000	0.00000000	0.00000000	0.00000000
## 9.34	0.00000000	1.00000000	0.00000000	0.00000000
## 9.35	0.00000000	0.33333333	0.00000000	0.00000000
## 9.36	0.16666667	0.00000000	0.00000000	0.00000000
## 9.37	0.10000000	0.00000000	0.00000000	0.00000000
## 9.39	0.18181818	0.09090909	0.00000000	0.00000000
## 9.4	0.00000000	0.00000000	0.00000000	0.00000000
## 9.42	0.00000000	0.00000000	0.00000000	0.00000000
## 9.44	0.33333333	0.00000000	0.00000000	0.00000000
## 9.45	0.10000000	0.10000000	0.00000000	0.00000000
## 9.46	0.33333333	0.00000000	0.00000000	0.00000000
## 9.48	0.00000000	0.00000000	0.00000000	0.00000000
## 9.49	0.00000000	0.22222222	0.00000000	0.00000000
## 9.5	0.12643678	0.11494253	0.00000000	0.00000000
## 9.51	0.00000000	0.00000000	0.00000000	0.00000000
## 9.52	0.00000000	0.00000000	0.00000000	0.00000000
## 9.53	0.00000000	0.00000000	0.00000000	0.00000000
## 9.54	0.00000000	0.00000000	0.00000000	0.00000000
## 9.55	0.00000000	0.16666667	0.00000000	0.00000000
## 9.56	0.00000000	0.00000000	0.00000000	0.00000000
## 9.57	0.00000000	0.00000000	0.00000000	0.00000000
## 9.59	0.00000000	0.33333333	0.00000000	0.00000000
## 9.6	0.00000000	0.11111111	0.00000000	0.00000000
## 9.61	0.00000000	0.00000000	0.00000000	0.00000000
## 9.62	0.00000000	0.00000000	0.00000000	0.00000000
## 9.64	0.00000000	0.00000000	0.00000000	0.00000000
## 9.65	0.04878049	0.12195122	0.00000000	0.00000000
## 9.66	0.00000000	0.00000000	0.00000000	0.00000000
## 9.68	0.00000000	0.00000000	0.00000000	0.00000000
## 9.69	0.00000000	0.00000000	0.00000000	0.00000000
## 9.7	0.00000000	0.07407407	0.00000000	0.00000000
## 9.72	0.25000000	0.00000000	0.00000000	0.00000000
## 9.73	0.00000000	0.00000000	0.00000000	0.00000000
## 9.74	0.00000000	0.00000000	0.00000000	0.00000000
## 9.75	0.13333333	0.13333333	0.00000000	0.00000000
## 9.76	0.00000000	0.00000000	0.00000000	0.00000000
## 9.78	0.00000000	0.00000000	0.00000000	0.00000000
## 9.79	0.00000000	0.00000000	0.00000000	0.00000000
## 9.8	0.00000000	0.12500000	0.00000000	0.00000000
## 9.82	0.00000000	0.00000000	0.00000000	0.00000000
## 9.83	0.00000000	0.00000000	0.00000000	0.00000000
## 9.85	0.10000000	0.10000000	0.00000000	0.00000000
## 9.88	0.00000000	0.00000000	0.00000000	0.00000000
## 9.89	0.33333333	0.11111111	0.00000000	0.00000000
## 9.9	0.13043478	0.14130435	0.00000000	0.00000000
## 9.91	0.00000000	0.00000000	0.00000000	0.00000000
## 9.94	0.00000000	0.00000000	0.00000000	0.00000000
## 9.95	0.13725490	0.13725490	0.00000000	0.00000000
## 9.98	0.33333333	0.00000000	0.00000000	0.00000000
## 9.99	0.07500000	0.15000000	0.00000000	0.00000000
## 10	0.14285714	0.21428571	0.00000000	0.00000000
## 10.01	0.00000000	0.00000000	0.00000000	0.00000000
## 10.04	0.00000000	0.00000000	0.00000000	0.00000000
## 10.08	0.00000000	0.00000000	0.00000000	0.00000000

## 10.09	0.00000000	0.00000000	0.00000000	0.00000000
## 10.1	0.00000000	0.00000000	0.00000000	0.00000000
## 10.11	0.00000000	0.00000000	0.00000000	0.00000000
## 10.15	0.00000000	0.00000000	0.00000000	0.00000000
## 10.18	0.00000000	0.25000000	0.00000000	0.00000000
## 10.19	0.00000000	0.00000000	0.00000000	0.00000000
## 10.21	0.00000000	0.00000000	0.00000000	0.00000000
## 10.23	0.11111111	0.00000000	0.00000000	0.00000000
## 10.24	0.00000000	0.00000000	0.00000000	0.00000000
## 10.25	0.33333333	0.00000000	0.00000000	0.00000000
## 10.26	0.00000000	0.00000000	0.00000000	0.00000000
## 10.27	0.00000000	0.00000000	0.00000000	0.00000000
## 10.28	0.00000000	0.00000000	0.00000000	0.00000000
## 10.29	0.00000000	0.00000000	0.00000000	0.00000000
## 10.3	0.00000000	0.00000000	0.00000000	0.00000000
## 10.31	0.00000000	0.50000000	0.00000000	0.00000000
## 10.32	0.00000000	0.00000000	0.00000000	0.00000000
## 10.35	0.18181818	0.27272727	0.00000000	0.00000000
## 10.38	0.00000000	0.50000000	0.00000000	0.00000000
## 10.39	0.00000000	1.00000000	0.00000000	0.00000000
## 10.4	0.00000000	0.00000000	0.00000000	0.00000000
## 10.41	0.00000000	0.33333333	0.00000000	0.00000000
## 10.42	0.15384615	0.07692308	0.00000000	0.00000000
## 10.43	0.25000000	0.00000000	0.00000000	0.00000000
## 10.45	0.33333333	0.22222222	0.00000000	0.00000000
## 10.46	0.00000000	0.00000000	0.00000000	0.00000000
## 10.47	0.00000000	0.00000000	0.00000000	0.00000000
## 10.49	0.00000000	0.33333333	0.00000000	0.00000000
## 10.5	0.12765957	0.10638298	0.00000000	0.00000000
## 10.51	0.09090909	0.09090909	0.00000000	0.00000000
## 10.52	0.00000000	0.00000000	0.00000000	0.00000000
## 10.53	0.50000000	0.00000000	0.00000000	0.00000000
## 10.54	0.00000000	0.00000000	0.00000000	0.00000000
## 10.56	0.00000000	0.33333333	0.00000000	0.00000000
## 10.57	0.00000000	0.00000000	0.00000000	0.00000000
## 10.59	0.00000000	0.00000000	0.00000000	0.00000000
## 10.6	0.07692308	0.23076923	0.00000000	0.00000000
## 10.62	0.00000000	0.16666667	0.00000000	0.00000000
## 10.63	0.00000000	0.06250000	0.00000000	0.00000000
## 10.65	0.00000000	0.25000000	0.00000000	0.00000000
## 10.66	0.10000000	0.00000000	0.00000000	0.00000000
## 10.67	0.00000000	0.10000000	0.00000000	0.00000000
## 10.68	0.00000000	0.00000000	0.00000000	0.00000000
## 10.69	0.00000000	0.00000000	0.00000000	0.00000000
## 10.7	0.00000000	0.00000000	0.00000000	0.00000000
## 10.71	0.00000000	0.20000000	0.00000000	0.00000000
## 10.72	0.25000000	0.00000000	0.00000000	0.00000000
## 10.74	0.00000000	0.00000000	0.00000000	0.00000000
## 10.75	0.12500000	0.37500000	0.00000000	0.00000000
## 10.79	0.00000000	0.00000000	0.00000000	0.00000000
## 10.8	0.00000000	0.33333333	0.00000000	0.00000000
## 10.82	0.00000000	0.00000000	0.00000000	0.00000000
## 10.84	0.00000000	0.00000000	0.00000000	0.00000000
## 10.85	0.00000000	0.20000000	0.00000000	0.00000000

## 10.86	0.00000000	0.00000000	0.00000000	0.00000000
## 10.88	0.00000000	0.00000000	0.00000000	0.00000000
## 10.89	0.00000000	0.50000000	0.00000000	0.00000000
## 10.9	0.09836066	0.06557377	0.00000000	0.00000000
## 10.91	0.14285714	0.28571429	0.00000000	0.00000000
## 10.92	0.00000000	0.00000000	0.00000000	0.00000000
## 10.93	0.00000000	0.09090909	0.00000000	0.00000000
## 10.94	0.00000000	0.00000000	0.00000000	0.00000000
## 10.95	0.03846154	0.19230769	0.00000000	0.00000000
## 10.96	0.00000000	0.00000000	0.00000000	0.00000000
## 10.97	0.00000000	0.00000000	0.00000000	0.00000000
## 10.98	0.00000000	0.00000000	0.00000000	0.00000000
## 10.99	0.05263158	0.15789474	0.00000000	0.00000000
## 11	0.00000000	0.10000000	0.00000000	0.00000000
## 11.01	0.50000000	0.00000000	0.00000000	0.00000000
## 11.02	0.09090909	0.00000000	0.00000000	0.00000000
## 11.04	0.00000000	0.00000000	0.00000000	0.00000000
## 11.05	0.00000000	0.20000000	0.00000000	0.00000000
## 11.06	0.00000000	0.00000000	0.00000000	0.00000000
## 11.07	0.00000000	0.00000000	0.00000000	0.00000000
## 11.08	0.00000000	0.00000000	0.00000000	0.00000000
## 11.09	0.00000000	0.00000000	0.00000000	0.00000000
## 11.11	0.00000000	0.00000000	0.00000000	0.00000000
## 11.13	0.00000000	0.00000000	0.00000000	0.00000000
## 11.15	0.00000000	0.00000000	0.00000000	0.00000000
## 11.16	0.00000000	0.00000000	0.00000000	0.00000000
## 11.17	0.00000000	0.00000000	0.00000000	0.00000000
## 11.18	0.00000000	0.00000000	0.00000000	0.00000000
## 11.19	0.00000000	0.10000000	0.00000000	0.00000000
## 11.2	0.11111111	0.00000000	0.00000000	0.00000000
## 11.21	0.00000000	0.11764706	0.00000000	0.00000000
## 11.23	0.00000000	0.00000000	0.00000000	0.00000000
## 11.25	0.14285714	0.28571429	0.00000000	0.00000000
## 11.26	0.00000000	0.00000000	0.00000000	0.00000000
## 11.27	0.00000000	0.00000000	0.00000000	0.00000000
## 11.3	0.00000000	0.00000000	0.00000000	0.00000000
## 11.31	0.00000000	0.00000000	0.00000000	0.00000000
## 11.35	0.00000000	0.00000000	0.00000000	0.00000000
## 11.36	0.00000000	0.00000000	0.00000000	0.00000000
## 11.37	0.00000000	0.00000000	0.00000000	0.00000000
## 11.4	0.00000000	0.08333333	0.00000000	0.00000000
## 11.43	0.00000000	0.00000000	0.00000000	0.00000000
## 11.44	0.00000000	0.00000000	0.00000000	0.00000000
## 11.45	0.06250000	0.06250000	0.00000000	0.00000000
## 11.46	0.00000000	0.00000000	0.00000000	0.00000000
## 11.47	0.00000000	0.20000000	0.00000000	0.00000000
## 11.48	0.00000000	0.42857143	0.00000000	0.00000000
## 11.49	0.14285714	0.14285714	0.00000000	0.00000000
## 11.5	0.14814815	0.01851852	0.00000000	0.03703704
## 11.51	0.00000000	0.16666667	0.00000000	0.00000000
## 11.54	0.00000000	0.00000000	0.00000000	0.00000000
## 11.55	0.00000000	0.00000000	0.00000000	0.00000000
## 11.56	0.00000000	0.00000000	0.00000000	0.00000000
## 11.59	0.00000000	0.00000000	0.00000000	0.00000000

## 11.6	0.03030303	0.09090909	0.00000000	0.00000000
## 11.61	0.00000000	0.00000000	0.00000000	0.00000000
## 11.62	0.00000000	0.00000000	0.00000000	0.00000000
## 11.63	0.00000000	1.00000000	0.00000000	0.00000000
## 11.64	0.00000000	0.00000000	0.00000000	0.00000000
## 11.65	0.06250000	0.00000000	0.00000000	0.00000000
## 11.67	0.00000000	0.00000000	0.00000000	0.00000000
## 11.69	0.00000000	0.20000000	0.00000000	0.00000000
## 11.7	0.00000000	0.00000000	0.00000000	0.00000000
## 11.74	0.00000000	0.00000000	0.00000000	0.00000000
## 11.75	0.00000000	0.50000000	0.00000000	0.00000000
## 11.76	0.00000000	0.00000000	0.00000000	0.00000000
## 11.8	0.25000000	0.25000000	0.00000000	0.00000000
## 11.82	0.00000000	0.00000000	0.00000000	0.00000000
## 11.85	0.00000000	0.00000000	0.00000000	0.00000000
## 11.86	0.00000000	0.00000000	0.00000000	0.00000000
## 11.89	0.00000000	0.08333333	0.00000000	0.00000000
## 11.9	0.03571429	0.07142857	0.00000000	0.00000000
## 11.92	0.14285714	0.00000000	0.00000000	0.00000000
## 11.94	0.00000000	0.00000000	0.00000000	0.00000000
## 11.95	0.05405405	0.21621622	0.00000000	0.00000000
## 11.98	0.00000000	0.00000000	0.00000000	0.00000000
## 11.99	0.20000000	0.26666667	0.00000000	0.00000000
## 12	0.05555556	0.05555556	0.00000000	0.16666667
## 12.03	0.33333333	0.00000000	0.00000000	0.00000000
## 12.05	0.00000000	0.00000000	0.00000000	0.00000000
## 12.06	0.00000000	0.00000000	0.00000000	0.00000000
## 12.08	0.00000000	0.00000000	0.00000000	0.00000000
## 12.09	0.00000000	0.00000000	0.00000000	0.00000000
## 12.1	0.00000000	0.12500000	0.00000000	0.00000000
## 12.11	0.33333333	0.00000000	0.00000000	0.00000000
## 12.12	0.00000000	0.00000000	0.00000000	0.00000000
## 12.13	0.00000000	0.00000000	0.00000000	0.00000000
## 12.14	0.00000000	0.07692308	0.00000000	0.00000000
## 12.18	0.16666667	0.16666667	0.00000000	0.00000000
## 12.19	0.00000000	0.12500000	0.00000000	0.00000000
## 12.2	0.12500000	0.25000000	0.00000000	0.00000000
## 12.21	0.00000000	0.00000000	0.00000000	0.00000000
## 12.23	0.00000000	0.00000000	0.00000000	0.00000000
## 12.25	0.08333333	0.00000000	0.00000000	0.00000000
## 12.28	0.00000000	0.00000000	0.00000000	0.00000000
## 12.3	0.16666667	0.16666667	0.00000000	0.00000000
## 12.31	0.00000000	0.00000000	0.00000000	0.00000000
## 12.32	0.00000000	0.33333333	0.00000000	0.00000000
## 12.33	0.00000000	0.00000000	0.00000000	0.00000000
## 12.37	0.00000000	0.00000000	0.00000000	0.00000000
## 12.38	0.00000000	0.00000000	0.00000000	0.00000000
## 12.39	0.00000000	0.00000000	0.00000000	0.00000000
## 12.4	0.00000000	0.00000000	0.00000000	0.00000000
## 12.41	0.00000000	0.40000000	0.00000000	0.00000000
## 12.42	0.50000000	0.00000000	0.00000000	0.00000000
## 12.43	0.00000000	0.00000000	0.00000000	0.00000000
## 12.45	0.12500000	0.25000000	0.00000000	0.00000000
## 12.46	0.00000000	1.00000000	0.00000000	0.00000000

## 12.48	0.07692308	0.15384615	0.00000000	0.00000000
## 12.49	0.14814815	0.00000000	0.00000000	0.00000000
## 12.5	0.19512195	0.07317073	0.00000000	0.00000000
## 12.51	0.00000000	0.00000000	0.00000000	0.00000000
## 12.52	0.00000000	0.00000000	0.00000000	0.00000000
## 12.53	0.00000000	0.25000000	0.00000000	0.00000000
## 12.55	0.00000000	0.00000000	0.00000000	0.00000000
## 12.56	0.00000000	0.00000000	0.00000000	0.00000000
## 12.57	0.17647059	0.17647059	0.00000000	0.00000000
## 12.58	0.00000000	0.16666667	0.00000000	0.00000000
## 12.59	0.00000000	0.50000000	0.00000000	0.00000000
## 12.6	0.05555556	0.11111111	0.00000000	0.00000000
## 12.62	0.00000000	0.06666667	0.00000000	0.00000000
## 12.63	0.00000000	0.00000000	0.00000000	0.00000000
## 12.65	0.00000000	0.00000000	0.00000000	0.00000000
## 12.66	0.00000000	1.00000000	0.00000000	0.00000000
## 12.67	0.00000000	0.00000000	0.00000000	0.00000000
## 12.69	0.00000000	0.00000000	0.00000000	0.00000000
## 12.7	0.00000000	0.20000000	0.00000000	0.00000000
## 12.75	0.00000000	0.00000000	0.00000000	0.00000000
## 12.77	0.00000000	0.00000000	0.00000000	0.00000000
## 12.78	0.00000000	0.00000000	0.00000000	0.00000000
## 12.79	0.40000000	0.40000000	0.00000000	0.00000000
## 12.8	0.00000000	0.00000000	0.00000000	0.00000000
## 12.81	0.33333333	0.00000000	0.00000000	0.00000000
## 12.83	1.00000000	0.00000000	0.00000000	0.00000000
## 12.85	0.00000000	0.25000000	0.00000000	0.00000000
## 12.86	0.00000000	0.00000000	0.00000000	0.00000000
## 12.87	0.00000000	0.10000000	0.00000000	0.00000000
## 12.89	0.25000000	0.25000000	0.00000000	0.00000000
## 12.9	0.07692308	0.09615385	0.00000000	0.00000000
## 12.92	0.00000000	0.00000000	0.00000000	0.00000000
## 12.94	0.00000000	0.00000000	0.00000000	0.00000000
## 12.95	0.12000000	0.16000000	0.00000000	0.00000000
## 12.96	0.00000000	0.00000000	0.00000000	0.00000000
## 12.98	0.00000000	0.00000000	0.00000000	0.00000000
## 12.99	0.09523810	0.23809524	0.00000000	0.00000000
## 13	0.00000000	0.00000000	0.00000000	0.00000000
## 13.01	0.00000000	0.66666667	0.00000000	0.00000000
## 13.02	0.00000000	0.00000000	0.00000000	0.00000000
## 13.04	0.00000000	0.00000000	0.00000000	0.00000000
## 13.06	0.00000000	0.00000000	0.00000000	0.00000000
## 13.09	0.25000000	0.00000000	0.00000000	0.00000000
## 13.1	0.00000000	0.00000000	0.00000000	0.00000000
## 13.14	0.00000000	0.00000000	0.00000000	0.00000000
## 13.15	0.10526316	0.21052632	0.00000000	0.00000000
## 13.16	0.00000000	0.18181818	0.00000000	0.00000000
## 13.19	0.00000000	0.00000000	0.00000000	0.00000000
## 13.2	0.00000000	0.00000000	0.00000000	0.00000000
## 13.21	0.00000000	0.50000000	0.00000000	0.00000000
## 13.24	0.00000000	0.00000000	0.00000000	0.00000000
## 13.25	0.08333333	0.16666667	0.00000000	0.00000000
## 13.26	0.00000000	0.11111111	0.00000000	0.00000000
## 13.27	1.00000000	0.00000000	0.00000000	0.00000000

## 13.29	0.00000000	0.00000000	0.00000000	0.00000000
## 13.3	0.00000000	0.20000000	0.00000000	0.00000000
## 13.33	0.00000000	0.00000000	0.00000000	0.00000000
## 13.34	0.00000000	1.00000000	0.00000000	0.00000000
## 13.35	0.00000000	0.00000000	0.00000000	0.00000000
## 13.36	0.00000000	0.50000000	0.00000000	0.00000000
## 13.37	0.00000000	0.40000000	0.00000000	0.00000000
## 13.38	0.00000000	0.00000000	0.00000000	0.00000000
## 13.39	0.00000000	0.00000000	0.00000000	0.00000000
## 13.4	0.14285714	0.00000000	0.00000000	0.00000000
## 13.41	0.00000000	0.00000000	0.00000000	0.00000000
## 13.42	0.00000000	0.33333333	0.00000000	0.00000000
## 13.43	0.00000000	0.00000000	0.00000000	0.00000000
## 13.44	0.00000000	0.00000000	0.00000000	0.00000000
## 13.45	0.00000000	0.28571429	0.00000000	0.00000000
## 13.47	0.00000000	0.00000000	0.00000000	0.00000000
## 13.48	0.00000000	0.28571429	0.00000000	0.00000000
## 13.49	0.16666667	0.16666667	0.00000000	0.00000000
## 13.5	0.07317073	0.07317073	0.00000000	0.00000000
## 13.52	0.00000000	0.00000000	0.00000000	0.00000000
## 13.53	0.00000000	0.00000000	0.00000000	0.00000000
## 13.54	0.00000000	0.33333333	0.00000000	0.00000000
## 13.55	0.04347826	0.04347826	0.00000000	0.00000000
## 13.57	0.00000000	0.20000000	0.00000000	0.00000000
## 13.58	0.16666667	0.00000000	0.00000000	0.00000000
## 13.6	0.09523810	0.09523810	0.00000000	0.04761905
## 13.61	0.00000000	0.00000000	0.00000000	0.00000000
## 13.64	0.00000000	0.00000000	0.00000000	0.00000000
## 13.65	0.00000000	0.00000000	0.00000000	0.00000000
## 13.68	0.20000000	0.40000000	0.00000000	0.00000000
## 13.69	0.00000000	0.10000000	0.00000000	0.00000000
## 13.7	0.00000000	0.33333333	0.00000000	0.00000000
## 13.71	0.00000000	0.00000000	0.00000000	0.00000000
## 13.75	0.66666667	0.00000000	0.00000000	0.00000000
## 13.76	0.00000000	0.00000000	0.00000000	0.00000000
## 13.78	0.00000000	0.00000000	0.00000000	0.00000000
## 13.79	0.00000000	0.16666667	0.00000000	0.00000000
## 13.8	0.10000000	0.10000000	0.00000000	0.00000000
## 13.82	0.12500000	0.12500000	0.00000000	0.00000000
## 13.83	0.00000000	0.00000000	0.00000000	0.00000000
## 13.84	0.00000000	0.00000000	0.00000000	0.00000000
## 13.85	0.00000000	0.50000000	0.00000000	0.00000000
## 13.89	0.00000000	0.00000000	0.00000000	0.00000000
## 13.9	0.00000000	0.09302326	0.00000000	0.00000000
## 13.91	0.00000000	0.00000000	0.00000000	0.00000000
## 13.93	0.00000000	0.00000000	0.00000000	0.00000000
## 13.95	0.11764706	0.23529412	0.00000000	0.00000000
## 13.97	0.00000000	0.00000000	0.00000000	0.00000000
## 13.98	0.00000000	0.00000000	0.00000000	0.00000000
## 13.99	0.36842105	0.10526316	0.00000000	0.00000000
## 14	0.00000000	0.00000000	0.00000000	0.00000000
## 14.03	0.00000000	0.00000000	0.00000000	0.00000000
## 14.04	0.00000000	0.00000000	0.00000000	0.00000000
## 14.06	0.00000000	0.25000000	0.00000000	0.00000000

## 14.08	1.00000000	0.00000000	0.00000000	0.00000000
## 14.09	0.00000000	0.40000000	0.00000000	0.00000000
## 14.1	0.00000000	0.00000000	0.00000000	0.00000000
## 14.11	0.00000000	0.00000000	0.00000000	0.00000000
## 14.13	0.00000000	0.29411765	0.00000000	0.00000000
## 14.14	0.00000000	0.00000000	0.00000000	0.00000000
## 14.16	0.00000000	0.00000000	0.00000000	0.00000000
## 14.18	0.00000000	0.00000000	0.00000000	0.00000000
## 14.19	0.50000000	0.25000000	0.00000000	0.00000000
## 14.2	0.00000000	0.00000000	0.00000000	0.00000000
## 14.21	0.33333333	0.00000000	0.00000000	0.00000000
## 14.23	0.00000000	0.00000000	0.00000000	0.00000000
## 14.25	0.00000000	0.00000000	0.00000000	0.00000000
## 14.26	0.00000000	0.00000000	0.00000000	0.00000000
## 14.27	0.50000000	0.00000000	0.00000000	0.00000000
## 14.29	0.11111111	0.00000000	0.00000000	0.00000000
## 14.31	0.00000000	0.00000000	0.00000000	0.00000000
## 14.32	0.00000000	0.00000000	0.00000000	0.00000000
## 14.35	0.25000000	0.00000000	0.00000000	0.00000000
## 14.36	0.00000000	0.00000000	0.00000000	0.00000000
## 14.38	0.00000000	0.40000000	0.00000000	0.00000000
## 14.4	0.00000000	0.00000000	0.00000000	0.00000000
## 14.42	0.00000000	0.00000000	0.00000000	0.00000000
## 14.43	0.00000000	0.00000000	0.00000000	0.00000000
## 14.44	0.00000000	1.00000000	0.00000000	0.00000000
## 14.45	0.00000000	0.00000000	0.00000000	0.00000000
## 14.47	0.00000000	0.00000000	0.00000000	0.00000000
## 14.49	0.28571429	0.00000000	0.00000000	0.00000000
## 14.5	0.16666667	0.07142857	0.00000000	0.00000000
## 14.51	0.00000000	0.00000000	0.00000000	0.00000000
## 14.52	0.00000000	0.28571429	0.04761905	0.00000000
## 14.53	0.00000000	0.20000000	0.00000000	0.00000000
## 14.54	0.00000000	0.00000000	0.00000000	0.00000000
## 14.55	0.00000000	0.00000000	0.00000000	0.00000000
## 14.57	0.04545455	0.04545455	0.00000000	0.00000000
## 14.59	0.00000000	0.00000000	0.00000000	0.00000000
## 14.6	0.00000000	0.33333333	0.00000000	0.00000000
## 14.61	0.00000000	0.00000000	0.00000000	0.00000000
## 14.62	0.00000000	0.00000000	0.00000000	0.00000000
## 14.63	0.00000000	0.16666667	0.00000000	0.00000000
## 14.65	0.00000000	0.33333333	0.00000000	0.00000000
## 14.7	0.00000000	0.50000000	0.00000000	0.00000000
## 14.72	0.00000000	0.00000000	0.00000000	0.00000000
## 14.73	0.00000000	0.00000000	0.00000000	0.00000000
## 14.75	0.00000000	0.40000000	0.00000000	0.00000000
## 14.79	0.00000000	0.00000000	0.00000000	0.00000000
## 14.8	0.00000000	0.16666667	0.00000000	0.00000000
## 14.82	0.00000000	0.00000000	0.00000000	0.00000000
## 14.83	0.00000000	0.00000000	0.00000000	0.00000000
## 14.84	0.00000000	0.00000000	0.00000000	0.00000000
## 14.85	0.00000000	0.33333333	0.00000000	0.00000000
## 14.87	0.00000000	0.00000000	0.00000000	0.00000000
## 14.89	0.00000000	0.00000000	0.00000000	0.00000000
## 14.9	0.11864407	0.08474576	0.00000000	0.00000000

## 14.92	0.00000000	0.00000000	0.00000000	0.00000000
## 14.94	0.00000000	0.00000000	0.00000000	0.00000000
## 14.95	0.17857143	0.10714286	0.00000000	0.00000000
## 14.99	0.00000000	0.27777778	0.00000000	0.00000000
## 15	0.00000000	0.00000000	0.00000000	0.09090909
## 15.01	0.00000000	0.33333333	0.00000000	0.00000000
## 15.03	0.00000000	0.00000000	0.00000000	0.00000000
## 15.04	0.00000000	0.00000000	0.00000000	0.00000000
## 15.05	0.00000000	0.00000000	0.00000000	0.00000000
## 15.08	0.00000000	0.00000000	0.00000000	0.00000000
## 15.1	0.00000000	0.00000000	0.00000000	0.00000000
## 15.11	0.00000000	0.16666667	0.16666667	0.00000000
## 15.13	0.00000000	0.00000000	0.00000000	0.00000000
## 15.15	0.00000000	0.00000000	0.00000000	0.00000000
## 15.16	0.20000000	0.00000000	0.00000000	0.00000000
## 15.18	0.00000000	1.00000000	0.00000000	0.00000000
## 15.19	0.00000000	0.00000000	0.00000000	0.00000000
## 15.2	0.00000000	0.00000000	0.00000000	0.00000000
## 15.23	0.00000000	0.00000000	0.00000000	0.00000000
## 15.25	0.00000000	0.00000000	0.00000000	0.00000000
## 15.26	0.50000000	0.50000000	0.00000000	0.00000000
## 15.27	0.00000000	0.66666667	0.00000000	0.00000000
## 15.28	0.00000000	0.00000000	0.00000000	0.00000000
## 15.3	0.00000000	0.20000000	0.00000000	0.00000000
## 15.33	0.00000000	0.00000000	0.00000000	0.00000000
## 15.37	0.00000000	0.00000000	0.00000000	0.00000000
## 15.38	0.00000000	0.33333333	0.00000000	0.00000000
## 15.39	0.00000000	0.16666667	0.00000000	0.00000000
## 15.4	0.10000000	0.20000000	0.00000000	0.00000000
## 15.42	0.00000000	0.00000000	0.00000000	0.00000000
## 15.45	0.00000000	0.00000000	0.00000000	0.00000000
## 15.47	0.00000000	0.00000000	0.00000000	0.00000000
## 15.48	0.00000000	0.00000000	0.00000000	0.00000000
## 15.49	0.00000000	0.20000000	0.00000000	0.00000000
## 15.5	0.11764706	0.05882353	0.00000000	0.00000000
## 15.51	0.00000000	0.00000000	0.00000000	0.00000000
## 15.54	0.00000000	0.00000000	0.00000000	0.00000000
## 15.55	0.00000000	0.00000000	0.00000000	0.00000000
## 15.59	0.00000000	0.33333333	0.00000000	0.00000000
## 15.6	0.00000000	0.14285714	0.00000000	0.00000000
## 15.61	0.00000000	1.00000000	0.00000000	0.00000000
## 15.65	0.00000000	0.00000000	0.00000000	0.00000000
## 15.67	0.00000000	0.00000000	0.00000000	0.00000000
## 15.68	0.00000000	0.00000000	0.00000000	0.00000000
## 15.69	0.07142857	0.21428571	0.00000000	0.00000000
## 15.7	0.00000000	0.33333333	0.00000000	0.00000000
## 15.75	0.00000000	0.33333333	0.00000000	0.00000000
## 15.76	0.00000000	0.00000000	0.00000000	0.00000000
## 15.77	0.00000000	0.00000000	0.00000000	0.00000000
## 15.78	0.00000000	0.00000000	0.00000000	0.00000000
## 15.79	0.00000000	0.00000000	0.00000000	0.00000000
## 15.8	0.00000000	0.00000000	0.00000000	0.00000000
## 15.84	0.00000000	0.00000000	0.00000000	0.00000000
## 15.85	0.00000000	0.00000000	0.00000000	0.00000000

## 15.88	0.00000000	0.00000000	0.00000000	0.00000000
## 15.89	0.00000000	0.00000000	0.00000000	0.00000000
## 15.9	0.03571429	0.12500000	0.00000000	0.00000000
## 15.94	0.00000000	0.00000000	0.00000000	0.00000000
## 15.95	0.11111111	0.11111111	0.00000000	0.00000000
## 15.98	0.12500000	0.00000000	0.00000000	0.00000000
## 15.99	0.00000000	0.16666667	0.00000000	0.00000000
## 16	0.16666667	0.00000000	0.00000000	0.00000000
## 16.02	0.00000000	0.00000000	0.00000000	0.00000000
## 16.07	0.00000000	0.00000000	0.00000000	0.00000000
## 16.08	0.00000000	0.08333333	0.08333333	0.00000000
## 16.09	0.10000000	0.00000000	0.00000000	0.00000000
## 16.11	0.00000000	0.00000000	0.00000000	0.00000000
## 16.17	0.00000000	0.00000000	0.00000000	0.00000000
## 16.2	1.00000000	0.00000000	0.00000000	0.00000000
## 16.21	0.00000000	0.00000000	0.00000000	0.00000000
## 16.23	0.00000000	0.00000000	0.00000000	0.00000000
## 16.25	0.00000000	0.00000000	0.00000000	0.00000000
## 16.27	0.00000000	0.00000000	0.00000000	0.00000000
## 16.29	0.00000000	0.00000000	0.00000000	0.00000000
## 16.31	0.00000000	0.00000000	0.00000000	0.00000000
## 16.32	0.00000000	0.00000000	0.00000000	0.00000000
## 16.33	0.00000000	0.00000000	0.00000000	0.00000000
## 16.34	0.00000000	0.00000000	0.00000000	0.00000000
## 16.36	0.00000000	0.00000000	0.00000000	0.00000000
## 16.38	0.00000000	0.00000000	0.00000000	0.00000000
## 16.39	0.00000000	0.00000000	0.00000000	0.00000000
## 16.4	0.00000000	0.33333333	0.00000000	0.00000000
## 16.44	0.00000000	0.00000000	0.00000000	0.00000000
## 16.45	0.00000000	0.00000000	0.00000000	0.00000000
## 16.46	0.00000000	0.00000000	0.00000000	0.00000000
## 16.47	0.04347826	0.21739130	0.00000000	0.00000000
## 16.48	0.00000000	0.00000000	0.00000000	0.00000000
## 16.5	0.11764706	0.05882353	0.00000000	0.00000000
## 16.51	0.00000000	0.00000000	0.00000000	0.00000000
## 16.52	0.00000000	0.00000000	0.00000000	0.00000000
## 16.53	0.00000000	0.00000000	0.00000000	0.00000000
## 16.55	0.00000000	0.00000000	0.00000000	0.00000000
## 16.56	0.00000000	0.00000000	0.00000000	0.00000000
## 16.57	0.00000000	0.00000000	0.00000000	0.00000000
## 16.58	0.00000000	0.00000000	0.00000000	0.00000000
## 16.59	0.00000000	0.16666667	0.00000000	0.00000000
## 16.6	0.50000000	0.25000000	0.00000000	0.00000000
## 16.62	0.33333333	0.00000000	0.00000000	0.00000000
## 16.64	0.00000000	0.00000000	0.00000000	0.00000000
## 16.66	0.00000000	0.00000000	0.00000000	0.00000000
## 16.68	0.00000000	0.00000000	0.00000000	0.00000000
## 16.69	0.33333333	0.33333333	0.00000000	0.00000000
## 16.7	0.00000000	0.00000000	0.00000000	0.00000000
## 16.72	0.00000000	0.00000000	0.00000000	0.00000000
## 16.73	0.00000000	0.00000000	0.00000000	0.00000000
## 16.74	0.00000000	0.25000000	0.00000000	0.00000000
## 16.75	0.40000000	0.40000000	0.00000000	0.00000000
## 16.76	0.00000000	0.00000000	0.00000000	0.00000000

## 16.77	0.00000000	0.00000000	0.00000000	0.00000000
## 16.79	0.33333333	0.00000000	0.00000000	0.00000000
## 16.83	0.00000000	0.00000000	0.00000000	0.00000000
## 16.85	0.25000000	0.00000000	0.00000000	0.00000000
## 16.87	0.00000000	0.00000000	0.00000000	0.00000000
## 16.88	1.00000000	0.00000000	0.00000000	0.00000000
## 16.9	0.09090909	0.09090909	0.00000000	0.00000000
## 16.92	0.00000000	0.00000000	0.00000000	0.00000000
## 16.93	1.00000000	0.00000000	0.00000000	0.00000000
## 16.94	0.00000000	0.00000000	0.00000000	0.00000000
## 16.95	0.12903226	0.16129032	0.00000000	0.00000000
## 16.96	0.00000000	0.00000000	0.00000000	0.00000000
## 16.97	0.00000000	0.00000000	0.00000000	0.00000000
## 16.98	0.00000000	0.00000000	0.00000000	0.00000000
## 16.99	0.57142857	0.28571429	0.00000000	0.00000000
## 17	0.00000000	0.00000000	0.00000000	0.00000000
## 17.01	1.00000000	0.00000000	0.00000000	0.00000000
## 17.06	0.06666667	0.13333333	0.06666667	0.00000000
## 17.07	0.00000000	0.00000000	0.00000000	0.00000000
## 17.09	0.00000000	0.33333333	0.00000000	0.00000000
## 17.1	0.00000000	0.00000000	0.00000000	0.00000000
## 17.13	0.00000000	0.00000000	0.00000000	0.00000000
## 17.16	1.00000000	0.00000000	0.00000000	0.00000000
## 17.18	0.00000000	0.00000000	0.00000000	0.00000000
## 17.2	0.00000000	0.00000000	0.00000000	0.00000000
## 17.21	0.00000000	0.00000000	0.00000000	0.00000000
## 17.23	0.00000000	0.50000000	0.00000000	0.00000000
## 17.24	0.00000000	0.00000000	0.00000000	0.00000000
## 17.25	0.25000000	0.50000000	0.00000000	0.00000000
## 17.29	0.16666667	0.00000000	0.00000000	0.00000000
## 17.3	0.00000000	0.50000000	0.00000000	0.00000000
## 17.35	0.00000000	0.00000000	0.00000000	0.00000000
## 17.36	0.16666667	0.00000000	0.00000000	0.00000000
## 17.38	0.00000000	0.00000000	0.00000000	0.00000000
## 17.4	0.00000000	0.00000000	0.20000000	0.00000000
## 17.41	0.00000000	0.00000000	0.00000000	0.00000000
## 17.42	0.00000000	0.00000000	0.00000000	0.00000000
## 17.44	0.33333333	0.33333333	0.00000000	0.00000000
## 17.45	0.04347826	0.04347826	0.00000000	0.00000000
## 17.5	0.14705882	0.05882353	0.00000000	0.00000000
## 17.52	0.00000000	0.00000000	0.00000000	0.00000000
## 17.54	0.00000000	0.00000000	0.00000000	0.00000000
## 17.55	0.00000000	0.20000000	0.00000000	0.00000000
## 17.57	0.00000000	0.00000000	0.00000000	0.00000000
## 17.59	0.00000000	0.25000000	0.00000000	0.00000000
## 17.6	1.00000000	0.00000000	0.00000000	0.00000000
## 17.61	0.00000000	0.00000000	0.00000000	0.00000000
## 17.63	0.00000000	0.50000000	0.00000000	0.00000000
## 17.69	0.33333333	0.33333333	0.00000000	0.00000000
## 17.7	0.00000000	0.00000000	0.00000000	0.00000000
## 17.74	0.16666667	0.50000000	0.00000000	0.00000000
## 17.75	0.00000000	0.00000000	0.00000000	0.00000000
## 17.76	0.00000000	1.00000000	0.00000000	0.00000000
## 17.78	0.00000000	1.00000000	0.00000000	0.00000000

## 17.79	0.14285714	0.07142857	0.00000000	0.00000000
## 17.8	0.00000000	0.00000000	0.00000000	0.00000000
## 17.81	0.00000000	0.00000000	0.00000000	0.00000000
## 17.84	0.00000000	0.00000000	0.00000000	0.00000000
## 17.85	0.00000000	0.33333333	0.00000000	0.00000000
## 17.89	0.50000000	0.50000000	0.00000000	0.00000000
## 17.9	0.16216216	0.05405405	0.00000000	0.00000000
## 17.91	1.00000000	0.00000000	0.00000000	0.00000000
## 17.95	0.09523810	0.09523810	0.00000000	0.00000000
## 17.99	0.10000000	0.50000000	0.00000000	0.00000000
## 18	0.10000000	0.20000000	0.00000000	0.00000000
## 18.03	0.12500000	0.12500000	0.00000000	0.00000000
## 18.04	0.00000000	0.00000000	0.00000000	0.00000000
## 18.06	0.00000000	0.00000000	0.00000000	0.00000000
## 18.08	0.00000000	0.00000000	0.00000000	0.00000000
## 18.15	0.00000000	1.00000000	0.00000000	0.00000000
## 18.19	0.33333333	0.33333333	0.00000000	0.00000000
## 18.2	0.00000000	0.00000000	0.00000000	0.00000000
## 18.21	0.00000000	0.00000000	0.00000000	0.00000000
## 18.23	0.00000000	1.00000000	0.00000000	0.00000000
## 18.24	0.00000000	0.00000000	0.00000000	0.00000000
## 18.25	0.33333333	0.00000000	0.00000000	0.00000000
## 18.27	0.00000000	0.00000000	0.00000000	0.00000000
## 18.29	0.00000000	0.00000000	0.00000000	0.00000000
## 18.3	0.00000000	0.33333333	0.00000000	0.00000000
## 18.31	0.00000000	0.00000000	0.00000000	0.00000000
## 18.32	0.00000000	0.00000000	0.00000000	0.00000000
## 18.33	0.00000000	0.00000000	0.00000000	0.00000000
## 18.34	0.00000000	0.00000000	0.00000000	0.00000000
## 18.35	0.00000000	0.00000000	0.00000000	0.00000000
## 18.38	0.00000000	0.00000000	0.00000000	0.00000000
## 18.39	1.00000000	0.00000000	0.00000000	0.00000000
## 18.4	0.00000000	0.00000000	0.00000000	0.00000000
## 18.41	0.00000000	0.00000000	0.00000000	0.00000000
## 18.42	0.20000000	0.12000000	0.00000000	0.00000000
## 18.43	0.00000000	0.00000000	0.00000000	0.00000000
## 18.45	0.00000000	1.00000000	0.00000000	0.00000000
## 18.47	0.33333333	0.00000000	0.00000000	0.00000000
## 18.49	0.00000000	0.00000000	0.00000000	0.00000000
## 18.5	0.14285714	0.10714286	0.00000000	0.00000000
## 18.51	0.00000000	1.00000000	0.00000000	0.00000000
## 18.52	0.20000000	0.20000000	0.00000000	0.00000000
## 18.53	0.00000000	0.00000000	0.00000000	0.00000000
## 18.6	0.00000000	0.00000000	0.00000000	0.00000000
## 18.64	0.00000000	0.00000000	0.00000000	0.00000000
## 18.7	0.00000000	0.33333333	0.00000000	0.00000000
## 18.72	0.00000000	0.00000000	0.00000000	0.00000000
## 18.73	0.00000000	1.00000000	0.00000000	0.00000000
## 18.75	0.00000000	0.00000000	0.00000000	0.00000000
## 18.79	0.00000000	0.28571429	0.00000000	0.00000000
## 18.8	0.00000000	0.00000000	0.00000000	0.00000000
## 18.81	0.00000000	0.00000000	0.00000000	0.00000000
## 18.83	0.00000000	1.00000000	0.00000000	0.00000000
## 18.84	0.10000000	0.20000000	0.00000000	0.00000000

## 18.85	0.00000000	0.00000000	0.00000000	0.00000000
## 18.86	0.00000000	0.00000000	0.00000000	0.00000000
## 18.89	1.00000000	0.00000000	0.00000000	0.00000000
## 18.9	0.04081633	0.04081633	0.00000000	0.00000000
## 18.92	0.00000000	0.00000000	0.00000000	0.00000000
## 18.93	0.00000000	0.00000000	0.00000000	0.00000000
## 18.94	0.00000000	0.00000000	0.00000000	0.00000000
## 18.95	0.10526316	0.10526316	0.00000000	0.00000000
## 18.97	0.00000000	0.00000000	0.00000000	0.00000000
## 18.98	0.00000000	0.00000000	0.00000000	0.00000000
## 18.99	0.00000000	0.37500000	0.00000000	0.00000000
## 19	0.00000000	0.14285714	0.00000000	0.00000000
## 19.01	0.00000000	0.11111111	0.00000000	0.00000000
## 19.02	0.00000000	0.00000000	0.00000000	0.00000000
## 19.05	1.00000000	0.00000000	0.00000000	0.00000000
## 19.07	0.00000000	0.50000000	0.00000000	0.00000000
## 19.11	0.00000000	0.00000000	0.00000000	0.00000000
## 19.2	0.00000000	0.00000000	0.00000000	0.00000000
## 19.24	0.00000000	1.00000000	0.00000000	0.00000000
## 19.25	0.00000000	0.00000000	0.00000000	0.00000000
## 19.26	0.00000000	0.00000000	0.00000000	0.00000000
## 19.29	0.00000000	0.00000000	0.00000000	0.00000000
## 19.3	0.15000000	0.10000000	0.00000000	0.00000000
## 19.31	0.00000000	0.33333333	0.00000000	0.00000000
## 19.35	0.00000000	0.00000000	0.00000000	0.00000000
## 19.37	0.00000000	0.00000000	0.00000000	0.00000000
## 19.39	0.00000000	0.00000000	0.00000000	0.00000000
## 19.4	0.06896552	0.10344828	0.00000000	0.00000000
## 19.42	0.00000000	0.00000000	0.00000000	0.00000000
## 19.43	0.00000000	0.00000000	0.00000000	0.00000000
## 19.44	0.00000000	0.00000000	0.00000000	0.00000000
## 19.45	0.09090909	0.09090909	0.00000000	0.00000000
## 19.47	0.00000000	0.33333333	0.00000000	0.00000000
## 19.48	0.00000000	0.00000000	0.00000000	0.00000000
## 19.49	0.00000000	0.20000000	0.00000000	0.00000000
## 19.5	0.04000000	0.04000000	0.00000000	0.00000000
## 19.53	0.00000000	0.50000000	0.00000000	0.00000000
## 19.58	0.00000000	1.00000000	0.00000000	0.00000000
## 19.6	0.00000000	0.50000000	0.00000000	0.00000000
## 19.65	0.00000000	0.33333333	0.00000000	0.00000000
## 19.69	0.00000000	0.00000000	0.00000000	0.00000000
## 19.7	0.00000000	0.00000000	0.00000000	0.00000000
## 19.72	0.00000000	0.00000000	0.00000000	0.00000000
## 19.75	0.00000000	0.00000000	0.00000000	0.00000000
## 19.77	0.00000000	0.00000000	0.00000000	0.00000000
## 19.79	0.00000000	0.50000000	0.00000000	0.00000000
## 19.8	0.40000000	0.00000000	0.00000000	0.00000000
## 19.82	0.00000000	0.00000000	0.00000000	0.00000000
## 19.85	0.00000000	0.00000000	0.00000000	0.00000000
## 19.86	0.00000000	0.00000000	0.00000000	0.00000000
## 19.87	0.00000000	0.33333333	0.00000000	0.00000000
## 19.88	0.00000000	0.00000000	0.00000000	0.00000000
## 19.89	0.00000000	0.75000000	0.00000000	0.00000000
## 19.9	0.14545455	0.03636364	0.00000000	0.00000000

235

236

## 22.69	0.00000000	0.00000000	0.00000000	0.00000000
## 22.7	0.00000000	0.25000000	0.00000000	0.00000000
## 22.71	0.00000000	0.00000000	0.00000000	0.00000000
## 22.75	0.00000000	0.00000000	0.00000000	0.00000000
## 22.78	0.00000000	0.00000000	0.00000000	0.00000000
## 22.79	0.00000000	0.00000000	0.00000000	0.00000000
## 22.8	0.00000000	0.50000000	0.00000000	0.00000000
## 22.85	0.00000000	1.00000000	0.00000000	0.00000000
## 22.89	0.00000000	0.00000000	0.00000000	0.00000000
## 22.9	0.10000000	0.05000000	0.00000000	0.00000000
## 22.91	0.00000000	0.20000000	0.20000000	0.00000000
## 22.94	0.00000000	1.00000000	0.00000000	0.00000000
## 22.95	0.00000000	0.25000000	0.00000000	0.00000000
## 22.99	0.22222222	0.00000000	0.00000000	0.00000000
## 23	0.00000000	0.25000000	0.00000000	0.00000000
## 23.01	0.00000000	0.00000000	0.00000000	0.00000000
## 23.05	0.00000000	0.00000000	0.00000000	0.00000000
## 23.06	0.00000000	0.00000000	0.00000000	0.00000000
## 23.08	0.00000000	0.00000000	0.00000000	0.00000000
## 23.09	0.00000000	0.00000000	0.00000000	0.00000000
## 23.1	0.00000000	0.00000000	0.00000000	0.00000000
## 23.11	0.00000000	0.00000000	0.00000000	0.00000000
## 23.15	0.25000000	0.00000000	0.00000000	0.00000000
## 23.16	0.00000000	0.00000000	0.00000000	0.00000000
## 23.17	0.00000000	0.00000000	1.00000000	0.00000000
## 23.19	0.00000000	0.00000000	0.00000000	0.00000000
## 23.2	0.00000000	0.00000000	0.00000000	0.00000000
## 23.23	0.33333333	0.00000000	0.00000000	0.00000000
## 23.25	0.00000000	0.00000000	0.00000000	0.00000000
## 23.29	0.10000000	0.00000000	0.00000000	0.00000000
## 23.3	0.00000000	0.50000000	0.00000000	0.00000000
## 23.33	1.00000000	0.00000000	0.00000000	0.00000000
## 23.34	0.00000000	0.00000000	0.00000000	0.00000000
## 23.35	0.00000000	0.00000000	0.00000000	0.00000000
## 23.38	0.00000000	0.00000000	0.00000000	0.00000000
## 23.39	0.00000000	0.00000000	0.00000000	0.00000000
## 23.4	0.00000000	0.20000000	0.00000000	0.00000000
## 23.45	0.00000000	0.00000000	0.00000000	0.00000000
## 23.49	0.00000000	0.20000000	0.00000000	0.00000000
## 23.5	0.20000000	0.00000000	0.00000000	0.00000000
## 23.52	0.00000000	0.00000000	0.00000000	0.00000000
## 23.61	0.00000000	0.00000000	0.00000000	0.00000000
## 23.65	0.00000000	0.33333333	0.00000000	0.00000000
## 23.68	0.33333333	0.00000000	0.00000000	0.00000000
## 23.7	0.00000000	0.00000000	0.00000000	0.00000000
## 23.75	0.25000000	0.25000000	0.00000000	0.00000000
## 23.79	0.50000000	0.25000000	0.00000000	0.00000000
## 23.8	0.00000000	0.00000000	0.00000000	0.00000000
## 23.88	0.00000000	0.00000000	0.00000000	0.00000000
## 23.89	1.00000000	0.00000000	0.00000000	0.00000000
## 23.9	0.17647059	0.05882353	0.00000000	0.00000000
## 23.91	0.00000000	0.00000000	0.00000000	0.00000000
## 23.94	0.00000000	0.00000000	0.00000000	0.00000000
## 23.95	0.00000000	0.00000000	0.00000000	0.00000000

## 23.99	0.00000000	0.00000000	0.00000000	0.00000000
## 24	0.00000000	0.00000000	0.00000000	0.00000000
## 24.01	0.00000000	0.00000000	0.00000000	0.00000000
## 24.08	0.00000000	0.00000000	0.00000000	0.00000000
## 24.09	0.00000000	0.00000000	0.00000000	0.00000000
## 24.1	0.00000000	0.00000000	0.00000000	0.00000000
## 24.12	0.00000000	0.00000000	0.00000000	0.00000000
## 24.14	0.00000000	1.00000000	0.00000000	0.00000000
## 24.15	0.00000000	0.00000000	0.00000000	0.00000000
## 24.17	0.00000000	0.33333333	0.00000000	0.00000000
## 24.18	0.00000000	0.25000000	0.00000000	0.00000000
## 24.19	0.00000000	0.00000000	0.00000000	0.00000000
## 24.2	0.00000000	0.00000000	0.00000000	0.00000000
## 24.24	0.33333333	0.00000000	0.00000000	0.00000000
## 24.26	0.00000000	0.00000000	0.00000000	0.00000000
## 24.27	0.07142857	0.07142857	0.00000000	0.00000000
## 24.3	0.00000000	0.00000000	0.00000000	0.00000000
## 24.32	0.50000000	0.00000000	0.00000000	0.00000000
## 24.33	0.00000000	0.00000000	0.00000000	0.00000000
## 24.34	0.00000000	0.00000000	0.00000000	0.00000000
## 24.37	0.00000000	0.16666667	0.00000000	0.00000000
## 24.39	0.00000000	0.00000000	0.00000000	0.00000000
## 24.45	0.00000000	0.00000000	0.00000000	0.00000000
## 24.49	0.25000000	0.00000000	0.00000000	0.00000000
## 24.5	0.20000000	0.30000000	0.00000000	0.00000000
## 24.57	0.00000000	0.00000000	0.00000000	0.00000000
## 24.59	0.00000000	0.00000000	0.00000000	0.00000000
## 24.63	0.00000000	0.00000000	0.00000000	0.00000000
## 24.69	0.00000000	0.00000000	0.00000000	0.00000000
## 24.7	0.00000000	1.00000000	0.00000000	0.00000000
## 24.73	0.00000000	0.00000000	0.00000000	0.00000000
## 24.74	0.00000000	0.00000000	0.00000000	0.00000000
## 24.75	0.00000000	0.00000000	0.00000000	0.00000000
## 24.8	0.00000000	0.00000000	0.00000000	0.00000000
## 24.85	0.00000000	0.33333333	0.00000000	0.00000000
## 24.86	0.00000000	0.00000000	0.00000000	0.00000000
## 24.88	0.00000000	0.00000000	0.00000000	0.00000000
## 24.89	0.00000000	0.00000000	0.00000000	0.00000000
## 24.9	0.13636364	0.00000000	0.00000000	0.00000000
## 24.91	0.33333333	0.00000000	0.00000000	0.00000000
## 24.95	0.11111111	0.11111111	0.00000000	0.00000000
## 24.99	0.00000000	0.33333333	0.00000000	0.00000000
## 25	0.00000000	0.00000000	0.00000000	0.10000000
## 25.02	0.00000000	0.00000000	0.00000000	0.00000000
## 25.04	0.00000000	0.00000000	0.00000000	0.00000000
## 25.1	0.50000000	0.00000000	0.00000000	0.00000000
## 25.12	0.00000000	0.00000000	0.00000000	0.00000000
## 25.13	0.00000000	0.00000000	0.00000000	0.00000000
## 25.15	0.00000000	0.50000000	0.00000000	0.00000000
## 25.16	0.00000000	0.00000000	0.00000000	0.00000000
## 25.2	0.00000000	1.00000000	0.00000000	0.00000000
## 25.24	0.00000000	0.00000000	0.00000000	0.00000000
## 25.25	0.00000000	0.00000000	0.00000000	0.00000000
## 25.26	0.50000000	0.00000000	0.00000000	0.00000000

[illegible]

## 26.7	0.00000000	0.11111111	0.00000000	0.00000000
## 26.77	0.00000000	0.00000000	0.00000000	0.00000000
## 26.8	0.00000000	0.00000000	0.00000000	0.00000000
## 26.81	0.00000000	0.14285714	0.14285714	0.00000000
## 26.85	0.00000000	1.00000000	0.00000000	0.00000000
## 26.89	0.00000000	0.00000000	0.00000000	0.00000000
## 26.9	0.05263158	0.05263158	0.00000000	0.00000000
## 26.92	0.00000000	0.00000000	0.00000000	0.00000000
## 26.95	0.16666667	0.00000000	0.00000000	0.00000000
## 26.99	0.33333333	0.00000000	0.00000000	0.00000000
## 27	0.00000000	0.00000000	0.00000000	0.00000000
## 27.04	0.00000000	0.00000000	0.00000000	0.00000000
## 27.06	0.20000000	0.00000000	0.00000000	0.00000000
## 27.09	0.00000000	0.00000000	0.00000000	0.00000000
## 27.1	0.33333333	0.33333333	0.00000000	0.00000000
## 27.11	0.00000000	0.00000000	0.00000000	0.00000000
## 27.13	0.00000000	0.00000000	0.00000000	0.00000000
## 27.15	0.00000000	0.33333333	0.00000000	0.00000000
## 27.2	0.00000000	0.11111111	0.00000000	0.00000000
## 27.25	0.00000000	0.33333333	0.00000000	0.00000000
## 27.26	0.00000000	0.00000000	0.00000000	0.00000000
## 27.27	0.00000000	0.00000000	0.00000000	0.00000000
## 27.28	0.00000000	0.00000000	0.00000000	0.00000000
## 27.29	0.00000000	0.00000000	0.11111111	0.00000000
## 27.3	0.00000000	0.00000000	0.00000000	0.00000000
## 27.32	0.00000000	0.25000000	0.00000000	0.00000000
## 27.36	0.00000000	0.66666667	0.00000000	0.00000000
## 27.4	0.00000000	1.00000000	0.00000000	0.00000000
## 27.43	0.00000000	0.00000000	0.00000000	0.00000000
## 27.5	0.14285714	0.00000000	0.00000000	0.00000000
## 27.59	0.00000000	0.00000000	0.00000000	0.00000000
## 27.6	0.00000000	0.00000000	0.00000000	0.00000000
## 27.65	0.00000000	0.00000000	0.00000000	0.00000000
## 27.68	0.00000000	0.00000000	0.00000000	0.00000000
## 27.69	0.00000000	0.00000000	0.00000000	0.00000000
## 27.71	0.00000000	0.00000000	0.00000000	0.00000000
## 27.75	0.00000000	0.00000000	0.66666667	0.00000000
## 27.78	0.00000000	0.12500000	0.12500000	0.00000000
## 27.79	1.00000000	0.00000000	0.00000000	0.00000000
## 27.82	0.50000000	0.00000000	0.00000000	0.00000000
## 27.89	1.00000000	0.00000000	0.00000000	0.00000000
## 27.9	0.00000000	0.09090909	0.00000000	0.00000000
## 27.95	0.14285714	0.00000000	0.00000000	0.00000000
## 27.96	0.00000000	0.00000000	0.00000000	0.00000000
## 27.99	0.00000000	0.00000000	0.00000000	0.00000000
## 28	0.00000000	0.33333333	0.00000000	0.00000000
## 28.01	0.00000000	0.00000000	0.00000000	0.00000000
## 28.03	0.00000000	0.00000000	0.00000000	0.00000000
## 28.06	0.00000000	1.00000000	0.00000000	0.00000000
## 28.07	0.00000000	0.00000000	0.00000000	0.00000000
## 28.08	0.00000000	0.00000000	0.00000000	0.00000000
## 28.09	0.00000000	0.00000000	0.00000000	0.00000000
## 28.1	0.00000000	0.50000000	0.00000000	0.00000000
## 28.12	0.00000000	0.00000000	0.00000000	0.00000000

242

## 35.77	0.00000000	0.00000000	0.00000000	0.00000000
## 35.84	0.00000000	0.00000000	0.00000000	0.00000000
## 35.85	0.00000000	0.00000000	0.00000000	0.00000000
## 35.89	0.00000000	0.00000000	0.00000000	0.00000000
## 35.9	0.00000000	0.00000000	0.00000000	0.00000000
## 35.95	0.00000000	0.16666667	0.00000000	0.00000000
## 35.97	0.00000000	0.20000000	0.00000000	0.00000000
## 35.99	0.00000000	0.50000000	0.00000000	0.00000000
## 36	0.28571429	0.14285714	0.00000000	0.00000000
## 36.06	0.00000000	0.00000000	0.00000000	0.00000000
## 36.11	0.25000000	0.00000000	0.00000000	0.00000000
## 36.15	0.00000000	0.00000000	0.00000000	0.00000000
## 36.18	0.00000000	0.00000000	0.00000000	0.00000000
## 36.3	0.00000000	0.00000000	0.00000000	0.00000000
## 36.33	0.00000000	0.00000000	0.00000000	0.00000000
## 36.37	0.50000000	0.00000000	0.00000000	0.00000000
## 36.38	0.00000000	0.00000000	0.00000000	0.00000000
## 36.45	0.00000000	0.00000000	0.00000000	0.00000000
## 36.5	0.42857143	0.00000000	0.00000000	0.00000000
## 36.52	0.00000000	0.50000000	0.00000000	0.00000000
## 36.55	0.00000000	0.00000000	0.00000000	0.00000000
## 36.56	0.00000000	0.20000000	0.00000000	0.00000000
## 36.58	0.00000000	0.00000000	0.00000000	0.00000000
## 36.63	0.00000000	0.00000000	0.00000000	0.00000000
## 36.7	0.00000000	0.00000000	0.00000000	0.00000000
## 36.71	0.00000000	0.00000000	0.00000000	0.00000000
## 36.74	0.00000000	0.50000000	0.00000000	0.00000000
## 36.75	0.00000000	0.00000000	0.00000000	0.00000000
## 36.76	0.00000000	0.00000000	0.00000000	0.00000000
## 36.79	1.00000000	0.00000000	0.00000000	0.00000000
## 36.83	0.00000000	0.00000000	0.00000000	0.00000000
## 36.85	0.00000000	0.33333333	0.00000000	0.00000000
## 36.89	0.00000000	1.00000000	0.00000000	0.00000000
## 36.9	0.12500000	0.00000000	0.12500000	0.00000000
## 36.95	0.00000000	0.16666667	0.00000000	0.00000000
## 36.99	0.00000000	0.66666667	0.00000000	0.00000000
## 37	0.00000000	0.33333333	0.00000000	0.00000000
## 37.03	0.00000000	0.00000000	0.00000000	0.00000000
## 37.04	0.00000000	0.09090909	0.00000000	0.00000000
## 37.3	0.00000000	1.00000000	0.00000000	0.00000000
## 37.34	0.00000000	0.00000000	0.00000000	0.00000000
## 37.43	0.00000000	0.00000000	0.00000000	0.00000000
## 37.45	0.00000000	0.00000000	0.00000000	0.00000000
## 37.5	0.00000000	0.00000000	0.00000000	0.00000000
## 37.53	0.00000000	0.00000000	0.00000000	0.00000000
## 37.56	0.00000000	0.00000000	0.00000000	0.00000000
## 37.63	0.00000000	0.00000000	0.00000000	0.00000000
## 37.64	0.00000000	0.00000000	0.00000000	0.00000000
## 37.73	0.00000000	0.00000000	0.00000000	0.00000000
## 37.79	0.00000000	0.00000000	0.00000000	0.00000000
## 37.82	0.00000000	0.33333333	0.00000000	0.00000000
## 37.83	0.00000000	0.00000000	0.00000000	0.00000000
## 37.85	0.00000000	0.00000000	0.00000000	0.00000000
## 37.9	0.00000000	0.00000000	0.00000000	0.00000000

## 37.92	0.00000000	0.33333333	0.00000000	0.00000000
## 37.95	0.00000000	0.50000000	0.00000000	0.00000000
## 37.97	0.00000000	0.00000000	0.00000000	0.00000000
## 37.98	0.00000000	0.00000000	0.00000000	0.00000000
## 37.99	0.00000000	1.00000000	0.00000000	0.00000000
## 38	0.00000000	0.00000000	0.00000000	0.00000000
## 38.01	0.00000000	0.14285714	0.00000000	0.00000000
## 38.02	0.00000000	0.09090909	0.00000000	0.00000000
## 38.09	0.00000000	0.00000000	0.00000000	0.00000000
## 38.3	0.00000000	0.00000000	0.00000000	0.00000000
## 38.41	0.00000000	0.50000000	0.00000000	0.00000000
## 38.5	0.00000000	0.14285714	0.00000000	0.00000000
## 38.54	0.00000000	0.00000000	0.00000000	0.00000000
## 38.56	0.00000000	0.00000000	0.00000000	0.00000000
## 38.57	0.00000000	0.00000000	0.00000000	0.00000000
## 38.6	0.00000000	0.00000000	0.00000000	0.00000000
## 38.69	0.00000000	0.00000000	0.00000000	0.00000000
## 38.7	0.00000000	0.00000000	0.00000000	0.00000000
## 38.75	0.00000000	0.00000000	0.00000000	0.00000000
## 38.79	0.00000000	0.50000000	0.00000000	0.00000000
## 38.8	0.00000000	0.33333333	0.00000000	0.00000000
## 38.89	0.00000000	0.00000000	0.00000000	0.00000000
## 38.9	0.00000000	0.40000000	0.00000000	0.00000000
## 38.91	0.00000000	0.00000000	0.00000000	0.00000000
## 38.94	0.09090909	0.00000000	0.00000000	0.00000000
## 38.95	0.00000000	0.25000000	0.00000000	0.00000000
## 38.96	0.00000000	0.00000000	0.00000000	0.00000000
## 38.99	0.20000000	0.00000000	0.00000000	0.00000000
## 39	0.00000000	0.00000000	0.00000000	0.00000000
## 39.15	0.00000000	0.00000000	0.00000000	0.00000000
## 39.19	0.50000000	0.00000000	0.00000000	0.00000000
## 39.47	0.00000000	0.00000000	0.00000000	0.00000000
## 39.48	0.00000000	0.00000000	0.00000000	0.00000000
## 39.5	0.00000000	0.22222222	0.00000000	0.00000000
## 39.58	0.00000000	0.00000000	0.00000000	0.00000000
## 39.69	0.00000000	0.00000000	0.00000000	0.00000000
## 39.79	0.00000000	0.00000000	0.00000000	0.00000000
## 39.87	0.00000000	0.00000000	0.00000000	0.00000000
## 39.89	0.00000000	1.00000000	0.00000000	0.00000000
## 39.9	0.00000000	0.04166667	0.00000000	0.00000000
## 39.95	0.03333333	0.10000000	0.00000000	0.00000000
## 39.98	0.00000000	0.00000000	0.00000000	0.00000000
## 39.99	0.00000000	0.66666667	0.00000000	0.00000000
## 40	0.00000000	0.00000000	0.00000000	0.00000000
## 40.09	0.00000000	0.00000000	0.00000000	0.00000000
## 40.1	0.00000000	0.00000000	0.00000000	0.00000000
## 40.16	0.00000000	0.00000000	0.00000000	0.00000000
## 40.19	0.00000000	0.00000000	0.00000000	0.00000000
## 40.25	0.00000000	0.00000000	0.00000000	0.00000000
## 40.26	0.00000000	0.00000000	0.00000000	0.00000000
## 40.28	0.00000000	0.00000000	0.00000000	0.00000000
## 40.34	0.00000000	0.00000000	0.00000000	0.00000000
## 40.39	0.00000000	0.00000000	0.00000000	0.00000000
## 40.4	0.00000000	0.00000000	0.00000000	0.00000000

## 48.74	0.00000000	0.00000000	0.00000000	0.00000000
## 48.76	0.00000000	0.00000000	0.00000000	0.00000000
## 48.79	0.00000000	0.00000000	0.00000000	0.00000000
## 48.9	0.00000000	0.00000000	0.00000000	0.00000000
## 48.95	0.00000000	0.00000000	0.00000000	0.00000000
## 49	0.00000000	0.00000000	0.00000000	0.00000000
## 49.02	0.00000000	0.00000000	0.00000000	0.00000000
## 49.09	1.00000000	0.00000000	0.00000000	0.00000000
## 49.37	0.00000000	0.00000000	0.00000000	0.00000000
## 49.47	0.00000000	0.00000000	0.00000000	0.00000000
## 49.5	0.00000000	0.00000000	0.00000000	0.00000000
## 49.55	0.00000000	0.00000000	0.00000000	0.00000000
## 49.6	0.00000000	1.00000000	0.00000000	0.00000000
## 49.75	0.00000000	1.00000000	0.00000000	0.00000000
## 49.76	0.00000000	0.00000000	0.00000000	0.00000000
## 49.77	0.00000000	0.00000000	0.00000000	0.00000000
## 49.88	0.00000000	0.00000000	0.00000000	0.00000000
## 49.9	0.00000000	0.00000000	0.00000000	0.00000000
## 49.95	0.00000000	0.00000000	0.00000000	0.00000000
## 49.98	0.00000000	0.00000000	0.00000000	0.00000000
## 49.99	0.00000000	0.00000000	0.00000000	0.00000000
## 50	0.00000000	0.00000000	0.00000000	0.00000000
## 50.09	0.00000000	1.00000000	0.00000000	0.00000000
## 50.11	0.00000000	0.00000000	0.00000000	0.00000000
## 50.19	0.00000000	0.00000000	0.00000000	0.00000000
## 50.33	0.00000000	0.00000000	0.00000000	0.00000000
## 50.43	0.00000000	0.00000000	0.00000000	0.00000000
## 50.47	0.00000000	0.00000000	0.00000000	0.00000000
## 50.56	1.00000000	0.00000000	0.00000000	0.00000000
## 50.6	0.00000000	0.00000000	0.00000000	0.00000000
## 50.67	0.33333333	0.00000000	0.00000000	0.00000000
## 50.69	0.00000000	0.00000000	0.00000000	0.00000000
## 50.85	0.00000000	0.00000000	0.00000000	0.00000000
## 50.9	0.00000000	0.00000000	0.00000000	0.00000000
## 50.95	0.00000000	0.00000000	0.00000000	0.00000000
## 51.15	0.00000000	0.00000000	0.00000000	0.00000000
##	CountryUnited Kingdom	CountryUnited States	CountryUruguay	Rating
## 3.55	0.00000000	0.00000000	0.00000000	1.00000000
## 3.7	0.00000000	0.00000000	0.00000000	1.00000000
## 3.74	0.00000000	0.00000000	0.00000000	1.00000000
## 3.75	0.00000000	0.00000000	0.00000000	1.00000000
## 3.79	0.00000000	0.00000000	0.00000000	1.00000000
## 3.95	0.00000000	0.00000000	0.00000000	1.00000000
## 3.99	0.00000000	0.00000000	0.00000000	1.00000000
## 4	0.00000000	0.00000000	0.00000000	1.00000000
## 4.15	0.00000000	0.00000000	0.00000000	1.00000000
## 4.16	0.00000000	0.00000000	0.00000000	1.00000000
## 4.25	0.00000000	0.00000000	0.00000000	0.75000000
## 4.28	0.00000000	0.00000000	0.00000000	1.00000000
## 4.29	0.00000000	0.00000000	0.00000000	1.00000000
## 4.3	0.00000000	0.00000000	0.00000000	1.00000000
## 4.31	0.00000000	0.00000000	0.00000000	1.00000000
## 4.38	0.00000000	0.00000000	0.00000000	1.00000000
## 4.4	0.00000000	0.00000000	0.00000000	1.00000000

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##	10.63	0.00000000	0.00000000	0.00000000
##	10.65	0.00000000	0.00000000	0.00000000
##	10.66	0.00000000	0.00000000	0.00000000
##	10.67	0.00000000	0.00000000	0.00000000
##	10.68	0.00000000	0.00000000	0.00000000
##	10.69	0.00000000	0.11111111	0.00000000
##	10.7	0.00000000	0.00000000	0.00000000
##	10.71	0.00000000	0.20000000	0.00000000
##	10.72	0.00000000	0.00000000	0.00000000
##	10.74	0.00000000	0.00000000	0.00000000
##	10.75	0.00000000	0.00000000	0.00000000
##	10.79	0.00000000	0.00000000	0.00000000
##	10.8	0.00000000	0.00000000	0.00000000
##	10.82	0.00000000	0.00000000	0.00000000
##	10.84	0.00000000	0.00000000	0.00000000
##	10.85	0.00000000	0.00000000	0.00000000
##	10.86	0.00000000	0.00000000	0.00000000
##	10.88	0.00000000	0.00000000	0.00000000
##	10.89	0.00000000	0.16666667	0.00000000
##	10.9	0.00000000	0.03278689	0.00000000
##	10.91	0.00000000	0.00000000	0.00000000
##	10.92	0.00000000	0.00000000	0.00000000
##	10.93	0.00000000	0.00000000	0.00000000
##	10.94	0.00000000	0.00000000	0.00000000
##	10.95	0.00000000	0.03846154	0.00000000
##	10.96	0.00000000	0.00000000	0.00000000
##	10.97	0.00000000	0.00000000	0.00000000
##	10.98	0.00000000	0.00000000	0.00000000
##	10.99	0.00000000	0.05263158	0.00000000
##	11	0.00000000	0.00000000	0.00000000
##	11.01	0.00000000	0.00000000	0.00000000
##	11.02	0.00000000	0.00000000	0.00000000
##	11.04	0.00000000	0.00000000	0.00000000
##	11.05	0.00000000	0.00000000	0.00000000
##	11.06	0.00000000	0.00000000	0.00000000
##	11.07	0.00000000	0.00000000	0.00000000
##	11.08	0.00000000	0.00000000	0.00000000
##	11.09	0.00000000	0.00000000	0.00000000
##	11.11	0.00000000	0.00000000	0.00000000
##	11.13	0.00000000	0.00000000	0.00000000
##	11.15	0.00000000	0.33333333	0.00000000
##	11.16	0.00000000	0.00000000	0.00000000
##	11.17	0.00000000	0.00000000	0.00000000
##	11.18	0.00000000	0.00000000	0.00000000
##	11.19	0.00000000	0.10000000	0.00000000
##	11.2	0.00000000	0.00000000	0.00000000
##	11.21	0.00000000	0.00000000	0.00000000
##	11.23	0.00000000	0.00000000	0.00000000
##	11.25	0.00000000	0.00000000	0.00000000
##	11.26	0.00000000	0.00000000	0.00000000
##	11.27	0.00000000	0.00000000	0.00000000
##	11.3	0.00000000	0.00000000	0.00000000
##	11.31	0.00000000	0.00000000	0.00000000
##	11.35	0.00000000	0.00000000	0.00000000

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269

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##	26.21	0.00000000	0.00000000	0.00000000
##	26.22	0.00000000	0.20000000	0.00000000
##	26.23	0.00000000	0.00000000	0.00000000
##	26.25	0.00000000	0.00000000	0.00000000
##	26.27	0.00000000	0.25000000	0.00000000
##	26.31	0.00000000	0.75000000	0.00000000
##	26.32	0.00000000	0.00000000	0.00000000
##	26.36	0.00000000	0.00000000	0.00000000
##	26.39	0.00000000	0.00000000	0.00000000
##	26.47	0.00000000	0.00000000	0.00000000
##	26.48	0.00000000	0.00000000	0.00000000
##	26.5	0.00000000	0.08333333	0.00000000
##	26.55	0.00000000	0.50000000	0.00000000
##	26.61	0.00000000	0.00000000	0.00000000
##	26.66	0.00000000	0.00000000	0.00000000
##	26.69	0.00000000	0.00000000	0.00000000
##	26.7	0.00000000	0.11111111	0.00000000
##	26.77	0.00000000	0.00000000	0.00000000
##	26.8	0.00000000	0.00000000	0.00000000
##	26.81	0.00000000	0.00000000	0.00000000
##	26.85	0.00000000	0.00000000	0.00000000
##	26.89	0.00000000	0.00000000	0.00000000
##	26.9	0.00000000	0.05263158	0.00000000
##	26.92	0.00000000	0.00000000	0.00000000
##	26.95	0.00000000	0.00000000	0.00000000
##	26.99	0.00000000	0.00000000	0.00000000
##	27	0.00000000	0.00000000	0.00000000
##	27.04	0.00000000	0.00000000	0.00000000
##	27.06	0.00000000	0.00000000	0.00000000
##	27.09	0.00000000	0.00000000	0.00000000
##	27.1	0.00000000	0.00000000	0.00000000
##	27.11	0.00000000	0.00000000	0.00000000
##	27.13	0.00000000	1.00000000	0.00000000
##	27.15	0.00000000	0.16666667	0.00000000
##	27.2	0.00000000	0.00000000	0.00000000
##	27.25	0.00000000	0.00000000	0.00000000
##	27.26	0.00000000	0.00000000	0.00000000
##	27.27	0.00000000	0.00000000	0.00000000
##	27.28	0.00000000	0.00000000	0.00000000
##	27.29	0.00000000	0.11111111	0.00000000
##	27.3	0.00000000	0.00000000	0.00000000
##	27.32	0.00000000	0.25000000	0.00000000
##	27.36	0.00000000	0.00000000	0.00000000
##	27.4	0.00000000	0.00000000	0.00000000
##	27.43	0.00000000	0.00000000	0.00000000
##	27.5	0.00000000	0.00000000	0.00000000
##	27.59	0.00000000	0.00000000	0.00000000
##	27.6	0.00000000	0.00000000	0.00000000
##	27.65	0.00000000	0.00000000	0.00000000
##	27.68	0.00000000	0.00000000	0.00000000
##	27.69	0.00000000	0.00000000	0.00000000
##	27.71	0.00000000	0.00000000	0.00000000
##	27.75	0.00000000	0.00000000	0.00000000
##	27.78	0.00000000	0.00000000	0.00000000

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276

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## 3.7	25.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 3.74	125.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 3.75	37.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 3.79	30.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 3.95	65.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 3.99	350.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.15	47.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.16	137.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.25	57.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.28	41.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.29	227.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.3	132.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.31	212.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.38	27.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.4	167.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.44	41.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.45	66.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.5	26.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.55	343.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.57	110.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.6	251.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.63	93.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.65	58.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.66	1700.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.67	28.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.7	157.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.73	292.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.74	221.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.75	592.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.76	709.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.78	3393.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.79	294.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.8	320.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.82	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.83	108.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.84	106.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.85	383.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.86	256.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.89	510.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.9	401.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.92	44.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.94	29.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.95	268.83333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 4.99	239.28571	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.02	113.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.03	35.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.1	313.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.12	590.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.14	243.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.15	123.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.16	121.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.2	209.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 5.21	595.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.23	30.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.25	199.14286	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.28	85.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.29	335.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.3	1364.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.31	109.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.32	1183.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.33	225.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.35	77.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.36	273.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.38	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.4	94.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.42	25.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.43	685.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.45	56.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.46	296.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.49	251.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.5	135.89474	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.51	429.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.52	144.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.53	332.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.54	98.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.55	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.56	46.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.59	54.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.6	114.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.61	242.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.62	47.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.63	50.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.64	274.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.65	296.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.68	52.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.69	220.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.7	365.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.71	88.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.72	113.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.74	259.71429	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.75	174.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.76	178.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.77	97.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.79	115.72222	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.8	173.38462	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.81	279.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.82	56.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.84	40.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.85	83.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.89	216.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.9	276.34615	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.94	46.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.95	159.27273	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.98	137.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 5.99	294.63158	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6	265.63636	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 6.02	39.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.03	466.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.05	199.85714	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.09	217.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.1	90.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.12	47.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.13	143.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.15	87.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.16	60.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.19	243.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.2	305.10000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.21	547.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.23	33.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.24	28.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.25	106.45455	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.26	64.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.29	283.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.3	684.72222	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.31	334.44444	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.32	96.10000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.33	369.13333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.34	703.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.35	94.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.39	140.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.4	78.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.41	64.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.42	239.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.43	76.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.44	61.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.45	245.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.49	160.60000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.5	392.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.51	48.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.53	405.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.54	289.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.55	69.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.57	6780.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.58	347.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.59	97.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.6	154.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.61	123.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.62	100.60000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.63	410.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.64	746.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.65	112.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.66	28.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.68	102.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.69	129.44444	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.7	474.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.72	95.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.73	204.20833	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.75	366.95652	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.77	502.85714	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.78	290.71429	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 6.79	85.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.8	215.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.81	399.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.83	151.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.84	384.28571	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.85	160.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.86	315.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.88	154.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.89	330.71429	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.9	295.13333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.92	238.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.93	96.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.94	71.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.95	346.57500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.96	238.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.97	256.28571	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 6.99	250.15789	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7	143.85714	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.02	83.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.04	224.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.05	25.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.06	246.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.08	243.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.09	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.1	1895.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.13	276.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.15	443.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.18	116.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.19	284.85714	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.2	299.83333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.21	42.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.22	373.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.23	100.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.24	67.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.25	247.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.26	277.14286	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.27	306.92308	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.28	97.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.29	1145.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.3	112.22222	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.31	381.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.32	142.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.34	332.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.35	632.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.36	793.76923	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.37	64.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.39	170.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.4	492.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.41	27.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.42	152.14286	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.44	231.36364	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.45	326.10526	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.47	183.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 7.48	150.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 7.49	123.85714	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.5	276.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.51	132.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.52	105.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.53	98.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.55	255.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.58	72.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.59	801.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.6	219.70588	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.63	153.55556	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.64	41.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.65	195.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.66	189.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.67	183.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.69	105.28571	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.7	263.35714	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.71	844.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.72	47.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.73	28.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.74	57.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.75	150.53333	0.00000000	0.00000000	0.00000000	0.00000000	0.03333333
## 7.77	68.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.78	40.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.79	346.70000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.8	437.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.81	39.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.83	258.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.84	97.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.85	291.71429	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.87	125.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.88	347.80000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.89	1574.73333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.9	254.19643	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.93	48.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.94	371.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.95	334.02632	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.96	1815.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.99	556.52941	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8	154.83333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.04	56.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.07	27.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.09	41.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.1	1273.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.11	177.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.14	1270.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.15	86.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.16	274.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.17	37.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.18	357.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.19	232.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.2	130.87500	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.21	210.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.22	65.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.24	93.80000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 8.25	478.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.27	32.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.28	384.10000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.29	174.22727	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.31	153.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.32	119.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.33	249.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.35	188.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.36	1145.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.37	1602.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.38	78.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.39	418.60000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.4	157.42857	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.41	143.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.43	1610.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.44	198.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.45	459.63636	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.47	2864.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.48	983.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.49	413.64000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.5	218.26087	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.52	1069.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.53	86.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.54	58.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.55	39.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.56	62.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.57	93.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.58	81.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.59	319.20000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.6	275.12500	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.61	306.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.62	197.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.63	495.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.64	150.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.65	393.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.66	229.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.67	75.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.68	191.48000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.69	184.42857	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.7	467.08333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.71	352.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.72	272.95556	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.73	858.20000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.74	61.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.75	239.07692	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.76	115.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.77	63.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.78	233.53333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.79	430.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.8	164.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.83	511.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.84	32.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.85	953.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.87	520.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 8.89	534.16667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.9	220.33824	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.92	272.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.93	84.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.94	66.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.95	563.32500	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.96	53.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.97	248.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.98	89.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.99	497.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9	84.28571	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.05	67.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.08	306.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.09	111.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.1	305.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.11	58.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.12	271.57143	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.13	94.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.15	125.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.16	1000.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.17	173.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.19	295.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.2	90.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.21	120.42857	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.22	473.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.23	197.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.24	115.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.25	982.92308	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.26	145.87097	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.28	117.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.29	480.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.3	108.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.31	44.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.34	170.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.35	217.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.36	498.83333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.37	97.70000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.39	201.63636	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.4	286.84615	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.42	73.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.44	123.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.45	146.90000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.46	51.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.48	64.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.49	1308.77778	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.5	325.12644	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.51	41.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.52	148.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.53	467.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.54	54.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.55	265.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.56	296.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.57	181.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.59	1061.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 9.6	146.22222	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.61	98.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.62	455.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.64	317.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.65	240.80488	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.66	1073.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.68	84.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.69	103.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.7	407.59259	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.72	47.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.73	51.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.74	44.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.75	256.06667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.76	527.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.78	91.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.79	220.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.8	247.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.82	31.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.83	184.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.85	90.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.88	299.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.89	577.88889	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.9	281.61957	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.91	35.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.94	76.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.95	203.96078	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.98	262.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.99	426.95000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10	63.57143	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.01	49.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.04	328.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.08	44.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.09	226.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.1	41.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.11	25.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.15	352.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.18	382.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.19	69.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.21	520.60000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.23	124.88889	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.24	70.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.25	213.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.26	90.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.27	214.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.28	92.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.29	143.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.3	72.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.31	324.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.32	1823.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.35	492.18182	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.38	398.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.39	312.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.4	119.37500	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.41	455.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 10.42	364.15385	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.43	75.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.45	350.11111	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.46	73.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.47	138.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.49	309.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.5	305.97872	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.51	359.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.52	190.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.53	283.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.54	3900.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.56	315.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.57	105.83333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.59	87.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.6	509.38462	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.62	368.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.63	202.31250	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.65	140.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.66	765.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.67	261.30000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.68	295.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.69	176.77778	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.7	413.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.71	385.60000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.72	61.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.74	108.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.75	168.12500	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.79	97.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.8	222.55556	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.82	35.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.84	685.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.85	900.20000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.86	136.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.88	159.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.89	780.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.9	285.37705	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.91	547.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.92	98.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.93	137.54545	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.94	322.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.95	514.15385	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.96	53.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.97	59.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.98	834.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.99	449.89474	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11	126.10000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.01	35.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.02	141.45455	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.04	118.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.05	183.60000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.06	29.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.07	34.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.08	223.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.09	122.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 11.11	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.13	78.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.15	261.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.16	37.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.17	307.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.18	32.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.19	224.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.2	679.44444	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.21	197.35294	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.23	56.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.25	244.71429	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.26	38.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.27	480.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.3	233.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.31	128.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.35	344.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.36	204.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.37	506.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.4	177.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.43	488.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.44	239.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.45	316.93750	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.46	385.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.47	393.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.48	272.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.49	731.14286	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.5	222.07407	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.51	137.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.54	438.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.55	124.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.56	181.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.59	111.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.6	340.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.61	997.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.62	91.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.63	84.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.64	91.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.65	297.93750	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.67	59.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.69	198.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.7	223.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.74	42.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.75	87.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.76	67.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.8	69.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.82	83.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.85	1814.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.86	217.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.89	962.41667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.9	204.73214	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.92	153.57143	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.94	167.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.95	379.10811	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 11.98	56.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 11.99	247.26667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12	157.88889	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.03	450.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.05	520.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.06	962.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.08	139.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.09	39.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.1	340.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.11	670.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.12	239.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.13	233.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.14	380.92308	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.18	140.83333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.19	292.37500	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.2	117.37500	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.21	206.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.23	49.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.25	464.16667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.28	166.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.3	233.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.31	59.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.32	57.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.33	468.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.37	351.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.38	73.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.39	31.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.4	282.44444	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.41	283.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.42	361.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.43	130.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.45	298.87500	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.46	2926.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.48	174.15385	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.49	192.51852	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.5	378.14634	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.51	688.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.52	262.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.53	205.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.55	599.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.56	143.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.57	236.05882	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.58	156.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.59	363.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.6	266.83333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.62	187.46667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.63	918.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.65	395.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.66	245.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.67	39.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.69	146.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.7	208.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.75	157.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.77	83.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.78	62.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 12.79	730.80000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.8	393.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.81	79.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.83	36.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.85	654.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.86	270.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.87	64.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.89	770.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.9	134.15385	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.92	877.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.94	2300.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.95	241.56000	0.00000000	0.00000000	0.00000000	0.00000000	0.04000000
## 12.96	73.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.98	572.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.99	514.09524	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13	62.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.01	254.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.02	31.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.04	239.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.06	35.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.09	588.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.1	456.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.14	41.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.15	314.42105	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.16	786.09091	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.19	50.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.2	196.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.21	63.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.24	50.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.25	491.16667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.26	375.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.27	293.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.29	203.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.3	111.20000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.33	126.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.34	273.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.35	58.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.36	383.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.37	93.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.38	335.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.39	187.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.4	155.57143	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.41	34.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.42	66.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.43	201.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.44	1376.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.45	564.57143	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.47	193.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.48	795.14286	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.49	950.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.5	480.70732	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.52	32.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.53	160.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.54	78.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 13.55	736.60870	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.57	853.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.58	123.16667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.6	273.23810	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.61	47.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.64	52.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.65	170.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.68	215.20000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.69	898.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.7	230.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.71	272.60000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.75	83.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.76	71.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.78	192.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.79	450.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.8	170.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.82	269.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.83	67.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.84	105.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.85	141.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.89	328.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.9	258.67442	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.91	73.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.93	332.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.95	500.70588	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.97	165.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.98	61.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.99	180.89474	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14	126.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.03	71.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.04	227.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.06	750.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.08	405.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.09	315.60000	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 14.1	151.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.11	25.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.13	316.64706	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.14	113.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.16	1038.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.18	148.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.19	175.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.2	455.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.21	553.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.23	288.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.25	110.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.26	51.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.27	413.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.29	1021.77778	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.31	156.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.32	127.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.35	102.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.36	976.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.38	461.60000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.4	318.80000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 14.42	77.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.43	109.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.44	139.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.45	134.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.47	25.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.49	443.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.5	439.83333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.51	1590.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.52	387.28571	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.53	549.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.54	373.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.55	158.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.57	266.22727	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.59	137.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.6	137.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.61	171.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.62	415.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.63	258.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.65	127.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.7	217.37500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.72	70.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.73	117.62500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.75	1721.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.79	865.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.8	375.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.82	1571.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.83	40.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.84	361.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.85	59.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.87	27.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.89	137.12500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.9	361.42373	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.92	493.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.94	171.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.95	449.35714	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 14.99	196.22222	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15	286.72727	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.01	618.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.03	850.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.04	70.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.05	343.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.08	1222.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.1	94.60000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.11	238.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.13	802.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.15	115.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.16	145.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.18	222.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.19	212.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.2	207.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.23	296.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.25	92.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.26	200.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.27	290.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 15.28	93.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.3	52.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.33	2321.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.37	81.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.38	1295.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.39	3539.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.4	264.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.42	316.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.45	410.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.47	596.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.48	167.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.49	543.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.5	451.03922	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.51	212.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.54	186.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.55	213.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.59	149.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.6	203.14286	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.61	83.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.65	73.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.67	254.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.68	2001.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.69	379.28571	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.7	1241.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.75	262.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.76	1258.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.77	218.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.78	85.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.79	917.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.8	146.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.84	828.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.85	206.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.88	633.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.89	341.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.9	356.21429	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.94	54.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.95	233.29630	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.98	255.12500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 15.99	155.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16	137.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.02	100.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.07	34.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.08	747.58333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.09	378.10000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.11	32.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.17	421.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.2	98.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.21	224.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.23	206.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.25	39.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.27	2769.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.29	103.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.31	493.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.32	191.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 16.33	108.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.34	65.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.36	205.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.38	75.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.39	940.70000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.4	161.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.44	116.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.45	72.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.46	32.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.47	344.60870	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.48	275.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.5	190.17647	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.51	128.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.52	246.92308	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.53	144.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.55	141.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.56	399.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.57	64.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.58	42.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.59	241.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.6	172.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.62	187.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.64	115.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.66	91.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.68	459.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.69	162.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.7	121.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.72	1087.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.73	140.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.74	2184.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.75	845.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.76	43.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.77	204.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.79	120.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.83	65.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.85	191.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.87	403.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.88	191.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.9	338.23636	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.92	1791.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.93	52.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.94	64.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.95	179.35484	0.00000000	0.0000000	0.0000000	0.00000000	0.03225806
## 16.96	30.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.97	1164.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.98	211.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 16.99	654.71429	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17	99.12500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.01	135.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.06	207.93333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.07	88.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.09	131.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.1	28.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.13	39.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 17.16	193.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.18	645.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.2	68.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.21	901.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.23	69.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.24	1028.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.25	573.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.29	240.83333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.3	1053.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.35	192.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.36	327.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.38	49.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.4	204.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.41	661.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.42	133.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.44	1823.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.45	395.43478	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.5	295.23529	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.52	91.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.54	53.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.55	58.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.57	16262.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.59	602.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.6	145.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.61	60.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.63	639.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.69	489.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.7	184.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.74	581.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.75	3030.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.76	55.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.78	215.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.79	138.92857	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.8	210.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.81	142.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.84	700.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.85	434.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.89	597.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.9	115.64865	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.91	556.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.95	423.71429	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 17.99	308.60000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18	125.70000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.03	139.37500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.04	39.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.06	128.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.08	95.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.15	52.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.19	410.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.2	669.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.21	34.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.23	1334.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.24	485.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.25	306.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 18.27	50.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.29	705.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.3	96.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.31	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.32	338.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.33	199.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.34	36.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.35	301.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.38	411.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.39	302.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.4	656.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.41	113.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.42	342.36000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.43	32.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.45	2112.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.47	152.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.49	214.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.5	214.32143	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.51	433.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.52	108.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.53	30.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.6	104.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.64	34.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.7	165.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.72	147.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.73	95.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.75	97.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.79	530.57143	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.8	84.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.81	33.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.83	39.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.84	266.30000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.85	1080.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.86	534.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.89	336.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.9	228.36735	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.92	805.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.93	327.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.94	125.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.95	284.42105	0.00000000	0.0000000	0.0000000	0.00000000	0.05263158
## 18.97	192.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.98	26.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 18.99	192.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19	92.42857	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19.01	127.88889	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19.02	143.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19.05	121.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19.07	156.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19.11	145.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19.2	1145.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19.24	114.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19.25	190.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19.26	57.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 19.29	234.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 19.3	169.70000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.31	2015.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.35	210.20000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.37	103.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.39	516.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.4	272.03448	0.00000000	0.00000000	0.00000000	0.00000000	0.03448276
## 19.42	430.80000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.43	40.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.44	47.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.45	293.59091	0.00000000	0.00000000	0.00000000	0.00000000	0.04545455
## 19.47	301.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.48	35.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.49	231.20000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.5	369.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.53	161.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.58	199.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.6	331.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.65	71.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.69	238.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.7	2460.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.72	131.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.75	418.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.77	4381.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.79	473.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.8	106.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.82	36.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.85	1181.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.86	175.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.87	1443.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.88	65.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.89	570.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.9	305.01818	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.91	44.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.95	221.30303	0.00000000	0.00000000	0.00000000	0.00000000	0.03030303
## 19.98	341.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.99	908.90476	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20	168.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.09	886.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.15	292.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.19	39.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.2	277.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.25	79.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.27	148.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.28	53.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.29	390.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.32	130.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.36	320.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.37	66.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.4	1379.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.42	164.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.43	53.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.47	822.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.5	399.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.53	620.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 20.54	494.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.65	168.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.67	54.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.74	95.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.75	178.80000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.76	550.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.81	50.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.84	35.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.85	50.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.86	388.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.88	93.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.89	321.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.9	223.68421	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.93	327.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.95	186.72727	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.96	244.16667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.97	259.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.99	83.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21	125.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.05	772.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.1	635.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.15	2742.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.16	50.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.18	554.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.19	175.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.2	589.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.21	120.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.24	577.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.25	331.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.29	201.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.33	673.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.34	479.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.35	52.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.39	572.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.4	256.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.44	269.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.45	378.29412	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.5	243.92308	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.51	68.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.55	320.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.57	161.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.58	62.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.6	38.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.63	177.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.65	741.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.66	54.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.74	93.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.8	1221.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.82	72.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.83	171.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.85	407.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.87	122.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.88	653.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.89	1321.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 21.9	257.72000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.91	104.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.93	302.40000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.94	109.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.95	161.16667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.99	112.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22	380.81250	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.09	249.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.1	513.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.13	25.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.2	41.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.21	435.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.22	985.83333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.23	149.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.3	128.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.32	245.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.33	90.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.35	710.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.36	99.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.37	208.25000	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 22.38	207.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.39	1488.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.42	55.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.45	396.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.47	356.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.49	43.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.5	154.43750	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.59	109.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.62	101.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.63	85.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.65	30.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.67	162.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.69	179.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.7	789.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.71	152.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.75	281.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.78	557.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.79	119.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.8	212.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.85	807.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.89	237.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.9	526.30000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.91	120.80000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.94	34.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.95	496.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.99	238.11111	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23	1721.25000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.01	59.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.05	42.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.06	50.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.08	390.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.09	1906.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.1	272.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.11	43.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 23.15	438.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.16	85.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.17	105.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.19	318.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.2	267.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.23	280.00000	0.33333333	0.0000000	0.0000000	0.00000000	0.00000000
## 23.25	227.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.29	208.10000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.3	560.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.25000000
## 23.33	35.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.34	475.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.35	82.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.38	113.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.39	206.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.4	88.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.45	138.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.49	555.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.5	239.90000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.52	53.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.61	58.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.65	170.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.68	157.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.7	770.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.75	132.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.79	118.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.8	48.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.88	600.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.89	144.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.9	452.70588	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.91	131.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.94	105.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.95	686.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 23.99	119.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24	269.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.01	292.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.08	29.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.09	129.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.1	39.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.12	193.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.14	3192.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.15	213.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.17	142.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.18	124.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.19	1458.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.2	171.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.24	59.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.26	59.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.27	186.35714	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.3	220.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.32	392.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.33	62.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.34	644.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.37	144.83333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 24.39	207.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 24.45	561.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.49	89.75000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.5	169.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.57	650.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.59	206.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.63	51.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.69	44.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.7	2518.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.73	194.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.74	406.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.75	1255.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.8	187.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.85	247.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.86	327.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.88	65.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.89	321.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.9	227.63636	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.91	50.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.95	189.88889	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.99	352.33333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25	71.00000	0.00000000	0.00000000	0.10000000	0.00000000	0.00000000
## 25.02	97.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.04	66.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.1	309.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.12	267.66667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.13	219.80000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.15	32.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.16	150.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.2	29.00000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 25.24	367.60000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.25	114.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.26	198.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.29	271.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.3	171.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.34	340.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.35	32.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.39	286.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.44	49.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.45	243.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.47	53.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.49	278.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.5	590.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.55	1285.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.57	320.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.69	169.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.7	131.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.71	3814.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.75	150.50000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.78	303.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.79	507.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.8	152.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.83	170.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.84	83.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 25.85	429.00000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 25.89	343.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 25.9	258.96296	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 25.92	344.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 25.95	111.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.40000000
## 25.99	147.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26	173.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.03	92.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.04	57.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.05	48.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.06	1189.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.09	1007.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.1	79.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.12	200.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.14	293.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.18	131.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.2	222.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.21	212.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.22	434.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.23	75.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.25	86.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.27	278.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.31	862.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.32	286.60000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.36	384.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.39	2595.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.47	160.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.48	46.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.5	198.41667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.55	9885.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.61	341.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.66	45.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.69	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.7	588.22222	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.77	60.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.8	138.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.81	120.42857	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.85	250.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.89	180.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.9	209.47368	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.92	401.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.95	192.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 26.99	53.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27	156.22222	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.04	186.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.06	56.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.09	70.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.1	60.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.11	129.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.13	90.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.15	231.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.2	548.11111	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.25	701.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.26	33.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.27	63.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 27.28	64.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.29	104.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.3	533.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.32	492.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.36	105.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.4	428.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.43	581.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.5	143.64286	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.59	293.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.6	54.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.65	179.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.68	381.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.69	34.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.71	339.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.75	214.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.78	61.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.79	515.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.82	232.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.89	35.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.9	819.54545	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.95	112.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.42857143
## 27.96	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 27.99	167.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28	93.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.01	120.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.03	219.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.06	280.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.07	267.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.08	204.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.09	37.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.1	67.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.12	1590.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.13	1424.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.16	30.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.17	130.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.18	125.83333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.22	177.00000	0.00000000	0.0000000	1.0000000	0.00000000	0.00000000
## 28.24	48.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.25	613.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.27	387.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.3	130.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.31	41.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.35	230.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.38	93.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.4	148.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.41	110.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.42	91.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.47	33.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.49	266.60000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.5	253.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.55	135.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.59	71.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.6	156.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.62	330.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 28.65	545.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.66	36.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.7	152.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.72	312.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.76	117.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.8	568.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.83	118.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.9	252.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.92	333.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.93	168.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 28.95	212.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.20000000
## 28.99	656.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29	176.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.05	551.83333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.08	74.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.09	100.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.1	84.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.12	108.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.13	143.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.15	133.71429	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.19	231.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.40000000
## 29.2	625.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.25	120.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.28	259.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.29	39.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.36	77.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.37	75.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.39	676.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.41	61.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.45	70.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.47	68.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.48	216.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.49	351.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.5	195.06250	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.54	69.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.55	146.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.6	84.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.61	85.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.67	103.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.77	837.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.8	29.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.84	470.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.85	57.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.89	110.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.9	326.65714	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 29.95	190.70000	0.00000000	0.0000000	0.0000000	0.00000000	0.15000000
## 29.99	99.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30	95.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.07	862.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.12	2659.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.17	110.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.19	310.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.31	91.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.39	511.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 30.43	2216.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.45	339.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.47	68.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.52	312.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.62	145.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.65	147.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.7	639.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.71	1270.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.73	60.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.74	1346.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.78	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.81	297.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.9	602.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.95	5021.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 30.99	29.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31	78.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.02	42.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.1	164.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.16	98.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.18	140.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.19	289.62500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.2	110.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.39	139.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.48	251.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.5	194.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.53	769.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.57	1195.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.59	181.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.63	99.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.68	56.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.85	126.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.9	485.72727	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.91	170.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.95	261.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.12500000
## 31.96	266.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.97	562.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 31.99	213.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32	175.76923	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.06	62.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.07	166.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.12	195.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.14	108.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.17	68.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.19	574.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.27	63.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.3	65.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.35	58.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.36	651.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.41	113.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.45	580.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.5	472.12500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.52	305.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.54	1112.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.55	77.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 32.65	68.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.66	112.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.67	62.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.75	105.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.79	205.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.86	712.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.87	34.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.88	598.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.9	188.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.95	297.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.97	713.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 32.99	211.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33	187.57143	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.05	224.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.13	394.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.14	117.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.2	104.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.25	340.60000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.42	36.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.45	200.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.46	44.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.48	94.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.5	62.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.59	250.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.62	58.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.63	931.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.68	49.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.69	288.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.73	369.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.76	160.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.81	336.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.83	64.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.85	702.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.87	543.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.89	147.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.9	314.92308	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.92	130.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.95	301.11111	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.97	1659.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 33.99	855.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34	610.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.02	195.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.07	231.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.1	62.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.12	197.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.15	80.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.2	1070.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.21	99.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.22	165.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.32	876.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.4	474.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.44	1436.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.5	818.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.54	364.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 34.58	129.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.59	102.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.61	2012.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.64	331.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.65	27.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.71	139.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.73	216.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.8	116.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.82	338.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.85	552.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.89	787.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.9	233.36364	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.91	27.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.95	259.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.22222222
## 34.97	99.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 34.99	394.87500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35	219.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.04	818.00000	0.00000000	0.5000000	0.0000000	0.00000000	0.00000000
## 35.09	192.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.1	58.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.27	48.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.37	120.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.44	80.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.45	76.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.5	305.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.55	625.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.57	35.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.58	92.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.68	59.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.69	111.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.7	36.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.74	25.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.77	425.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.84	354.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.85	76.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.89	1302.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.9	1061.14286	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 35.95	434.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.16666667
## 35.97	611.40000	0.00000000	0.0000000	0.0000000	0.20000000	0.00000000
## 35.99	258.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36	92.71429	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.06	485.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.11	503.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.15	28.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.18	84.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.3	171.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.33	267.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.37	422.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.38	84.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.45	421.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.5	53.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.52	588.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.55	807.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.56	64.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 36.58	87.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.63	1065.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.7	93.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.71	1961.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.74	204.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.75	126.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.76	4501.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.79	830.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.83	317.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.85	316.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.89	1613.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.9	379.62500	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 36.95	195.58333	0.00000000	0.0000000	0.0000000	0.00000000	0.16666667
## 36.99	166.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37	36.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.03	2009.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.04	175.72727	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.3	243.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.34	101.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.43	45.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.45	47.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.5	366.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.33333333
## 37.53	51.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.56	27.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.63	285.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.64	41.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.73	1341.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.79	1179.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.82	173.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.83	94.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.85	677.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.9	409.41667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.92	1131.00000	0.00000000	0.0000000	0.0000000	0.33333333	0.00000000
## 37.95	276.16667	0.00000000	0.0000000	0.0000000	0.00000000	0.33333333
## 37.97	115.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.98	145.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 37.99	38.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38	520.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.01	133.57143	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.02	149.81818	0.00000000	0.0000000	0.0000000	0.00000000	0.09090909
## 38.09	135.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.3	590.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.41	115.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.5	248.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.54	312.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.56	38.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.57	603.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.6	49.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.69	1009.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.7	272.71429	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.75	61.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.79	142.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.8	548.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.89	675.18182	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 38.9	118.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.91	365.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.94	240.54545	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.95	196.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.96	3456.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 38.99	154.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39	170.30000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.15	49.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.19	674.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.47	211.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.48	122.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.5	291.77778	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.58	81.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.69	478.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.79	207.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.87	232.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.89	97.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.9	537.58333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.95	232.10000	0.03333333	0.0000000	0.0000000	0.00000000	0.20000000
## 39.98	588.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 39.99	259.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40	233.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.09	255.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.1	127.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.16	156.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.19	28.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.25	34.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.26	135.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.28	32.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.34	50.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.39	62.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.4	331.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.59	51.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.65	113.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.73	108.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.81	170.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.84	67.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.85	63.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.9	80.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.94	134.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.95	526.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 40.98	37.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41	1588.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.04	1170.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.1	33.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.15	168.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.26	559.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.28	66.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.29	27.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.4	75.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.43	252.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.49	48.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.58	60.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.61	347.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 41.71	165.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.72	141.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.82	75.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.85	1609.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.87	289.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.9	720.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.91	36.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.92	333.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 41.99	1877.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42	224.07692	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.01	56.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.09	147.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.11	76.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.27	86.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.4	92.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.45	97.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.47	289.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.5	618.60000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.51	37.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.62	578.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.63	155.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.79	186.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.8	256.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.89	172.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.9	100.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.94	177.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.95	278.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 42.99	245.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43	79.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.16	68.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.17	55.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.28	381.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.39	127.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.43	35.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.5	181.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.55	1541.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.6	244.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.61	105.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.65	91.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.69	333.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.7	77.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.77	1033.40000	0.00000000	0.0000000	0.2000000	0.00000000	0.00000000
## 43.8	35.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.82	415.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.83	33.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.85	28.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.87	515.50000	0.00000000	0.0000000	0.0000000	0.12500000	0.00000000
## 43.9	345.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 43.95	120.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.33333333
## 43.99	684.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44	131.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.11	70.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.28	88.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.47	95.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000

## 44.5	464.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.52	744.75000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.57	210.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.59	1252.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.61	34.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.62	494.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.73	255.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.74	49.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.75	48.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.79	210.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.8	364.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.84	59.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.85	83.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.9	197.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.91	40.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.95	183.20000	0.00000000	0.0000000	0.0000000	0.00000000	0.20000000
## 44.96	727.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 44.99	166.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45	169.63158	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.26	1704.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.28	72.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.29	235.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.5	221.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.59	763.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.6	1046.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.69	249.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.72	154.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.74	35.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.77	857.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.84	36.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 45.9	448.50000	0.16666667	0.0000000	0.0000000	0.00000000	0.00000000
## 45.95	346.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46	297.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.21	30.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.29	246.00000	0.00000000	1.0000000	0.0000000	0.00000000	0.00000000
## 46.3	1337.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.32	578.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.34	709.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.4	48.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.41	60.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.46	873.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.5	236.40000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.6	105.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.64	104.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.65	71.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.69	459.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.7	192.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.75	298.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.77	46.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.79	233.81250	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.84	315.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.88	42.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.9	69.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 46.95	209.33333	0.00000000	0.0000000	0.0000000	0.00000000	0.33333333

## 47	113.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.2	50.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.4	53.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.5	111.50000	0.00000000	0.0000000	0.0000000	0.50000000	0.00000000
## 47.52	66.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.53	1284.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.69	236.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.76	49.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.77	232.25000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.87	306.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.9	106.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.95	153.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.20000000
## 47.98	96.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 47.99	188.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.02	119.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.06	64.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.09	30.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.1	123.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.25	437.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.26	68.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.31	256.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.32	79.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.37	231.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.4	471.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.43	53.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.45	165.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.5	78.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.54	417.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.55	196.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.6	95.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.64	478.61538	0.00000000	0.0000000	0.0000000	0.00000000	0.07692308
## 48.69	3114.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.74	577.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.76	547.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.79	147.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.9	37.66667	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 48.95	1105.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.50000000
## 49	117.66667	0.00000000	0.0000000	0.0000000	0.08333333	0.00000000
## 49.02	331.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.09	1022.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.37	55.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.47	65.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.5	119.60000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.55	920.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.6	31.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.75	115.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.76	67.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.77	583.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.88	173.50000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.9	289.80000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.95	205.05882	0.00000000	0.0000000	0.0000000	0.05882353	0.23529412
## 49.98	35.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 49.99	86.00000	0.00000000	0.0000000	0.0000000	0.00000000	0.00000000
## 50	39.00000	0.00000000	0.0000000	0.3333333	0.00000000	0.00000000

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## 5.54	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.56	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.59	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.6	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 5.61	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.62	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.63	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 5.64	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.65	0.00000000	0.00000000	0.00000000	0.00000000	0.16666667	0.33333333
## 5.68	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.69	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 5.7	0.00000000	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 5.71	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.72	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 5.74	0.00000000	0.00000000	0.00000000	0.00000000	0.14285714	0.14285714
## 5.75	0.00000000	0.00000000	0.05555556	0.00000000	0.11111111	0.22222222
## 5.76	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 5.77	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.11111111
## 5.8	0.00000000	0.07692308	0.00000000	0.07692308	0.07692308	0.23076923
## 5.81	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.82	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.84	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 5.85	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.9	0.00000000	0.00000000	0.00000000	0.00000000	0.11538462	0.19230769
## 5.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.95	0.00000000	0.00000000	0.00000000	0.06060606	0.06060606	0.09090909
## 5.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 5.99	0.00000000	0.00000000	0.15789474	0.00000000	0.05263158	0.21052632
## 6	0.00000000	0.00000000	0.09090909	0.09090909	0.00000000	0.18181818
## 6.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 6.03	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.05	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.09	0.00000000	0.20000000	0.00000000	0.00000000	0.20000000	0.40000000
## 6.1	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.12	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 6.13	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.16	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.19	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.2	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000	0.10000000
## 6.21	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.08333333
## 6.23	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 6.24	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 6.25	0.00000000	0.09090909	0.00000000	0.09090909	0.00000000	0.36363636
## 6.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.29	0.12500000	0.12500000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.3	0.00000000	0.00000000	0.00000000	0.00000000	0.05555556	0.05555556
## 6.31	0.00000000	0.00000000	0.00000000	0.00000000	0.11111111	0.33333333
## 6.32	0.00000000	0.00000000	0.00000000	0.10000000	0.10000000	0.00000000
## 6.33	0.00000000	0.00000000	0.00000000	0.13333333	0.13333333	0.20000000
## 6.34	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333

## 6.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.39	0.00000000	0.33333333	0.00000000	0.00000000	0.33333333	0.00000000
## 6.4	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.40000000
## 6.41	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.42	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.43	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 6.44	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667
## 6.45	0.00000000	0.00000000	0.00000000	0.11111111	0.11111111	0.22222222
## 6.49	0.00000000	0.00000000	0.00000000	0.10000000	0.20000000	0.00000000
## 6.5	0.00000000	0.00000000	0.02272727	0.02272727	0.04545455	0.11363636
## 6.51	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.53	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 6.54	0.00000000	0.00000000	0.00000000	0.00000000	0.11111111	0.44444444
## 6.55	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.57	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 6.58	0.00000000	0.00000000	0.00000000	0.00000000	0.11111111	0.44444444
## 6.59	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.6	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.61	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 6.62	0.00000000	0.00000000	0.00000000	0.00000000	0.40000000	0.40000000
## 6.63	0.00000000	0.12500000	0.00000000	0.12500000	0.25000000	0.12500000
## 6.64	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.65	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.66	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 6.68	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 6.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.7	0.00000000	0.00000000	0.00000000	0.00000000	0.22222222	0.33333333
## 6.72	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 6.73	0.00000000	0.00000000	0.00000000	0.04166667	0.04166667	0.25000000
## 6.75	0.00000000	0.00000000	0.04347826	0.00000000	0.00000000	0.34782609
## 6.77	0.00000000	0.04761905	0.04761905	0.04761905	0.19047619	0.04761905
## 6.78	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000	0.28571429
## 6.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.8	0.00000000	0.00000000	0.16666667	0.00000000	0.00000000	0.00000000
## 6.81	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.40000000
## 6.83	0.00000000	0.00000000	0.00000000	0.00000000	0.16666667	0.16666667
## 6.84	0.00000000	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000
## 6.85	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 6.86	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 6.88	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000	0.00000000
## 6.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.9	0.03333333	0.00000000	0.03333333	0.06666667	0.10000000	0.33333333
## 6.92	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.93	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000
## 6.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 6.95	0.02500000	0.00000000	0.02500000	0.05000000	0.12500000	0.17500000
## 6.96	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 6.97	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.42857143
## 6.99	0.00000000	0.00000000	0.00000000	0.31578947	0.05263158	0.05263158
## 7	0.00000000	0.00000000	0.14285714	0.14285714	0.00000000	0.00000000
## 7.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.04	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 7.05	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.06	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000

## 7.08	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.1	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667
## 7.13	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.18	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 7.19	0.00000000	0.00000000	0.00000000	0.14285714	0.14285714	0.42857143
## 7.2	0.00000000	0.00000000	0.00000000	0.08333333	0.08333333	0.25000000
## 7.21	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 7.22	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.23	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.24	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.25	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 7.26	0.00000000	0.00000000	0.00000000	0.14285714	0.42857143	0.00000000
## 7.27	0.00000000	0.00000000	0.00000000	0.00000000	0.15384615	0.15384615
## 7.28	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.50000000
## 7.29	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.3	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.11111111
## 7.31	0.00000000	0.00000000	0.00000000	0.00000000	0.10000000	0.20000000
## 7.32	0.00000000	0.00000000	0.00000000	0.12500000	0.00000000	0.37500000
## 7.34	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.35	0.00000000	0.00000000	0.00000000	0.00000000	0.10000000	0.10000000
## 7.36	0.00000000	0.00000000	0.00000000	0.00000000	0.07692308	0.07692308
## 7.37	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 7.4	0.00000000	0.00000000	0.00000000	0.08333333	0.00000000	0.08333333
## 7.41	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.42	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.85714286
## 7.44	0.09090909	0.00000000	0.00000000	0.00000000	0.18181818	0.36363636
## 7.45	0.00000000	0.00000000	0.00000000	0.05263158	0.05263158	0.36842105
## 7.47	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.48	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.49	0.00000000	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000
## 7.5	0.00000000	0.00000000	0.00000000	0.08333333	0.11111111	0.22222222
## 7.51	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 7.52	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 7.53	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000
## 7.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 7.58	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.59	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000	0.00000000
## 7.6	0.00000000	0.00000000	0.00000000	0.00000000	0.23529412	0.17647059
## 7.63	0.00000000	0.00000000	0.00000000	0.00000000	0.11111111	0.33333333
## 7.64	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 7.65	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 7.66	0.00000000	0.00000000	0.00000000	0.00000000	0.11111111	0.44444444
## 7.67	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.69	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000	0.28571429
## 7.7	0.00000000	0.00000000	0.03571429	0.03571429	0.17857143	0.14285714
## 7.71	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 7.72	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.73	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 7.75	0.00000000	0.10000000	0.03333333	0.13333333	0.10000000	0.26666667
## 7.77	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333

## 7.78	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 7.79	0.00000000	0.00000000	0.00000000	0.20000000	0.10000000	0.10000000
## 7.8	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667
## 7.81	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.83	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 7.84	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 7.85	0.00000000	0.00000000	0.00000000	0.00000000	0.14285714	0.42857143
## 7.87	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.88	0.00000000	0.00000000	0.00000000	0.00000000	0.20000000	0.40000000
## 7.89	0.00000000	0.00000000	0.13333333	0.00000000	0.06666667	0.13333333
## 7.9	0.00000000	0.00000000	0.01785714	0.01785714	0.10714286	0.25000000
## 7.93	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 7.95	0.00000000	0.02631579	0.02631579	0.07894737	0.18421053	0.26315789
## 7.96	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.20000000
## 7.99	0.00000000	0.00000000	0.05882353	0.00000000	0.29411765	0.17647059
## 8	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000	0.33333333
## 8.04	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.07	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.1	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000
## 8.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667
## 8.14	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 8.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.16	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.17	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 8.18	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.66666667
## 8.19	0.00000000	0.00000000	0.00000000	0.00000000	0.12500000	0.25000000
## 8.2	0.00000000	0.00000000	0.00000000	0.00000000	0.37500000	0.00000000
## 8.21	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.16666667
## 8.22	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.24	0.00000000	0.00000000	0.10000000	0.10000000	0.10000000	0.30000000
## 8.25	0.00000000	0.00000000	0.00000000	0.12500000	0.12500000	0.25000000
## 8.27	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.28	0.00000000	0.00000000	0.00000000	0.10000000	0.20000000	0.20000000
## 8.29	0.00000000	0.00000000	0.04545455	0.09090909	0.22727273	0.13636364
## 8.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 8.32	0.00000000	0.00000000	0.07142857	0.00000000	0.00000000	0.14285714
## 8.33	0.00000000	0.08333333	0.00000000	0.08333333	0.33333333	0.08333333
## 8.35	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 8.36	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 8.37	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000	0.50000000
## 8.38	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 8.39	0.00000000	0.00000000	0.20000000	0.00000000	0.40000000	0.20000000
## 8.4	0.00000000	0.00000000	0.04761905	0.04761905	0.04761905	0.33333333
## 8.41	0.00000000	0.00000000	0.12500000	0.00000000	0.12500000	0.12500000
## 8.43	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 8.44	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000
## 8.45	0.00000000	0.00000000	0.00000000	0.04545455	0.04545455	0.13636364
## 8.47	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 8.48	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000	0.00000000
## 8.49	0.08000000	0.00000000	0.00000000	0.04000000	0.08000000	0.36000000
## 8.5	0.02173913	0.00000000	0.02173913	0.04347826	0.15217391	0.21739130
## 8.52	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000

## 8.53	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000
## 8.54	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.55	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 8.56	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 8.57	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 8.58	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000
## 8.59	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.40000000
## 8.6	0.00000000	0.00000000	0.12500000	0.00000000	0.37500000	0.25000000
## 8.61	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 8.62	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.63	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 8.64	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.65	0.00000000	0.25000000	0.00000000	0.00000000	0.00000000	0.25000000
## 8.66	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 8.67	0.00000000	0.00000000	0.00000000	0.00000000	0.42857143	0.14285714
## 8.68	0.00000000	0.00000000	0.00000000	0.12000000	0.16000000	0.28000000
## 8.69	0.07142857	0.00000000	0.14285714	0.14285714	0.07142857	0.42857143
## 8.7	0.00000000	0.08333333	0.00000000	0.00000000	0.16666667	0.33333333
## 8.71	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 8.72	0.00000000	0.00000000	0.04444444	0.04444444	0.20000000	0.17777778
## 8.73	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.20000000
## 8.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.75	0.07692308	0.00000000	0.00000000	0.23076923	0.15384615	0.07692308
## 8.76	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.77	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667
## 8.78	0.00000000	0.00000000	0.00000000	0.06666667	0.06666667	0.46666667
## 8.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.8	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.44444444
## 8.83	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.75000000
## 8.84	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.85	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333	0.33333333
## 8.87	0.00000000	0.33333333	0.00000000	0.00000000	0.33333333	0.33333333
## 8.89	0.00000000	0.00000000	0.08333333	0.08333333	0.08333333	0.33333333
## 8.9	0.00000000	0.00000000	0.01470588	0.02941176	0.11764706	0.19117647
## 8.92	0.16666667	0.00000000	0.00000000	0.00000000	0.16666667	0.16666667
## 8.93	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.95	0.00000000	0.00000000	0.02500000	0.12500000	0.17500000	0.20000000
## 8.96	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 8.97	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 8.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 8.99	0.00000000	0.00000000	0.04761905	0.14285714	0.23809524	0.09523810
## 9	0.14285714	0.00000000	0.00000000	0.00000000	0.42857143	0.00000000
## 9.05	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000
## 9.08	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.09	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 9.1	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 9.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.12	0.00000000	0.14285714	0.00000000	0.14285714	0.28571429	0.00000000
## 9.13	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.16	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 9.17	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000
## 9.19	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000

## 9.2	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 9.21	0.14285714	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000
## 9.22	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 9.23	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.75000000
## 9.24	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 9.25	0.00000000	0.00000000	0.15384615	0.00000000	0.07692308	0.15384615
## 9.26	0.03225806	0.00000000	0.00000000	0.12903226	0.16129032	0.16129032
## 9.28	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.29	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 9.3	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.40000000
## 9.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 9.34	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 9.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 9.36	0.00000000	0.00000000	0.16666667	0.16666667	0.00000000	0.16666667
## 9.37	0.00000000	0.00000000	0.00000000	0.10000000	0.00000000	0.10000000
## 9.39	0.00000000	0.00000000	0.18181818	0.09090909	0.09090909	0.09090909
## 9.4	0.00000000	0.00000000	0.00000000	0.00000000	0.07692308	0.30769231
## 9.42	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.44	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000
## 9.45	0.00000000	0.00000000	0.10000000	0.00000000	0.00000000	0.00000000
## 9.46	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.48	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.49	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 9.5	0.01149425	0.01149425	0.03448276	0.04597701	0.12643678	0.24137931
## 9.51	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 9.52	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.53	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.54	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 9.55	0.00000000	0.16666667	0.00000000	0.00000000	0.00000000	0.33333333
## 9.56	0.00000000	0.00000000	0.20000000	0.20000000	0.20000000	0.20000000
## 9.57	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.59	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 9.6	0.00000000	0.11111111	0.11111111	0.00000000	0.11111111	0.00000000
## 9.61	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 9.62	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.64	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 9.65	0.00000000	0.02439024	0.04878049	0.12195122	0.24390244	0.14634146
## 9.66	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.68	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 9.69	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000	0.00000000
## 9.7	0.00000000	0.03703704	0.07407407	0.11111111	0.14814815	0.25925926
## 9.72	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.50000000
## 9.73	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 9.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000
## 9.75	0.00000000	0.00000000	0.00000000	0.06666667	0.26666667	0.20000000
## 9.76	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 9.78	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 9.79	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333	0.33333333
## 9.8	0.00000000	0.00000000	0.00000000	0.12500000	0.50000000	0.12500000
## 9.82	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.83	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.50000000
## 9.85	0.00000000	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000
## 9.88	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.89	0.00000000	0.00000000	0.11111111	0.00000000	0.11111111	0.11111111

## 9.9	0.00000000	0.01086957	0.03260870	0.09782609	0.21739130	0.22826087
## 9.91	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 9.95	0.03921569	0.03921569	0.03921569	0.07843137	0.05882353	0.21568627
## 9.98	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 9.99	0.00000000	0.02500000	0.02500000	0.07500000	0.12500000	0.25000000
## 10	0.00000000	0.00000000	0.07142857	0.07142857	0.00000000	0.35714286
## 10.01	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 10.04	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.08	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 10.09	0.00000000	0.00000000	0.00000000	0.16666667	0.00000000	0.00000000
## 10.1	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 10.18	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 10.19	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 10.21	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000	0.40000000
## 10.23	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.11111111
## 10.24	0.00000000	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 10.25	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.66666667
## 10.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 10.27	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 10.28	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 10.29	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667
## 10.3	0.00000000	0.00000000	0.20000000	0.00000000	0.00000000	0.20000000
## 10.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.32	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.35	0.00000000	0.00000000	0.00000000	0.09090909	0.09090909	0.54545455
## 10.38	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 10.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 10.4	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 10.41	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667
## 10.42	0.00000000	0.00000000	0.00000000	0.07692308	0.07692308	0.30769231
## 10.43	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000
## 10.45	0.00000000	0.00000000	0.00000000	0.00000000	0.22222222	0.33333333
## 10.46	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.47	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.49	0.00000000	0.00000000	0.16666667	0.16666667	0.00000000	0.00000000
## 10.5	0.00000000	0.02127660	0.04255319	0.04255319	0.21276596	0.25531915
## 10.51	0.00000000	0.00000000	0.00000000	0.09090909	0.18181818	0.63636364
## 10.52	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.53	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 10.54	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 10.56	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 10.57	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 10.59	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.6	0.00000000	0.00000000	0.07692308	0.07692308	0.00000000	0.23076923
## 10.62	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 10.63	0.00000000	0.06250000	0.06250000	0.00000000	0.06250000	0.31250000
## 10.65	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.66	0.00000000	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000
## 10.67	0.00000000	0.10000000	0.10000000	0.10000000	0.00000000	0.50000000
## 10.68	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.69	0.00000000	0.33333333	0.00000000	0.11111111	0.33333333	0.11111111

## 10.7	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 10.71	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000	0.20000000
## 10.72	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000
## 10.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.75	0.00000000	0.12500000	0.00000000	0.00000000	0.12500000	0.62500000
## 10.79	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 10.8	0.00000000	0.00000000	0.33333333	0.00000000	0.22222222	0.22222222
## 10.82	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.84	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 10.85	0.00000000	0.00000000	0.00000000	0.00000000	0.40000000	0.20000000
## 10.86	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.88	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.89	0.00000000	0.00000000	0.16666667	0.00000000	0.00000000	0.33333333
## 10.9	0.01639344	0.01639344	0.00000000	0.06557377	0.18032787	0.22950820
## 10.91	0.14285714	0.00000000	0.00000000	0.00000000	0.42857143	0.00000000
## 10.92	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667
## 10.93	0.00000000	0.00000000	0.09090909	0.00000000	0.09090909	0.36363636
## 10.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.95	0.00000000	0.03846154	0.07692308	0.03846154	0.30769231	0.11538462
## 10.96	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 10.97	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 10.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 10.99	0.00000000	0.00000000	0.00000000	0.21052632	0.10526316	0.21052632
## 11	0.00000000	0.00000000	0.00000000	0.10000000	0.10000000	0.10000000
## 11.01	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 11.02	0.00000000	0.00000000	0.00000000	0.09090909	0.18181818	0.27272727
## 11.04	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.05	0.00000000	0.00000000	0.00000000	0.00000000	0.20000000	0.00000000
## 11.06	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.07	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.08	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.09	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.11	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 11.13	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.16	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.17	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 11.18	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 11.19	0.10000000	0.00000000	0.10000000	0.00000000	0.30000000	0.40000000
## 11.2	0.00000000	0.00000000	0.11111111	0.00000000	0.22222222	0.22222222
## 11.21	0.00000000	0.00000000	0.05882353	0.11764706	0.17647059	0.29411765
## 11.23	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 11.25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 11.27	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.3	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 11.31	0.00000000	0.20000000	0.00000000	0.20000000	0.20000000	0.20000000
## 11.35	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000	0.00000000
## 11.36	0.00000000	0.00000000	0.25000000	0.50000000	0.00000000	0.00000000
## 11.37	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 11.4	0.00000000	0.00000000	0.00000000	0.33333333	0.08333333	0.33333333
## 11.43	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 11.44	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 11.45	0.00000000	0.06250000	0.06250000	0.06250000	0.12500000	0.12500000

## 11.46	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.47	0.00000000	0.20000000	0.00000000	0.00000000	0.20000000	0.40000000
## 11.48	0.00000000	0.00000000	0.14285714	0.00000000	0.28571429	0.00000000
## 11.49	0.00000000	0.00000000	0.00000000	0.14285714	0.14285714	0.28571429
## 11.5	0.01851852	0.01851852	0.01851852	0.09259259	0.14814815	0.29629630
## 11.51	0.00000000	0.00000000	0.00000000	0.16666667	0.33333333	0.33333333
## 11.54	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000
## 11.55	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 11.56	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.59	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 11.6	0.03030303	0.00000000	0.06060606	0.09090909	0.09090909	0.21212121
## 11.61	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 11.62	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 11.63	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 11.64	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.65	0.06250000	0.06250000	0.00000000	0.12500000	0.18750000	0.31250000
## 11.67	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 11.69	0.00000000	0.00000000	0.20000000	0.00000000	0.20000000	0.40000000
## 11.7	0.00000000	0.00000000	0.00000000	0.27272727	0.18181818	0.09090909
## 11.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 11.75	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 11.76	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 11.8	0.25000000	0.00000000	0.25000000	0.00000000	0.00000000	0.00000000
## 11.82	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 11.85	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
## 11.86	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 11.89	0.00000000	0.00000000	0.08333333	0.08333333	0.16666667	0.25000000
## 11.9	0.01785714	0.07142857	0.00000000	0.08928571	0.19642857	0.23214286
## 11.92	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.42857143
## 11.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 11.95	0.00000000	0.05405405	0.05405405	0.18918919	0.16216216	0.29729730
## 11.98	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 11.99	0.06666667	0.00000000	0.00000000	0.00000000	0.00000000	0.53333333
## 12	0.00000000	0.11111111	0.05555556	0.05555556	0.16666667	0.16666667
## 12.03	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.16666667
## 12.05	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.06	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.08	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.09	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 12.1	0.00000000	0.12500000	0.00000000	0.12500000	0.25000000	0.12500000
## 12.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.12	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 12.13	0.00000000	0.00000000	0.66666667	0.00000000	0.00000000	0.00000000
## 12.14	0.00000000	0.07692308	0.07692308	0.07692308	0.23076923	0.38461538
## 12.18	0.00000000	0.00000000	0.00000000	0.00000000	0.41666667	0.08333333
## 12.19	0.00000000	0.06250000	0.00000000	0.06250000	0.18750000	0.31250000
## 12.2	0.00000000	0.00000000	0.00000000	0.00000000	0.12500000	0.25000000
## 12.21	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.23	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 12.25	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.41666667
## 12.28	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333	0.00000000
## 12.3	0.00000000	0.16666667	0.00000000	0.00000000	0.16666667	0.33333333
## 12.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.32	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333

## 12.33	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 12.37	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.38	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.4	0.00000000	0.00000000	0.00000000	0.11111111	0.00000000	0.22222222
## 12.41	0.00000000	0.00000000	0.20000000	0.00000000	0.00000000	0.20000000
## 12.42	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 12.43	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 12.45	0.00000000	0.00000000	0.12500000	0.37500000	0.12500000	0.00000000
## 12.46	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.48	0.00000000	0.00000000	0.23076923	0.15384615	0.07692308	0.38461538
## 12.49	0.11111111	0.03703704	0.07407407	0.18518519	0.11111111	0.18518519
## 12.5	0.00000000	0.02439024	0.02439024	0.09756098	0.07317073	0.39024390
## 12.51	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 12.52	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 12.53	0.25000000	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000
## 12.55	0.00000000	0.00000000	0.00000000	0.00000000	0.75000000	0.00000000
## 12.56	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.57	0.00000000	0.05882353	0.05882353	0.05882353	0.05882353	0.23529412
## 12.58	0.00000000	0.00000000	0.33333333	0.00000000	0.50000000	0.16666667
## 12.59	0.00000000	0.00000000	0.25000000	0.25000000	0.50000000	0.00000000
## 12.6	0.00000000	0.00000000	0.05555556	0.22222222	0.22222222	0.11111111
## 12.62	0.00000000	0.13333333	0.00000000	0.13333333	0.33333333	0.33333333
## 12.63	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 12.65	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000
## 12.66	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 12.67	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 12.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000
## 12.7	0.00000000	0.10000000	0.20000000	0.10000000	0.00000000	0.40000000
## 12.75	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 12.77	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 12.78	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 12.79	0.00000000	0.00000000	0.20000000	0.20000000	0.20000000	0.00000000
## 12.8	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 12.81	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.16666667
## 12.83	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.85	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000
## 12.86	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 12.87	0.00000000	0.00000000	0.00000000	0.00000000	0.10000000	0.30000000
## 12.89	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000	0.25000000
## 12.9	0.00000000	0.00000000	0.07692308	0.05769231	0.21153846	0.13461538
## 12.92	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 12.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 12.95	0.04000000	0.04000000	0.08000000	0.08000000	0.20000000	0.08000000
## 12.96	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 12.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 12.99	0.00000000	0.04761905	0.00000000	0.04761905	0.14285714	0.42857143
## 13	0.00000000	0.00000000	0.16666667	0.00000000	0.16666667	0.00000000
## 13.01	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667
## 13.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 13.04	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.25000000
## 13.06	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.09	0.00000000	0.00000000	0.00000000	0.25000000	0.37500000	0.37500000
## 13.1	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.50000000

## 13.14	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.15	0.00000000	0.00000000	0.10526316	0.05263158	0.26315789	0.26315789
## 13.16	0.00000000	0.00000000	0.00000000	0.00000000	0.36363636	0.18181818
## 13.19	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 13.2	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 13.21	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 13.24	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 13.25	0.00000000	0.00000000	0.00000000	0.16666667	0.08333333	0.41666667
## 13.26	0.11111111	0.00000000	0.11111111	0.11111111	0.22222222	0.11111111
## 13.27	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.29	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.3	0.00000000	0.00000000	0.00000000	0.00000000	0.40000000	0.20000000
## 13.33	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.34	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 13.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.36	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 13.37	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000	0.20000000
## 13.38	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 13.39	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 13.4	0.00000000	0.14285714	0.00000000	0.00000000	0.14285714	0.28571429
## 13.41	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.42	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667	0.00000000
## 13.43	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667
## 13.44	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 13.45	0.00000000	0.00000000	0.00000000	0.14285714	0.14285714	0.57142857
## 13.47	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 13.48	0.14285714	0.00000000	0.00000000	0.00000000	0.28571429	0.00000000
## 13.49	0.00000000	0.00000000	0.00000000	0.16666667	0.16666667	0.33333333
## 13.5	0.00000000	0.00000000	0.04878049	0.17073171	0.19512195	0.31707317
## 13.52	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 13.53	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000
## 13.54	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 13.55	0.00000000	0.00000000	0.04347826	0.21739130	0.21739130	0.17391304
## 13.57	0.00000000	0.00000000	0.00000000	0.30000000	0.20000000	0.20000000
## 13.58	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 13.6	0.09523810	0.00000000	0.04761905	0.38095238	0.04761905	0.28571429
## 13.61	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.64	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 13.65	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000	0.00000000
## 13.68	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000	0.60000000
## 13.69	0.00000000	0.00000000	0.10000000	0.10000000	0.10000000	0.40000000
## 13.7	0.33333333	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 13.71	0.00000000	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000
## 13.75	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 13.76	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 13.78	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.79	0.00000000	0.00000000	0.33333333	0.16666667	0.16666667	0.00000000
## 13.8	0.00000000	0.00000000	0.00000000	0.20000000	0.10000000	0.00000000
## 13.82	0.00000000	0.12500000	0.00000000	0.37500000	0.00000000	0.50000000
## 13.83	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.84	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 13.85	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 13.89	0.00000000	0.00000000	0.25000000	0.00000000	0.00000000	0.00000000
## 13.9	0.04651163	0.00000000	0.13953488	0.11627907	0.20930233	0.27906977

## 13.91	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 13.93	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000	0.50000000
## 13.95	0.02941176	0.08823529	0.02941176	0.23529412	0.17647059	0.29411765
## 13.97	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 13.98	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 13.99	0.00000000	0.05263158	0.00000000	0.15789474	0.36842105	0.26315789
## 14	0.00000000	0.00000000	0.25000000	0.00000000	0.25000000	0.50000000
## 14.03	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 14.04	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.06	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 14.08	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 14.09	0.00000000	0.00000000	0.40000000	0.20000000	0.20000000	0.00000000
## 14.1	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 14.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.13	0.00000000	0.05882353	0.05882353	0.00000000	0.29411765	0.29411765
## 14.14	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 14.16	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 14.18	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 14.19	0.00000000	0.00000000	0.00000000	0.50000000	0.25000000	0.00000000
## 14.2	0.00000000	0.33333333	0.00000000	0.00000000	0.66666667	0.00000000
## 14.21	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 14.23	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 14.25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 14.27	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 14.29	0.00000000	0.00000000	0.44444444	0.11111111	0.44444444	0.00000000
## 14.31	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 14.32	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333
## 14.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 14.36	0.00000000	0.00000000	0.00000000	0.25000000	0.50000000	0.00000000
## 14.38	0.00000000	0.00000000	0.20000000	0.00000000	0.40000000	0.00000000
## 14.4	0.00000000	0.00000000	0.20000000	0.00000000	0.20000000	0.20000000
## 14.42	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.43	0.00000000	0.00000000	0.20000000	0.00000000	0.20000000	0.20000000
## 14.44	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.45	0.00000000	0.16666667	0.00000000	0.00000000	0.33333333	0.00000000
## 14.47	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 14.49	0.00000000	0.00000000	0.14285714	0.14285714	0.42857143	0.14285714
## 14.5	0.07142857	0.00000000	0.07142857	0.16666667	0.19047619	0.21428571
## 14.51	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.52	0.04761905	0.00000000	0.19047619	0.14285714	0.14285714	0.14285714
## 14.53	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000	0.40000000
## 14.54	0.00000000	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000
## 14.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.57	0.09090909	0.04545455	0.18181818	0.09090909	0.27272727	0.09090909
## 14.59	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 14.6	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 14.61	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.62	0.00000000	0.16666667	0.16666667	0.16666667	0.33333333	0.16666667
## 14.63	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.50000000
## 14.65	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 14.7	0.00000000	0.00000000	0.00000000	0.25000000	0.12500000	0.37500000
## 14.72	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.60000000
## 14.73	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000

## 14.75	0.00000000	0.00000000	0.00000000	0.00000000	0.40000000	0.00000000
## 14.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.8	0.16666667	0.16666667	0.00000000	0.00000000	0.16666667	0.00000000
## 14.82	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.83	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 14.84	0.00000000	0.25000000	0.00000000	0.00000000	0.50000000	0.25000000
## 14.85	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 14.87	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 14.89	0.12500000	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000
## 14.9	0.01694915	0.01694915	0.03389831	0.16949153	0.11864407	0.32203390
## 14.92	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 14.94	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000
## 14.95	0.03571429	0.03571429	0.10714286	0.35714286	0.17857143	0.14285714
## 14.99	0.00000000	0.00000000	0.11111111	0.11111111	0.11111111	0.22222222
## 15	0.00000000	0.09090909	0.00000000	0.00000000	0.00000000	0.27272727
## 15.01	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 15.03	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
## 15.04	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 15.05	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000	0.25000000
## 15.08	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.1	0.00000000	0.00000000	0.00000000	0.20000000	0.40000000	0.20000000
## 15.11	0.00000000	0.16666667	0.00000000	0.00000000	0.00000000	0.50000000
## 15.13	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 15.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.16	0.00000000	0.00000000	0.20000000	0.00000000	0.20000000	0.20000000
## 15.18	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.19	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000
## 15.2	0.20000000	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000
## 15.23	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 15.25	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 15.26	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 15.27	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.33333333
## 15.28	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
## 15.3	0.00000000	0.00000000	0.00000000	0.40000000	0.20000000	0.20000000
## 15.33	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667	0.00000000
## 15.37	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.38	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667
## 15.39	0.00000000	0.00000000	0.16666667	0.00000000	0.16666667	0.50000000
## 15.4	0.00000000	0.00000000	0.10000000	0.10000000	0.20000000	0.30000000
## 15.42	0.00000000	0.00000000	0.00000000	0.00000000	0.20000000	0.60000000
## 15.45	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.47	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000
## 15.48	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.49	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000	0.00000000
## 15.5	0.00000000	0.01960784	0.07843137	0.13725490	0.21568627	0.35294118
## 15.51	0.50000000	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.54	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 15.55	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000	0.33333333
## 15.59	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000	0.33333333
## 15.6	0.00000000	0.00000000	0.14285714	0.28571429	0.42857143	0.00000000
## 15.61	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 15.65	0.00000000	0.00000000	0.12500000	0.25000000	0.00000000	0.12500000
## 15.67	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333
## 15.68	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000

## 15.69	0.00000000	0.00000000	0.07142857	0.14285714	0.57142857	0.07142857
## 15.7	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 15.75	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333	0.33333333
## 15.76	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 15.77	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 15.78	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 15.79	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.33333333
## 15.8	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.84	0.00000000	0.00000000	0.20000000	0.20000000	0.20000000	0.20000000
## 15.85	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 15.88	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 15.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.75000000
## 15.9	0.00000000	0.05357143	0.14285714	0.16071429	0.25000000	0.14285714
## 15.94	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 15.95	0.00000000	0.03703704	0.00000000	0.37037037	0.11111111	0.18518519
## 15.98	0.00000000	0.00000000	0.00000000	0.12500000	0.25000000	0.37500000
## 15.99	0.00000000	0.00000000	0.00000000	0.16666667	0.08333333	0.25000000
## 16	0.00000000	0.16666667	0.00000000	0.33333333	0.16666667	0.16666667
## 16.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.07	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 16.08	0.08333333	0.00000000	0.00000000	0.08333333	0.41666667	0.25000000
## 16.09	0.00000000	0.00000000	0.00000000	0.20000000	0.10000000	0.30000000
## 16.11	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 16.17	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 16.2	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.21	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 16.23	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 16.25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.27	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 16.29	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.32	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333	0.00000000
## 16.33	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 16.34	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.36	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 16.38	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000	0.75000000
## 16.39	0.00000000	0.10000000	0.00000000	0.20000000	0.20000000	0.20000000
## 16.4	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 16.44	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 16.45	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 16.46	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.47	0.00000000	0.08695652	0.04347826	0.13043478	0.17391304	0.13043478
## 16.48	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 16.5	0.05882353	0.00000000	0.05882353	0.23529412	0.35294118	0.11764706
## 16.51	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 16.52	0.00000000	0.07692308	0.00000000	0.15384615	0.30769231	0.38461538
## 16.53	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.56	0.00000000	0.33333333	0.00000000	0.00000000	0.33333333	0.00000000
## 16.57	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 16.58	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 16.59	0.00000000	0.33333333	0.16666667	0.00000000	0.16666667	0.16666667
## 16.6	0.00000000	0.00000000	0.25000000	0.00000000	0.00000000	0.25000000
## 16.62	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667

## 16.64	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 16.66	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 16.68	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 16.69	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667	0.00000000
## 16.7	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000
## 16.72	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 16.73	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 16.74	0.00000000	0.00000000	0.00000000	0.25000000	0.00000000	0.50000000
## 16.75	0.20000000	0.00000000	0.00000000	0.40000000	0.00000000	0.20000000
## 16.76	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.77	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.50000000
## 16.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 16.83	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 16.85	0.25000000	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000
## 16.87	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 16.88	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 16.9	0.01818182	0.01818182	0.14545455	0.10909091	0.21818182	0.30909091
## 16.92	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 16.93	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 16.94	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 16.95	0.03225806	0.00000000	0.03225806	0.19354839	0.19354839	0.35483871
## 16.96	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 16.97	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 16.98	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 16.99	0.00000000	0.00000000	0.14285714	0.14285714	0.28571429	0.14285714
## 17	0.00000000	0.00000000	0.00000000	0.37500000	0.25000000	0.25000000
## 17.01	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 17.06	0.00000000	0.00000000	0.20000000	0.20000000	0.13333333	0.40000000
## 17.07	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 17.09	0.33333333	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 17.1	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 17.13	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 17.16	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 17.18	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.33333333
## 17.2	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 17.21	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 17.23	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 17.24	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 17.25	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 17.29	0.16666667	0.16666667	0.08333333	0.08333333	0.16666667	0.33333333
## 17.3	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 17.35	0.00000000	0.16666667	0.00000000	0.16666667	0.33333333	0.00000000
## 17.36	0.16666667	0.00000000	0.00000000	0.33333333	0.00000000	0.16666667
## 17.38	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 17.4	0.00000000	0.00000000	0.20000000	0.00000000	0.20000000	0.20000000
## 17.41	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 17.42	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 17.44	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000
## 17.45	0.04347826	0.04347826	0.13043478	0.13043478	0.21739130	0.17391304
## 17.5	0.00000000	0.11764706	0.05882353	0.05882353	0.26470588	0.14705882
## 17.52	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000
## 17.54	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 17.55	0.00000000	0.20000000	0.00000000	0.20000000	0.20000000	0.40000000
## 17.57	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 17.59	0.00000000	0.00000000	0.25000000	0.25000000	0.25000000	0.00000000
## 17.6	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 17.61	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 17.63	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 17.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 17.7	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667
## 17.74	0.00000000	0.00000000	0.16666667	0.16666667	0.16666667	0.16666667
## 17.75	0.00000000	0.25000000	0.00000000	0.50000000	0.25000000	0.00000000
## 17.76	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 17.78	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 17.79	0.00000000	0.00000000	0.07142857	0.07142857	0.42857143	0.28571429
## 17.8	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 17.81	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 17.84	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 17.85	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 17.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 17.9	0.02702703	0.00000000	0.08108108	0.24324324	0.32432432	0.18918919
## 17.91	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 17.95	0.00000000	0.04761905	0.09523810	0.33333333	0.23809524	0.14285714
## 17.99	0.10000000	0.00000000	0.00000000	0.10000000	0.00000000	0.20000000
## 18	0.00000000	0.10000000	0.10000000	0.10000000	0.10000000	0.40000000
## 18.03	0.00000000	0.00000000	0.12500000	0.12500000	0.37500000	0.25000000
## 18.04	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.06	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.08	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 18.15	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.19	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000
## 18.2	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 18.21	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 18.23	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.24	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 18.25	0.00000000	0.33333333	0.00000000	0.00000000	0.33333333	0.33333333
## 18.27	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 18.29	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.3	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667
## 18.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.32	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 18.33	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.34	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 18.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.38	0.00000000	0.33333333	0.00000000	0.33333333	0.00000000	0.33333333
## 18.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 18.4	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 18.41	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.66666667
## 18.42	0.00000000	0.12000000	0.04000000	0.24000000	0.12000000	0.32000000
## 18.43	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 18.45	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.47	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000
## 18.49	0.00000000	0.00000000	0.00000000	0.50000000	0.25000000	0.25000000
## 18.5	0.03571429	0.07142857	0.14285714	0.14285714	0.28571429	0.25000000
## 18.51	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.52	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000	0.40000000
## 18.53	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
## 18.6	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000

## 18.64	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.7	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 18.72	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 18.73	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 18.75	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333	0.33333333
## 18.79	0.00000000	0.28571429	0.14285714	0.00000000	0.14285714	0.00000000
## 18.8	0.25000000	0.00000000	0.00000000	0.25000000	0.00000000	0.25000000
## 18.81	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 18.83	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 18.84	0.00000000	0.00000000	0.10000000	0.10000000	0.30000000	0.20000000
## 18.85	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 18.86	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333	0.00000000
## 18.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 18.9	0.02040816	0.02040816	0.04081633	0.22448980	0.18367347	0.18367347
## 18.92	0.00000000	0.25000000	0.00000000	0.25000000	0.00000000	0.25000000
## 18.93	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 18.94	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.25000000
## 18.95	0.00000000	0.00000000	0.10526316	0.31578947	0.26315789	0.10526316
## 18.97	0.00000000	0.00000000	0.00000000	0.00000000	0.75000000	0.00000000
## 18.98	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 18.99	0.12500000	0.12500000	0.00000000	0.00000000	0.37500000	0.12500000
## 19	0.00000000	0.14285714	0.14285714	0.42857143	0.14285714	0.14285714
## 19.01	0.00000000	0.00000000	0.00000000	0.11111111	0.55555556	0.11111111
## 19.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.05	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 19.07	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 19.11	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 19.2	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.50000000
## 19.24	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 19.25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.26	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 19.29	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000
## 19.3	0.15000000	0.05000000	0.25000000	0.05000000	0.15000000	0.15000000
## 19.31	0.33333333	0.00000000	0.33333333	0.33333333	0.00000000	0.00000000
## 19.35	0.00000000	0.00000000	0.00000000	0.40000000	0.20000000	0.20000000
## 19.37	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 19.39	0.00000000	0.00000000	0.14285714	0.14285714	0.57142857	0.00000000
## 19.4	0.03448276	0.03448276	0.00000000	0.06896552	0.41379310	0.27586207
## 19.42	0.20000000	0.00000000	0.20000000	0.40000000	0.00000000	0.20000000
## 19.43	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 19.44	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.45	0.09090909	0.04545455	0.09090909	0.00000000	0.09090909	0.13636364
## 19.47	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333	0.00000000
## 19.48	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.49	0.00000000	0.20000000	0.20000000	0.40000000	0.20000000	0.00000000
## 19.5	0.00000000	0.04000000	0.16000000	0.12000000	0.20000000	0.24000000
## 19.53	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.58	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 19.6	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
## 19.65	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 19.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.7	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
## 19.72	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 19.75	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000

## 19.77	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 19.79	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 19.8	0.00000000	0.00000000	0.20000000	0.40000000	0.00000000	0.20000000
## 19.82	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 19.85	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 19.86	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 19.87	0.00000000	0.33333333	0.00000000	0.00000000	0.33333333	0.33333333
## 19.88	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 19.89	0.25000000	0.00000000	0.50000000	0.00000000	0.00000000	0.25000000
## 19.9	0.01818182	0.07272727	0.07272727	0.21818182	0.20000000	0.21818182
## 19.91	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 19.95	0.06060606	0.00000000	0.18181818	0.15151515	0.24242424	0.12121212
## 19.98	0.00000000	0.25000000	0.00000000	0.00000000	0.00000000	0.75000000
## 19.99	0.00000000	0.00000000	0.04761905	0.14285714	0.19047619	0.42857143
## 20	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 20.09	0.50000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 20.15	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.19	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
## 20.2	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 20.25	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 20.27	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 20.28	0.25000000	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000
## 20.29	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 20.32	0.00000000	0.00000000	0.00000000	0.66666667	0.33333333	0.00000000
## 20.36	0.33333333	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000
## 20.37	0.00000000	0.20000000	0.00000000	0.00000000	0.40000000	0.20000000
## 20.4	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 20.42	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.43	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 20.47	0.00000000	0.00000000	0.00000000	0.16666667	0.50000000	0.33333333
## 20.5	0.10000000	0.00000000	0.00000000	0.20000000	0.20000000	0.30000000
## 20.53	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667
## 20.54	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000	0.25000000
## 20.65	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333	0.33333333
## 20.67	0.00000000	0.00000000	0.00000000	0.00000000	0.25000000	0.50000000
## 20.74	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 20.75	0.00000000	0.20000000	0.20000000	0.20000000	0.40000000	0.00000000
## 20.76	0.00000000	0.20000000	0.00000000	0.40000000	0.40000000	0.00000000
## 20.81	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 20.84	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.85	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 20.86	0.00000000	0.33333333	0.00000000	0.33333333	0.33333333	0.00000000
## 20.88	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 20.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 20.9	0.00000000	0.00000000	0.15789474	0.10526316	0.21052632	0.21052632
## 20.93	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 20.95	0.00000000	0.00000000	0.00000000	0.72727273	0.18181818	0.09090909
## 20.96	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 20.97	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 20.99	0.00000000	0.20000000	0.40000000	0.00000000	0.20000000	0.00000000
## 21	0.00000000	0.16666667	0.16666667	0.00000000	0.33333333	0.33333333
## 21.05	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000	0.00000000
## 21.1	0.00000000	0.00000000	0.50000000	0.25000000	0.00000000	0.00000000
## 21.15	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000

## 21.16	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 21.18	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.19	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 21.2	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.21	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 21.24	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000
## 21.25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 21.29	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.33	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 21.34	0.00000000	0.25000000	0.00000000	0.25000000	0.25000000	0.00000000
## 21.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.39	0.00000000	0.00000000	0.00000000	0.20000000	0.60000000	0.20000000
## 21.4	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.44	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 21.45	0.00000000	0.05882353	0.11764706	0.11764706	0.29411765	0.23529412
## 21.5	0.15384615	0.07692308	0.00000000	0.38461538	0.23076923	0.07692308
## 21.51	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.57	0.00000000	0.00000000	0.40000000	0.60000000	0.00000000	0.00000000
## 21.58	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.6	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.63	0.00000000	0.25000000	0.00000000	0.25000000	0.25000000	0.25000000
## 21.65	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 21.66	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 21.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 21.8	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 21.82	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 21.83	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 21.85	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.87	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.88	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000
## 21.89	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 21.9	0.04000000	0.04000000	0.24000000	0.28000000	0.08000000	0.08000000
## 21.91	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 21.93	0.00000000	0.00000000	0.20000000	0.40000000	0.40000000	0.00000000
## 21.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 21.95	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.16666667
## 21.99	0.16666667	0.00000000	0.16666667	0.16666667	0.16666667	0.00000000
## 22	0.00000000	0.06250000	0.12500000	0.06250000	0.06250000	0.56250000
## 22.09	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 22.1	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 22.13	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 22.2	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.21	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 22.22	0.00000000	0.00000000	0.16666667	0.00000000	0.00000000	0.50000000
## 22.23	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000	0.00000000
## 22.3	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 22.32	0.12500000	0.12500000	0.00000000	0.12500000	0.12500000	0.25000000
## 22.33	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 22.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.36	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.37	0.00000000	0.25000000	0.00000000	0.25000000	0.00000000	0.00000000
## 22.38	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 22.39	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000

## 22.42	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000
## 22.45	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 22.47	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 22.49	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 22.5	0.06250000	0.12500000	0.12500000	0.06250000	0.31250000	0.12500000
## 22.59	0.00000000	0.33333333	0.00000000	0.00000000	0.66666667	0.00000000
## 22.62	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 22.63	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 22.65	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 22.67	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 22.69	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 22.7	0.00000000	0.00000000	0.25000000	0.00000000	0.25000000	0.25000000
## 22.71	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 22.75	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 22.78	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 22.79	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 22.8	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 22.85	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 22.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 22.9	0.05000000	0.05000000	0.15000000	0.15000000	0.25000000	0.20000000
## 22.91	0.20000000	0.20000000	0.00000000	0.00000000	0.20000000	0.00000000
## 22.94	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 22.95	0.00000000	0.00000000	0.25000000	0.50000000	0.00000000	0.00000000
## 22.99	0.00000000	0.00000000	0.33333333	0.00000000	0.11111111	0.22222222
## 23	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000	0.00000000
## 23.01	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 23.05	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 23.06	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 23.08	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 23.09	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 23.1	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 23.11	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 23.15	0.00000000	0.50000000	0.00000000	0.00000000	0.25000000	0.25000000
## 23.16	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 23.17	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 23.19	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 23.2	0.33333333	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 23.23	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000
## 23.25	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 23.29	0.00000000	0.00000000	0.10000000	0.20000000	0.30000000	0.30000000
## 23.3	0.00000000	0.00000000	0.00000000	0.50000000	0.25000000	0.00000000
## 23.33	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 23.34	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 23.35	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 23.38	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 23.39	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.4	0.00000000	0.00000000	0.20000000	0.00000000	0.40000000	0.40000000
## 23.45	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000
## 23.49	0.00000000	0.00000000	0.40000000	0.20000000	0.20000000	0.20000000
## 23.5	0.00000000	0.00000000	0.10000000	0.00000000	0.40000000	0.20000000
## 23.52	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 23.61	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667
## 23.65	0.00000000	0.33333333	0.00000000	0.33333333	0.00000000	0.00000000
## 23.68	0.33333333	0.00000000	0.33333333	0.00000000	0.33333333	0.00000000

## 23.7	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 23.75	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000	0.25000000
## 23.79	0.25000000	0.00000000	0.00000000	0.00000000	0.50000000	0.25000000
## 23.8	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.88	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.16666667
## 23.89	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.9	0.00000000	0.05882353	0.05882353	0.35294118	0.05882353	0.29411765
## 23.91	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 23.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 23.95	0.00000000	0.00000000	0.20000000	0.40000000	0.00000000	0.20000000
## 23.99	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.33333333
## 24	0.00000000	0.00000000	0.12500000	0.00000000	0.12500000	0.37500000
## 24.01	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 24.08	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 24.09	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 24.1	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 24.12	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 24.14	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 24.15	0.33333333	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 24.17	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000
## 24.18	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 24.19	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 24.2	0.25000000	0.00000000	0.00000000	0.25000000	0.50000000	0.00000000
## 24.24	0.00000000	0.33333333	0.00000000	0.33333333	0.00000000	0.00000000
## 24.26	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 24.27	0.07142857	0.07142857	0.07142857	0.14285714	0.28571429	0.07142857
## 24.3	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333	0.00000000
## 24.32	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 24.33	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.34	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 24.37	0.00000000	0.00000000	0.00000000	0.33333333	0.50000000	0.00000000
## 24.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.45	0.50000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 24.49	0.00000000	0.00000000	0.25000000	0.00000000	0.25000000	0.50000000
## 24.5	0.00000000	0.10000000	0.10000000	0.30000000	0.40000000	0.10000000
## 24.57	0.33333333	0.33333333	0.00000000	0.00000000	0.33333333	0.00000000
## 24.59	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 24.63	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 24.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.7	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 24.73	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000
## 24.74	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333	0.00000000
## 24.75	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667
## 24.8	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
## 24.85	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.86	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 24.88	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 24.89	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000
## 24.9	0.04545455	0.04545455	0.09090909	0.22727273	0.31818182	0.13636364
## 24.91	0.00000000	0.33333333	0.00000000	0.33333333	0.00000000	0.33333333
## 24.95	0.00000000	0.22222222	0.00000000	0.11111111	0.44444444	0.11111111
## 24.99	0.33333333	0.16666667	0.00000000	0.16666667	0.16666667	0.00000000
## 25	0.10000000	0.10000000	0.10000000	0.20000000	0.10000000	0.10000000
## 25.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000

##	25.04	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	25.1	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000	0.00000000
##	25.12	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
##	25.13	0.20000000	0.20000000	0.00000000	0.40000000	0.00000000	0.00000000
##	25.15	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	25.16	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	25.2	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	25.24	0.00000000	0.00000000	0.00000000	0.40000000	0.20000000	0.40000000
##	25.25	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
##	25.26	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
##	25.29	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
##	25.3	0.33333333	0.33333333	0.00000000	0.00000000	0.33333333	0.00000000
##	25.34	0.25000000	0.00000000	0.00000000	0.25000000	0.00000000	0.50000000
##	25.35	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
##	25.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
##	25.44	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
##	25.45	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
##	25.47	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
##	25.49	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	25.5	0.20000000	0.00000000	0.30000000	0.00000000	0.30000000	0.20000000
##	25.55	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
##	25.57	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
##	25.69	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	25.7	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
##	25.71	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
##	25.75	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000	0.00000000
##	25.78	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
##	25.79	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	25.8	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000
##	25.83	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000
##	25.84	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
##	25.85	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
##	25.89	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
##	25.9	0.11111111	0.03703704	0.03703704	0.11111111	0.33333333	0.14814815
##	25.92	0.00000000	0.00000000	0.20000000	0.40000000	0.20000000	0.00000000
##	25.95	0.00000000	0.00000000	0.00000000	0.20000000	0.20000000	0.00000000
##	25.99	0.22222222	0.00000000	0.00000000	0.22222222	0.33333333	0.22222222
##	26	0.00000000					

## 26.32	0.00000000	0.00000000	0.00000000	0.40000000	0.40000000	0.20000000
## 26.36	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.47	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 26.48	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 26.5	0.08333333	0.08333333	0.08333333	0.08333333	0.16666667	0.16666667
## 26.55	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 26.61	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 26.66	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.69	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 26.7	0.11111111	0.00000000	0.11111111	0.22222222	0.44444444	0.00000000
## 26.77	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.8	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000
## 26.81	0.00000000	0.00000000	0.14285714	0.00000000	0.28571429	0.42857143
## 26.85	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 26.89	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
## 26.9	0.00000000	0.05263158	0.21052632	0.21052632	0.26315789	0.21052632
## 26.92	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 26.95	0.16666667	0.00000000	0.16666667	0.33333333	0.00000000	0.00000000
## 26.99	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333	0.00000000
## 27	0.11111111	0.00000000	0.11111111	0.33333333	0.22222222	0.22222222
## 27.04	0.00000000	0.00000000	0.50000000	0.00000000	0.25000000	0.25000000
## 27.06	0.20000000	0.00000000	0.00000000	0.40000000	0.00000000	0.20000000
## 27.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 27.1	0.00000000	0.33333333	0.00000000	0.00000000	0.33333333	0.33333333
## 27.11	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.13	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 27.15	0.00000000	0.16666667	0.16666667	0.33333333	0.33333333	0.00000000
## 27.2	0.00000000	0.11111111	0.22222222	0.22222222	0.22222222	0.11111111
## 27.25	0.00000000	0.00000000	0.33333333	0.66666667	0.00000000	0.00000000
## 27.26	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.27	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.28	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.29	0.00000000	0.11111111	0.11111111	0.11111111	0.22222222	0.11111111
## 27.3	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.32	0.00000000	0.25000000	0.25000000	0.00000000	0.50000000	0.00000000
## 27.36	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.33333333
## 27.4	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.43	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000
## 27.5	0.00000000	0.00000000	0.00000000	0.14285714	0.35714286	0.21428571
## 27.59	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 27.6	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.65	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.68	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 27.69	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.71	0.00000000	0.25000000	0.25000000	0.25000000	0.25000000	0.00000000
## 27.75	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000
## 27.78	0.12500000	0.00000000	0.12500000	0.00000000	0.25000000	0.25000000
## 27.79	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.82	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 27.89	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 27.9	0.00000000	0.09090909	0.00000000	0.36363636	0.36363636	0.09090909
## 27.95	0.00000000	0.14285714	0.00000000	0.14285714	0.14285714	0.00000000
## 27.96	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 27.99	0.00000000	0.25000000	0.00000000	0.00000000	0.25000000	0.50000000
## 28	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000
## 28.01	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000	0.00000000
## 28.03	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 28.06	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 28.07	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000
## 28.08	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 28.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 28.1	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 28.12	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 28.13	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 28.16	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 28.17	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 28.18	0.00000000	0.16666667	0.16666667	0.00000000	0.33333333	0.00000000
## 28.22	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 28.24	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.50000000
## 28.25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 28.27	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 28.3	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 28.31	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 28.35	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 28.38	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 28.4	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 28.41	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 28.42	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 28.47	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 28.49	0.00000000	0.20000000	0.00000000	0.20000000	0.20000000	0.20000000
## 28.5	0.00000000	0.16666667	0.00000000	0.50000000	0.00000000	0.16666667
## 28.55	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 28.59	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 28.6	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 28.62	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 28.65	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 28.66	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 28.7	0.25000000	0.00000000	0.25000000	0.25000000	0.00000000	0.00000000
## 28.72	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 28.76	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000	0.66666667
## 28.8	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 28.83	0.00000000	0.00000000	0.25000000	0.50000000	0.25000000	0.00000000
## 28.9	0.06666667	0.06666667	0.13333333	0.13333333	0.40000000	0.06666667
## 28.92	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 28.93	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 28.95	0.00000000	0.00000000	0.00000000	0.40000000	0.20000000	0.20000000
## 28.99	0.00000000	0.00000000	0.25000000	0.50000000	0.25000000	0.00000000
## 29	0.00000000	0.00000000	0.00000000	0.66666667	0.33333333	0.00000000
## 29.05	0.16666667	0.00000000	0.33333333	0.16666667	0.00000000	0.33333333
## 29.08	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 29.09	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 29.1	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 29.12	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 29.13	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 29.15	0.00000000	0.00000000	0.00000000	0.28571429	0.38095238	0.14285714
## 29.19	0.00000000	0.20000000	0.00000000	0.00000000	0.00000000	0.00000000
## 29.2	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000

## 29.25	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 29.28	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 29.29	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 29.36	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 29.37	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 29.39	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 29.41	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 29.45	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 29.47	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 29.48	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 29.49	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 29.5	0.06250000	0.12500000	0.06250000	0.18750000	0.37500000	0.12500000
## 29.54	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 29.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 29.6	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 29.61	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 29.67	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 29.77	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 29.8	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 29.84	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 29.85	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 29.89	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 29.9	0.08571429	0.05714286	0.14285714	0.20000000	0.25714286	0.11428571
## 29.95	0.00000000	0.20000000	0.25000000	0.05000000	0.20000000	0.05000000
## 29.99	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333	0.33333333
## 30	0.00000000	0.50000000	0.00000000	0.25000000	0.00000000	0.00000000
## 30.07	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 30.12	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 30.17	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 30.19	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 30.31	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 30.39	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 30.43	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 30.45	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 30.47	0.33333333	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 30.52	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 30.62	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000
## 30.65	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 30.7	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 30.71	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 30.73	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 30.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 30.78	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 30.81	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 30.9	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000
## 30.95	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000
## 30.99	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 31	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333
## 31.02	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 31.1	0.00000000	0.25000000	0.00000000	0.25000000	0.25000000	0.25000000
## 31.16	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 31.18	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333	0.00000000
## 31.19	0.00000000	0.12500000	0.12500000	0.25000000	0.37500000	0.12500000
## 31.2	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 31.39	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 31.48	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 31.5	0.00000000	0.33333333	0.33333333	0.00000000	0.33333333	0.00000000
## 31.53	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000	0.00000000
## 31.57	0.00000000	0.20000000	0.00000000	0.20000000	0.40000000	0.20000000
## 31.59	0.50000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 31.63	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 31.68	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333	0.00000000
## 31.85	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 31.9	0.09090909	0.18181818	0.09090909	0.27272727	0.18181818	0.09090909
## 31.91	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 31.95	0.00000000	0.00000000	0.12500000	0.37500000	0.00000000	0.00000000
## 31.96	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333	0.00000000
## 31.97	0.50000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 31.99	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 32	0.00000000	0.07692308	0.00000000	0.53846154	0.07692308	0.23076923
## 32.06	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 32.07	0.00000000	0.33333333	0.00000000	0.33333333	0.00000000	0.00000000
## 32.12	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000	0.25000000
## 32.14	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 32.17	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 32.19	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 32.27	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 32.3	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 32.35	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 32.36	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 32.41	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000	0.00000000
## 32.45	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 32.5	0.12500000	0.25000000	0.00000000	0.25000000	0.25000000	0.12500000
## 32.52	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 32.54	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 32.55	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 32.65	0.00000000	0.33333333	0.00000000	0.33333333	0.33333333	0.00000000
## 32.66	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 32.67	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 32.75	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 32.79	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 32.86	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 32.87	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 32.88	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 32.9	0.08333333	0.00000000	0.16666667	0.25000000	0.08333333	0.25000000
## 32.95	0.00000000	0.00000000	0.50000000	0.00000000	0.25000000	0.00000000
## 32.97	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 32.99	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 33	0.00000000	0.14285714	0.14285714	0.00000000	0.28571429	0.28571429
## 33.05	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 33.13	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 33.14	0.25000000	0.00000000	0.00000000	0.50000000	0.00000000	0.25000000
## 33.2	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 33.25	0.00000000	0.40000000	0.40000000	0.00000000	0.00000000	0.20000000
## 33.42	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 33.45	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 33.46	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 33.48	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000

## 33.5	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333	0.00000000
## 33.59	0.00000000	0.00000000	0.25000000	0.75000000	0.00000000	0.00000000
## 33.62	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 33.63	0.33333333	0.00000000	0.33333333	0.00000000	0.00000000	0.33333333
## 33.68	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 33.69	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000	0.00000000
## 33.73	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 33.76	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 33.81	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000
## 33.83	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 33.85	0.66666667	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 33.87	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 33.89	0.50000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 33.9	0.23076923	0.07692308	0.07692308	0.15384615	0.15384615	0.23076923
## 33.92	0.33333333	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000
## 33.95	0.11111111	0.11111111	0.11111111	0.22222222	0.22222222	0.11111111
## 33.97	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 33.99	0.16666667	0.00000000	0.00000000	0.16666667	0.33333333	0.33333333
## 34	0.00000000	0.25000000	0.00000000	0.25000000	0.00000000	0.25000000
## 34.02	0.00000000	0.00000000	0.25000000	0.25000000	0.16666667	0.16666667
## 34.07	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 34.1	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 34.12	0.20000000	0.00000000	0.00000000	0.00000000	0.40000000	0.20000000
## 34.15	0.00000000	0.00000000	0.16666667	0.16666667	0.00000000	0.16666667
## 34.2	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 34.21	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 34.22	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 34.32	0.25000000	0.00000000	0.25000000	0.00000000	0.50000000	0.00000000
## 34.4	0.50000000	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000
## 34.44	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 34.5	0.00000000	0.66666667	0.00000000	0.33333333	0.00000000	0.00000000
## 34.54	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000	0.00000000
## 34.58	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 34.59	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 34.61	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 34.64	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 34.65	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 34.71	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 34.73	0.00000000	0.66666667	0.00000000	0.00000000	0.00000000	0.33333333
## 34.8	0.20000000	0.00000000	0.20000000	0.20000000	0.20000000	0.20000000
## 34.82	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 34.85	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 34.89	0.25000000	0.25000000	0.00000000	0.00000000	0.25000000	0.00000000
## 34.9	0.00000000	0.09090909	0.18181818	0.36363636	0.18181818	0.09090909
## 34.91	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 34.95	0.11111111	0.00000000	0.00000000	0.11111111	0.44444444	0.00000000
## 34.97	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 34.99	0.00000000	0.00000000	0.00000000	0.50000000	0.25000000	0.12500000
## 35	0.10000000	0.10000000	0.05000000	0.30000000	0.05000000	0.25000000
## 35.04	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 35.09	0.20000000	0.10000000	0.30000000	0.20000000	0.00000000	0.00000000
## 35.1	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 35.27	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 35.37	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

## 35.44	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 35.45	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 35.5	0.20000000	0.20000000	0.40000000	0.20000000	0.00000000	0.00000000
## 35.55	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 35.57	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 35.58	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 35.68	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 35.69	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000
## 35.7	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 35.74	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 35.77	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 35.84	0.33333333	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000
## 35.85	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 35.89	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 35.9	0.00000000	0.14285714	0.00000000	0.28571429	0.14285714	0.00000000
## 35.95	0.00000000	0.16666667	0.16666667	0.33333333	0.00000000	0.00000000
## 35.97	0.00000000	0.40000000	0.00000000	0.00000000	0.20000000	0.00000000
## 35.99	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 36	0.00000000	0.14285714	0.28571429	0.00000000	0.28571429	0.14285714
## 36.06	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000	0.00000000
## 36.11	0.50000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 36.15	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 36.18	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 36.3	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 36.33	0.00000000	0.25000000	0.25000000	0.25000000	0.25000000	0.00000000
## 36.37	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.50000000
## 36.38	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 36.45	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 36.5	0.00000000	0.28571429	0.42857143	0.00000000	0.14285714	0.00000000
## 36.52	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000
## 36.55	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000
## 36.56	0.00000000	0.20000000	0.00000000	0.20000000	0.20000000	0.40000000
## 36.58	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 36.63	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 36.7	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 36.71	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 36.74	0.00000000	0.00000000	0.25000000	0.50000000	0.25000000	0.00000000
## 36.75	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 36.76	0.50000000	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000
## 36.79	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 36.83	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 36.85	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333
## 36.89	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 36.9	0.00000000	0.00000000	0.00000000	0.12500000	0.25000000	0.37500000
## 36.95	0.08333333	0.00000000	0.08333333	0.16666667	0.25000000	0.08333333
## 36.99	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333
## 37	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000	0.33333333
## 37.03	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 37.04	0.00000000	0.18181818	0.27272727	0.00000000	0.27272727	0.27272727
## 37.3	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 37.34	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 37.43	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 37.45	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 37.5	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000

## 37.53	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 37.56	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 37.63	0.33333333	0.00000000	0.33333333	0.00000000	0.00000000	0.33333333
## 37.64	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 37.73	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 37.79	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.50000000
## 37.82	0.00000000	0.00000000	0.33333333	0.66666667	0.00000000	0.00000000
## 37.83	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 37.85	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 37.9	0.08333333	0.08333333	0.08333333	0.25000000	0.25000000	0.16666667
## 37.92	0.33333333	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000
## 37.95	0.00000000	0.16666667	0.16666667	0.33333333	0.00000000	0.00000000
## 37.97	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 37.98	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 37.99	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 38	0.00000000	0.00000000	0.00000000	0.33333333	0.66666667	0.00000000
## 38.01	0.00000000	0.00000000	0.28571429	0.00000000	0.14285714	0.00000000
## 38.02	0.00000000	0.09090909	0.00000000	0.18181818	0.54545455	0.09090909
## 38.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38.3	0.50000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 38.41	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 38.5	0.14285714	0.00000000	0.14285714	0.14285714	0.28571429	0.28571429
## 38.54	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 38.56	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 38.57	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 38.6	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38.69	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 38.7	0.00000000	0.14285714	0.14285714	0.28571429	0.00000000	0.14285714
## 38.75	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 38.79	0.25000000	0.25000000	0.50000000	0.00000000	0.00000000	0.00000000
## 38.8	0.00000000	0.33333333	0.00000000	0.00000000	0.66666667	0.00000000
## 38.89	0.18181818	0.00000000	0.18181818	0.36363636	0.18181818	0.09090909
## 38.9	0.00000000	0.00000000	0.00000000	0.40000000	0.40000000	0.20000000
## 38.91	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 38.94	0.27272727	0.09090909	0.00000000	0.09090909	0.18181818	0.09090909
## 38.95	0.00000000	0.00000000	0.25000000	0.25000000	0.50000000	0.00000000
## 38.96	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 38.99	0.00000000	0.20000000	0.00000000	0.00000000	0.60000000	0.20000000
## 39	0.20000000	0.00000000	0.20000000	0.10000000	0.10000000	0.20000000
## 39.15	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 39.19	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000
## 39.47	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 39.48	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 39.5	0.11111111	0.11111111	0.00000000	0.33333333	0.11111111	0.11111111
## 39.58	0.25000000	0.00000000	0.00000000	0.25000000	0.25000000	0.00000000
## 39.69	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 39.79	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
## 39.87	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 39.89	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 39.9	0.08333333	0.08333333	0.20833333	0.37500000	0.12500000	0.04166667
## 39.95	0.06666667	0.13333333	0.03333333	0.06666667	0.20000000	0.00000000
## 39.98	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 39.99	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.33333333
## 40	0.00000000	0.50000000	0.00000000	0.00000000	0.00000000	0.00000000

[illegible]

## 42.8	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 42.89	0.20000000	0.13333333	0.13333333	0.13333333	0.26666667	0.13333333
## 42.9	0.00000000	0.00000000	0.33333333	0.66666667	0.00000000	0.00000000
## 42.94	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 42.95	0.00000000	0.25000000	0.00000000	0.25000000	0.00000000	0.25000000
## 42.99	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 43	0.50000000	0.00000000	0.00000000	0.25000000	0.00000000	0.00000000
## 43.16	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 43.17	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 43.28	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 43.39	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 43.43	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 43.5	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000	0.33333333
## 43.55	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 43.6	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 43.61	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 43.65	0.33333333	0.00000000	0.00000000	0.00000000	0.00000000	0.33333333
## 43.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 43.7	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000	0.50000000
## 43.77	0.00000000	0.00000000	0.40000000	0.00000000	0.20000000	0.20000000
## 43.8	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 43.82	0.25000000	0.00000000	0.00000000	0.50000000	0.25000000	0.00000000
## 43.83	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 43.85	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 43.87	0.00000000	0.00000000	0.12500000	0.37500000	0.12500000	0.12500000
## 43.9	0.16666667	0.16666667	0.33333333	0.16666667	0.00000000	0.00000000
## 43.95	0.00000000	0.00000000	0.00000000	0.33333333	0.33333333	0.00000000
## 43.99	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 44	0.00000000	0.00000000	0.00000000	0.20000000	0.60000000	0.00000000
## 44.11	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 44.28	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 44.47	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 44.5	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 44.52	0.00000000	0.00000000	0.25000000	0.25000000	0.00000000	0.50000000
## 44.57	0.00000000	0.00000000	0.00000000	0.00000000	0.66666667	0.00000000
## 44.59	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 44.61	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 44.62	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 44.73	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 44.74	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 44.75	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 44.79	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 44.8	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 44.84	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 44.85	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000
## 44.9	0.00000000	0.33333333	0.16666667	0.00000000	0.16666667	0.00000000
## 44.91	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000
## 44.95	0.00000000	0.00000000	0.00000000	0.40000000	0.20000000	0.00000000
## 44.96	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.50000000
## 44.99	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 45	0.10526316	0.05263158	0.10526316	0.21052632	0.15789474	0.21052632
## 45.26	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 45.28	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 45.29	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000

##	45.5	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	45.59	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
##	45.6	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
##	45.69	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	45.72	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
##	45.74	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
##	45.77	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000
##	45.84	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
##	45.9	0.16666667	0.00000000	0.50000000	0.00000000	0.00000000	0.16666667
##	45.95	0.00000000	0.20000000	0.00000000	0.00000000	0.20000000	0.60000000
##	46	0.00000000	0.00000000	0.00000000	0.25000000	0.25000000	0.00000000
##	46.21	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	46.29	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	46.3	0.33333333	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000
##	46.32	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
##	46.34	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	46.4	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	46.41	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
##	46.46	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	46.5	0.20000000	0.20000000	0.00000000	0.20000000	0.20000000	0.20000000
##	46.6	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
##	46.64	0.00000000	0.00000000	0.50000000	0.00000000	0.50000000	0.00000000
##	46.65	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
##	46.69	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
##	46.7	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
##	46.75	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
##	46.77	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
##	46.79	0.00000000	0.06250000	0.18750000	0.31250000	0.18750000	0.12500000
##	46.84	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
##	46.88	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	46.9	0.00000000	0.66666667	0.00000000	0.33333333	0.00000000	0.00000000
##	46.95	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000
##	47	0.00000000	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000
##	47.2	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
##	47.4	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	47.5	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
##	47.52	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
##	47.53	0.25000000	0.50000				

## 48.37	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 48.4	0.20000000	0.20000000	0.00000000	0.40000000	0.00000000	0.00000000
## 48.43	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 48.45	0.33333333	0.00000000	0.33333333	0.00000000	0.00000000	0.00000000
## 48.5	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 48.54	0.33333333	0.00000000	0.00000000	0.66666667	0.00000000	0.00000000
## 48.55	0.00000000	0.00000000	0.16666667	0.33333333	0.33333333	0.16666667
## 48.6	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 48.64	0.00000000	0.00000000	0.23076923	0.23076923	0.23076923	0.07692308
## 48.69	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 48.74	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 48.76	0.00000000	0.00000000	0.00000000	0.50000000	0.50000000	0.00000000
## 48.79	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 48.9	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 48.95	0.00000000	0.00000000	0.00000000	0.50000000	0.00000000	0.00000000
## 49	0.00000000	0.00000000	0.08333333	0.25000000	0.25000000	0.16666667
## 49.02	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 49.09	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 49.37	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 49.47	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 49.5	0.00000000	0.00000000	0.00000000	0.40000000	0.40000000	0.00000000
## 49.55	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 49.6	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.75	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.76	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 49.77	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 49.88	0.00000000	0.50000000	0.50000000	0.00000000	0.00000000	0.00000000
## 49.9	0.00000000	0.10000000	0.20000000	0.20000000	0.30000000	0.20000000
## 49.95	0.00000000	0.11764706	0.05882353	0.00000000	0.11764706	0.00000000
## 49.98	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 49.99	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 50	0.00000000	0.00000000	0.00000000	0.33333333	0.00000000	0.33333333
## 50.09	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50.11	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 50.19	1.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 50.33	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 50.43	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 50.47	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 50.56	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000
## 50.6	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000
## 50.67	0.00000000	0.33333333	0.33333333	0.33333333	0.00000000	0.00000000
## 50.69	0.00000000	0.00000000	0.00000000	0.75000000	0.00000000	0.25000000
## 50.85	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000
## 50.9	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
## 50.95	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
## 51.15	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000
##	Year2018	Year2019	Year2020			
## 3.55	1.00000000	0.00000000	0.00000000			
## 3.7	0.50000000	0.00000000	0.00000000			
## 3.74	1.00000000	0.00000000	0.00000000			
## 3.75	1.00000000	0.00000000	0.00000000			
## 3.79	1.00000000	0.00000000	0.00000000			
## 3.95	0.50000000	0.00000000	0.00000000			
## 3.99	0.50000000	0.00000000	0.00000000			

## 4	0.00000000	0.00000000	0.00000000
## 4.15	0.00000000	1.00000000	0.00000000
## 4.16	0.00000000	0.00000000	0.00000000
## 4.25	0.75000000	0.25000000	0.00000000
## 4.28	0.50000000	0.50000000	0.00000000
## 4.29	0.00000000	1.00000000	0.00000000
## 4.3	0.50000000	0.00000000	0.00000000
## 4.31	1.00000000	0.00000000	0.00000000
## 4.38	1.00000000	0.00000000	0.00000000
## 4.4	0.00000000	1.00000000	0.00000000
## 4.44	1.00000000	0.00000000	0.00000000
## 4.45	1.00000000	0.00000000	0.00000000
## 4.5	1.00000000	0.00000000	0.00000000
## 4.55	0.00000000	1.00000000	0.00000000
## 4.57	0.50000000	0.00000000	0.00000000
## 4.6	1.00000000	0.00000000	0.00000000
## 4.63	1.00000000	0.00000000	0.00000000
## 4.65	0.00000000	1.00000000	0.00000000
## 4.66	1.00000000	0.00000000	0.00000000
## 4.67	0.00000000	1.00000000	0.00000000
## 4.7	0.66666667	0.00000000	0.00000000
## 4.73	1.00000000	0.00000000	0.00000000
## 4.74	0.00000000	0.00000000	0.00000000
## 4.75	0.83333333	0.00000000	0.00000000
## 4.76	1.00000000	0.00000000	0.00000000
## 4.78	0.00000000	1.00000000	0.00000000
## 4.79	1.00000000	0.00000000	0.00000000
## 4.8	0.33333333	0.33333333	0.00000000
## 4.82	0.00000000	1.00000000	0.00000000
## 4.83	0.33333333	0.00000000	0.00000000
## 4.84	0.00000000	1.00000000	0.00000000
## 4.85	0.50000000	0.00000000	0.00000000
## 4.86	0.00000000	0.00000000	0.00000000
## 4.89	0.25000000	0.25000000	0.00000000
## 4.9	0.50000000	0.30000000	0.00000000
## 4.92	0.50000000	0.00000000	0.00000000
## 4.94	0.00000000	1.00000000	0.00000000
## 4.95	0.50000000	0.08333333	0.00000000
## 4.99	0.71428571	0.00000000	0.00000000
## 5	0.00000000	1.00000000	0.00000000
## 5.02	1.00000000	0.00000000	0.00000000
## 5.03	0.00000000	1.00000000	0.00000000
## 5.1	0.33333333	0.33333333	0.00000000
## 5.12	1.00000000	0.00000000	0.00000000
## 5.14	0.00000000	0.00000000	0.00000000
## 5.15	1.00000000	0.00000000	0.00000000
## 5.16	0.80000000	0.20000000	0.00000000
## 5.2	0.40000000	0.20000000	0.00000000
## 5.21	0.00000000	0.00000000	0.00000000
## 5.23	0.00000000	0.00000000	0.00000000
## 5.25	0.14285714	0.57142857	0.00000000
## 5.28	1.00000000	0.00000000	0.00000000
## 5.29	0.60000000	0.00000000	0.00000000
## 5.3	0.33333333	0.33333333	0.00000000

## 5.31	0.00000000	0.00000000	0.00000000
## 5.32	0.50000000	0.00000000	0.00000000
## 5.33	0.40000000	0.40000000	0.00000000
## 5.35	0.33333333	0.33333333	0.00000000
## 5.36	1.00000000	0.00000000	0.00000000
## 5.38	1.00000000	0.00000000	0.00000000
## 5.4	0.50000000	0.50000000	0.00000000
## 5.42	0.00000000	0.00000000	0.00000000
## 5.43	0.50000000	0.00000000	0.00000000
## 5.45	0.00000000	1.00000000	0.00000000
## 5.46	0.00000000	1.00000000	0.00000000
## 5.49	0.40000000	0.60000000	0.00000000
## 5.5	0.52631579	0.26315789	0.00000000
## 5.51	0.00000000	0.00000000	0.00000000
## 5.52	1.00000000	0.00000000	0.00000000
## 5.53	0.00000000	0.40000000	0.00000000
## 5.54	0.00000000	1.00000000	0.00000000
## 5.55	1.00000000	0.00000000	0.00000000
## 5.56	0.00000000	1.00000000	0.00000000
## 5.59	0.00000000	1.00000000	0.00000000
## 5.6	0.33333333	0.33333333	0.00000000
## 5.61	0.00000000	1.00000000	0.00000000
## 5.62	0.33333333	0.66666667	0.00000000
## 5.63	0.00000000	0.00000000	0.00000000
## 5.64	1.00000000	0.00000000	0.00000000
## 5.65	0.33333333	0.16666667	0.00000000
## 5.68	1.00000000	0.00000000	0.00000000
## 5.69	0.33333333	0.33333333	0.00000000
## 5.7	0.40000000	0.40000000	0.00000000
## 5.71	0.33333333	0.66666667	0.00000000
## 5.72	0.50000000	0.00000000	0.00000000
## 5.74	0.42857143	0.28571429	0.00000000
## 5.75	0.44444444	0.16666667	0.00000000
## 5.76	0.33333333	0.33333333	0.00000000
## 5.77	1.00000000	0.00000000	0.00000000
## 5.79	0.38888889	0.50000000	0.00000000
## 5.8	0.38461538	0.15384615	0.00000000
## 5.81	1.00000000	0.00000000	0.00000000
## 5.82	1.00000000	0.00000000	0.00000000
## 5.84	0.50000000	0.00000000	0.00000000
## 5.85	1.00000000	0.00000000	0.00000000
## 5.89	1.00000000	0.00000000	0.00000000
## 5.9	0.61538462	0.03846154	0.00000000
## 5.94	1.00000000	0.00000000	0.00000000
## 5.95	0.33333333	0.39393939	0.03030303
## 5.98	1.00000000	0.00000000	0.00000000
## 5.99	0.42105263	0.15789474	0.00000000
## 6	0.54545455	0.09090909	0.00000000
## 6.02	0.00000000	0.00000000	0.00000000
## 6.03	0.00000000	0.00000000	0.00000000
## 6.05	0.71428571	0.28571429	0.00000000
## 6.09	0.20000000	0.00000000	0.00000000
## 6.1	1.00000000	0.00000000	0.00000000
## 6.12	0.66666667	0.00000000	0.00000000

## 6.13	0.00000000	1.00000000	0.00000000
## 6.15	0.66666667	0.33333333	0.00000000
## 6.16	0.00000000	1.00000000	0.00000000
## 6.19	1.00000000	0.00000000	0.00000000
## 6.2	0.40000000	0.30000000	0.00000000
## 6.21	0.50000000	0.41666667	0.00000000
## 6.23	0.00000000	0.00000000	0.00000000
## 6.24	0.00000000	0.00000000	0.00000000
## 6.25	0.18181818	0.27272727	0.00000000
## 6.26	1.00000000	0.00000000	0.00000000
## 6.29	0.50000000	0.25000000	0.00000000
## 6.3	0.61111111	0.22222222	0.00000000
## 6.31	0.44444444	0.11111111	0.00000000
## 6.32	0.60000000	0.20000000	0.00000000
## 6.33	0.46666667	0.06666667	0.00000000
## 6.34	0.33333333	0.33333333	0.00000000
## 6.35	1.00000000	0.00000000	0.00000000
## 6.39	0.33333333	0.00000000	0.00000000
## 6.4	0.20000000	0.40000000	0.00000000
## 6.41	1.00000000	0.00000000	0.00000000
## 6.42	1.00000000	0.00000000	0.00000000
## 6.43	0.00000000	0.33333333	0.00000000
## 6.44	0.33333333	0.00000000	0.00000000
## 6.45	0.33333333	0.22222222	0.00000000
## 6.49	0.70000000	0.00000000	0.00000000
## 6.5	0.52272727	0.27272727	0.00000000
## 6.51	0.50000000	0.00000000	0.00000000
## 6.53	0.00000000	0.50000000	0.00000000
## 6.54	0.33333333	0.11111111	0.00000000
## 6.55	0.00000000	0.00000000	0.00000000
## 6.57	0.00000000	0.00000000	0.00000000
## 6.58	0.44444444	0.00000000	0.00000000
## 6.59	1.00000000	0.00000000	0.00000000
## 6.6	0.00000000	1.00000000	0.00000000
## 6.61	0.00000000	0.00000000	0.00000000
## 6.62	0.20000000	0.00000000	0.00000000
## 6.63	0.37500000	0.00000000	0.00000000
## 6.64	1.00000000	0.00000000	0.00000000
## 6.65	1.00000000	0.00000000	0.00000000
## 6.66	0.00000000	0.00000000	0.00000000
## 6.68	0.50000000	0.00000000	0.00000000
## 6.69	0.66666667	0.33333333	0.00000000
## 6.7	0.22222222	0.22222222	0.00000000
## 6.72	0.50000000	0.00000000	0.00000000
## 6.73	0.45833333	0.16666667	0.00000000
## 6.75	0.43478261	0.17391304	0.00000000
## 6.77	0.23809524	0.33333333	0.00000000
## 6.78	0.42857143	0.14285714	0.00000000
## 6.79	0.50000000	0.50000000	0.00000000
## 6.8	0.50000000	0.33333333	0.00000000
## 6.81	0.40000000	0.20000000	0.00000000
## 6.83	0.33333333	0.33333333	0.00000000
## 6.84	0.57142857	0.28571429	0.00000000
## 6.85	0.25000000	0.25000000	0.00000000

## 6.86	0.25000000	0.25000000	0.00000000
## 6.88	0.75000000	0.00000000	0.00000000
## 6.89	0.57142857	0.42857143	0.00000000
## 6.9	0.30000000	0.13333333	0.00000000
## 6.92	0.00000000	1.00000000	0.00000000
## 6.93	0.00000000	0.00000000	0.00000000
## 6.94	0.00000000	1.00000000	0.00000000
## 6.95	0.40000000	0.20000000	0.00000000
## 6.96	0.00000000	0.00000000	0.00000000
## 6.97	0.28571429	0.28571429	0.00000000
## 6.99	0.47368421	0.10526316	0.00000000
## 7	0.71428571	0.00000000	0.00000000
## 7.02	1.00000000	0.00000000	0.00000000
## 7.04	0.50000000	0.00000000	0.00000000
## 7.05	0.00000000	1.00000000	0.00000000
## 7.06	0.00000000	0.50000000	0.00000000
## 7.08	1.00000000	0.00000000	0.00000000
## 7.09	0.00000000	1.00000000	0.00000000
## 7.1	0.00000000	0.00000000	0.00000000
## 7.13	0.00000000	0.50000000	0.00000000
## 7.15	1.00000000	0.00000000	0.00000000
## 7.18	0.00000000	0.00000000	0.00000000
## 7.19	0.14285714	0.14285714	0.00000000
## 7.2	0.33333333	0.25000000	0.00000000
## 7.21	0.00000000	0.00000000	0.00000000
## 7.22	1.00000000	0.00000000	0.00000000
## 7.23	0.50000000	0.50000000	0.00000000
## 7.24	0.50000000	0.50000000	0.00000000
## 7.25	0.41666667	0.25000000	0.00000000
## 7.26	0.28571429	0.14285714	0.00000000
## 7.27	0.46153846	0.23076923	0.00000000
## 7.28	0.25000000	0.00000000	0.00000000
## 7.29	0.33333333	0.66666667	0.00000000
## 7.3	0.66666667	0.22222222	0.00000000
## 7.31	0.50000000	0.20000000	0.00000000
## 7.32	0.37500000	0.12500000	0.00000000
## 7.34	0.00000000	1.00000000	0.00000000
## 7.35	0.60000000	0.20000000	0.00000000
## 7.36	0.61538462	0.23076923	0.00000000
## 7.37	0.00000000	1.00000000	0.00000000
## 7.39	0.00000000	0.00000000	0.00000000
## 7.4	0.50000000	0.33333333	0.00000000
## 7.41	1.00000000	0.00000000	0.00000000
## 7.42	0.00000000	0.14285714	0.00000000
## 7.44	0.09090909	0.18181818	0.00000000
## 7.45	0.21052632	0.31578947	0.00000000
## 7.47	0.50000000	0.50000000	0.00000000
## 7.48	0.00000000	0.00000000	0.00000000
## 7.49	0.57142857	0.28571429	0.00000000
## 7.5	0.33333333	0.25000000	0.00000000
## 7.51	0.50000000	0.00000000	0.00000000
## 7.52	0.33333333	0.33333333	0.00000000
## 7.53	0.75000000	0.00000000	0.00000000
## 7.55	0.50000000	0.00000000	0.00000000

## 7.58	1.00000000	0.00000000	0.00000000
## 7.59	0.00000000	0.00000000	0.00000000
## 7.6	0.35294118	0.23529412	0.00000000
## 7.63	0.55555556	0.00000000	0.00000000
## 7.64	0.50000000	0.00000000	0.00000000
## 7.65	0.00000000	0.00000000	0.00000000
## 7.66	0.38888889	0.05555556	0.00000000
## 7.67	0.00000000	1.00000000	0.00000000
## 7.69	0.42857143	0.14285714	0.00000000
## 7.7	0.53571429	0.07142857	0.00000000
## 7.71	0.00000000	0.00000000	0.00000000
## 7.72	1.00000000	0.00000000	0.00000000
## 7.73	0.00000000	1.00000000	0.00000000
## 7.74	0.00000000	0.00000000	0.00000000
## 7.75	0.20000000	0.10000000	0.00000000
## 7.77	0.66666667	0.00000000	0.00000000
## 7.78	0.00000000	0.00000000	0.00000000
## 7.79	0.50000000	0.10000000	0.00000000
## 7.8	0.33333333	0.00000000	0.00000000
## 7.81	0.00000000	1.00000000	0.00000000
## 7.83	0.00000000	0.00000000	0.00000000
## 7.84	0.00000000	0.00000000	0.00000000
## 7.85	0.28571429	0.14285714	0.00000000
## 7.87	0.50000000	0.50000000	0.00000000
## 7.88	0.20000000	0.20000000	0.00000000
## 7.89	0.46666667	0.20000000	0.00000000
## 7.9	0.46428571	0.14285714	0.00000000
## 7.93	0.00000000	1.00000000	0.00000000
## 7.94	0.66666667	0.33333333	0.00000000
## 7.95	0.26315789	0.15789474	0.00000000
## 7.96	0.60000000	0.20000000	0.00000000
## 7.99	0.29411765	0.17647059	0.00000000
## 8	0.16666667	0.33333333	0.00000000
## 8.04	0.00000000	1.00000000	0.00000000
## 8.07	1.00000000	0.00000000	0.00000000
## 8.09	1.00000000	0.00000000	0.00000000
## 8.1	0.50000000	0.25000000	0.00000000
## 8.11	0.00000000	0.33333333	0.00000000
## 8.14	0.00000000	0.00000000	0.00000000
## 8.15	0.00000000	1.00000000	0.00000000
## 8.16	1.00000000	0.00000000	0.00000000
## 8.17	0.00000000	0.00000000	0.00000000
## 8.18	0.00000000	0.00000000	0.00000000
## 8.19	0.62500000	0.00000000	0.00000000
## 8.2	0.37500000	0.25000000	0.00000000
## 8.21	0.33333333	0.16666667	0.00000000
## 8.22	1.00000000	0.00000000	0.00000000
## 8.24	0.30000000	0.10000000	0.00000000
## 8.25	0.37500000	0.12500000	0.00000000
## 8.27	1.00000000	0.00000000	0.00000000
## 8.28	0.50000000	0.00000000	0.00000000
## 8.29	0.45454545	0.04545455	0.00000000
## 8.31	0.50000000	0.00000000	0.00000000
## 8.32	0.50000000	0.28571429	0.00000000

## 8.33	0.25000000	0.16666667	0.00000000
## 8.35	0.00000000	0.00000000	0.00000000
## 8.36	0.00000000	0.00000000	0.00000000
## 8.37	0.25000000	0.00000000	0.00000000
## 8.38	0.50000000	0.00000000	0.00000000
## 8.39	0.00000000	0.20000000	0.00000000
## 8.4	0.38095238	0.14285714	0.00000000
## 8.41	0.25000000	0.37500000	0.00000000
## 8.43	0.00000000	0.00000000	0.00000000
## 8.44	0.50000000	0.00000000	0.00000000
## 8.45	0.45454545	0.31818182	0.00000000
## 8.47	0.00000000	0.00000000	0.00000000
## 8.48	0.40000000	0.20000000	0.00000000
## 8.49	0.32000000	0.12000000	0.00000000
## 8.5	0.41304348	0.13043478	0.00000000
## 8.52	0.50000000	0.00000000	0.00000000
## 8.53	0.50000000	0.00000000	0.00000000
## 8.54	0.50000000	0.50000000	0.00000000
## 8.55	0.00000000	0.33333333	0.00000000
## 8.56	0.66666667	0.00000000	0.00000000
## 8.57	0.33333333	0.00000000	0.00000000
## 8.58	0.66666667	0.00000000	0.00000000
## 8.59	0.60000000	0.00000000	0.00000000
## 8.6	0.12500000	0.12500000	0.00000000
## 8.61	0.50000000	0.00000000	0.00000000
## 8.62	0.50000000	0.50000000	0.00000000
## 8.63	0.66666667	0.00000000	0.00000000
## 8.64	1.00000000	0.00000000	0.00000000
## 8.65	0.25000000	0.25000000	0.00000000
## 8.66	0.00000000	0.00000000	0.00000000
## 8.67	0.42857143	0.00000000	0.00000000
## 8.68	0.28000000	0.12000000	0.00000000
## 8.69	0.07142857	0.07142857	0.00000000
## 8.7	0.33333333	0.08333333	0.00000000
## 8.71	0.50000000	0.00000000	0.00000000
## 8.72	0.28888889	0.22222222	0.00000000
## 8.73	0.40000000	0.40000000	0.00000000
## 8.74	1.00000000	0.00000000	0.00000000
## 8.75	0.46153846	0.00000000	0.00000000
## 8.76	1.00000000	0.00000000	0.00000000
## 8.77	0.00000000	0.00000000	0.00000000
## 8.78	0.40000000	0.00000000	0.00000000
## 8.79	0.00000000	1.00000000	0.00000000
## 8.8	0.44444444	0.11111111	0.00000000
## 8.83	0.00000000	0.00000000	0.00000000
## 8.84	0.50000000	0.50000000	0.00000000
## 8.85	0.00000000	0.00000000	0.00000000
## 8.87	0.00000000	0.00000000	0.00000000
## 8.89	0.25000000	0.16666667	0.00000000
## 8.9	0.47058824	0.16176471	0.01470588
## 8.92	0.50000000	0.00000000	0.00000000
## 8.93	1.00000000	0.00000000	0.00000000
## 8.94	0.25000000	0.75000000	0.00000000
## 8.95	0.30000000	0.17500000	0.00000000

## 8.96	0.50000000	0.00000000	0.00000000
## 8.97	1.00000000	0.00000000	0.00000000
## 8.98	0.33333333	0.33333333	0.00000000
## 8.99	0.19047619	0.28571429	0.00000000
## 9	0.42857143	0.00000000	0.00000000
## 9.05	0.33333333	0.33333333	0.00000000
## 9.08	1.00000000	0.00000000	0.00000000
## 9.09	0.50000000	0.00000000	0.00000000
## 9.1	0.50000000	0.00000000	0.00000000
## 9.11	0.00000000	1.00000000	0.00000000
## 9.12	0.28571429	0.14285714	0.00000000
## 9.13	1.00000000	0.00000000	0.00000000
## 9.15	0.50000000	0.50000000	0.00000000
## 9.16	0.66666667	0.00000000	0.00000000
## 9.17	0.75000000	0.00000000	0.00000000
## 9.19	0.00000000	0.00000000	0.00000000
## 9.2	0.33333333	0.33333333	0.00000000
## 9.21	0.42857143	0.14285714	0.00000000
## 9.22	0.00000000	0.00000000	0.00000000
## 9.23	0.00000000	0.00000000	0.00000000
## 9.24	0.33333333	0.33333333	0.00000000
## 9.25	0.38461538	0.23076923	0.00000000
## 9.26	0.38709677	0.12903226	0.00000000
## 9.28	1.00000000	0.00000000	0.00000000
## 9.29	0.50000000	0.00000000	0.00000000
## 9.3	0.20000000	0.40000000	0.00000000
## 9.31	0.00000000	0.00000000	0.00000000
## 9.34	0.00000000	0.00000000	0.00000000
## 9.35	0.66666667	0.00000000	0.00000000
## 9.36	0.16666667	0.33333333	0.00000000
## 9.37	0.60000000	0.20000000	0.00000000
## 9.39	0.54545455	0.00000000	0.00000000
## 9.4	0.53846154	0.07692308	0.00000000
## 9.42	1.00000000	0.00000000	0.00000000
## 9.44	0.33333333	0.33333333	0.00000000
## 9.45	0.60000000	0.30000000	0.00000000
## 9.46	0.33333333	0.66666667	0.00000000
## 9.48	1.00000000	0.00000000	0.00000000
## 9.49	0.55555556	0.11111111	0.00000000
## 9.5	0.45977011	0.06896552	0.00000000
## 9.51	0.00000000	0.00000000	0.00000000
## 9.52	1.00000000	0.00000000	0.00000000
## 9.53	0.00000000	1.00000000	0.00000000
## 9.54	0.00000000	0.00000000	0.00000000
## 9.55	0.50000000	0.00000000	0.00000000
## 9.56	0.20000000	0.00000000	0.00000000
## 9.57	1.00000000	0.00000000	0.00000000
## 9.59	0.33333333	0.33333333	0.00000000
## 9.6	0.44444444	0.22222222	0.00000000
## 9.61	0.00000000	0.50000000	0.00000000
## 9.62	1.00000000	0.00000000	0.00000000
## 9.64	0.00000000	0.00000000	0.00000000
## 9.65	0.31707317	0.07317073	0.00000000
## 9.66	1.00000000	0.00000000	0.00000000

## 9.68	0.00000000	0.66666667	0.00000000
## 9.69	0.40000000	0.20000000	0.00000000
## 9.7	0.22222222	0.11111111	0.00000000
## 9.72	0.25000000	0.00000000	0.00000000
## 9.73	0.66666667	0.00000000	0.00000000
## 9.74	0.50000000	0.25000000	0.00000000
## 9.75	0.40000000	0.06666667	0.00000000
## 9.76	0.50000000	0.00000000	0.00000000
## 9.78	0.00000000	0.00000000	0.00000000
## 9.79	0.00000000	0.00000000	0.00000000
## 9.8	0.25000000	0.00000000	0.00000000
## 9.82	1.00000000	0.00000000	0.00000000
## 9.83	0.00000000	0.25000000	0.00000000
## 9.85	0.20000000	0.40000000	0.00000000
## 9.88	0.00000000	1.00000000	0.00000000
## 9.89	0.22222222	0.44444444	0.00000000
## 9.9	0.33695652	0.06521739	0.00000000
## 9.91	0.33333333	0.66666667	0.00000000
## 9.94	1.00000000	0.00000000	0.00000000
## 9.95	0.35294118	0.13725490	0.00000000
## 9.98	0.33333333	0.00000000	0.00000000
## 9.99	0.42500000	0.07500000	0.00000000
## 10	0.42857143	0.07142857	0.00000000
## 10.01	0.50000000	0.00000000	0.00000000
## 10.04	1.00000000	0.00000000	0.00000000
## 10.08	0.00000000	0.00000000	0.00000000
## 10.09	0.66666667	0.16666667	0.00000000
## 10.1	1.00000000	0.00000000	0.00000000
## 10.11	0.00000000	1.00000000	0.00000000
## 10.15	0.66666667	0.00000000	0.00000000
## 10.18	0.50000000	0.00000000	0.00000000
## 10.19	0.00000000	0.50000000	0.00000000
## 10.21	0.20000000	0.20000000	0.00000000
## 10.23	0.55555556	0.00000000	0.00000000
## 10.24	0.80000000	0.00000000	0.00000000
## 10.25	0.00000000	0.00000000	0.00000000
## 10.26	0.00000000	0.00000000	0.00000000
## 10.27	0.00000000	0.00000000	0.00000000
## 10.28	0.33333333	0.00000000	0.00000000
## 10.29	0.33333333	0.00000000	0.00000000
## 10.3	0.20000000	0.40000000	0.00000000
## 10.31	0.00000000	1.00000000	0.00000000
## 10.32	1.00000000	0.00000000	0.00000000
## 10.35	0.27272727	0.00000000	0.00000000
## 10.38	0.50000000	0.00000000	0.00000000
## 10.39	0.00000000	0.00000000	0.00000000
## 10.4	0.75000000	0.00000000	0.00000000
## 10.41	0.00000000	0.00000000	0.00000000
## 10.42	0.46153846	0.07692308	0.00000000
## 10.43	0.25000000	0.25000000	0.00000000
## 10.45	0.11111111	0.33333333	0.00000000
## 10.46	1.00000000	0.00000000	0.00000000
## 10.47	0.50000000	0.50000000	0.00000000
## 10.49	0.33333333	0.33333333	0.00000000

## 10.5	0.31914894	0.10638298	0.00000000
## 10.51	0.09090909	0.00000000	0.00000000
## 10.52	1.00000000	0.00000000	0.00000000
## 10.53	0.50000000	0.00000000	0.00000000
## 10.54	0.00000000	0.00000000	0.00000000
## 10.56	0.33333333	0.00000000	0.00000000
## 10.57	0.66666667	0.00000000	0.00000000
## 10.59	1.00000000	0.00000000	0.00000000
## 10.6	0.38461538	0.23076923	0.00000000
## 10.62	0.16666667	0.16666667	0.00000000
## 10.63	0.43750000	0.06250000	0.00000000
## 10.65	0.50000000	0.50000000	0.00000000
## 10.66	0.50000000	0.10000000	0.00000000
## 10.67	0.10000000	0.00000000	0.00000000
## 10.68	1.00000000	0.00000000	0.00000000
## 10.69	0.11111111	0.00000000	0.00000000
## 10.7	0.66666667	0.00000000	0.00000000
## 10.71	0.40000000	0.00000000	0.00000000
## 10.72	0.50000000	0.00000000	0.00000000
## 10.74	0.50000000	0.50000000	0.00000000
## 10.75	0.12500000	0.00000000	0.00000000
## 10.79	0.00000000	0.00000000	0.00000000
## 10.8	0.22222222	0.00000000	0.00000000
## 10.82	1.00000000	0.00000000	0.00000000
## 10.84	0.50000000	0.00000000	0.00000000
## 10.85	0.00000000	0.20000000	0.00000000
## 10.86	0.50000000	0.50000000	0.00000000
## 10.88	1.00000000	0.00000000	0.00000000
## 10.89	0.16666667	0.16666667	0.00000000
## 10.9	0.37704918	0.11475410	0.00000000
## 10.91	0.28571429	0.14285714	0.00000000
## 10.92	0.00000000	0.33333333	0.00000000
## 10.93	0.45454545	0.00000000	0.00000000
## 10.94	1.00000000	0.00000000	0.00000000
## 10.95	0.23076923	0.19230769	0.00000000
## 10.96	0.00000000	0.50000000	0.00000000
## 10.97	0.00000000	0.00000000	0.00000000
## 10.98	1.00000000	0.00000000	0.00000000
## 10.99	0.31578947	0.15789474	0.00000000
## 11	0.30000000	0.40000000	0.00000000
## 11.01	0.00000000	0.00000000	0.00000000
## 11.02	0.27272727	0.18181818	0.00000000
## 11.04	1.00000000	0.00000000	0.00000000
## 11.05	0.80000000	0.00000000	0.00000000
## 11.06	1.00000000	0.00000000	0.00000000
## 11.07	0.00000000	1.00000000	0.00000000
## 11.08	1.00000000	0.00000000	0.00000000
## 11.09	0.00000000	0.00000000	0.00000000
## 11.11	0.00000000	0.00000000	0.00000000
## 11.13	1.00000000	0.00000000	0.00000000
## 11.15	0.66666667	0.33333333	0.00000000
## 11.16	0.50000000	0.50000000	0.00000000
## 11.17	0.50000000	0.00000000	0.00000000
## 11.18	0.00000000	0.00000000	0.00000000

## 11.19	0.10000000	0.00000000	0.00000000
## 11.2	0.00000000	0.33333333	0.00000000
## 11.21	0.29411765	0.05882353	0.00000000
## 11.23	0.00000000	0.00000000	0.00000000
## 11.25	0.85714286	0.14285714	0.00000000
## 11.26	0.00000000	0.00000000	0.00000000
## 11.27	0.00000000	0.00000000	0.00000000
## 11.3	0.00000000	0.50000000	0.00000000
## 11.31	0.00000000	0.00000000	0.00000000
## 11.35	0.50000000	0.00000000	0.00000000
## 11.36	0.25000000	0.00000000	0.00000000
## 11.37	0.00000000	0.00000000	0.00000000
## 11.4	0.16666667	0.08333333	0.00000000
## 11.43	0.00000000	0.00000000	0.00000000
## 11.44	0.00000000	0.00000000	0.00000000
## 11.45	0.31250000	0.18750000	0.00000000
## 11.46	0.50000000	0.50000000	0.00000000
## 11.47	0.20000000	0.00000000	0.00000000
## 11.48	0.28571429	0.28571429	0.00000000
## 11.49	0.42857143	0.00000000	0.00000000
## 11.5	0.33333333	0.07407407	0.00000000
## 11.51	0.16666667	0.00000000	0.00000000
## 11.54	0.33333333	0.33333333	0.00000000
## 11.55	0.00000000	0.00000000	0.00000000
## 11.56	1.00000000	0.00000000	0.00000000
## 11.59	0.00000000	0.00000000	0.00000000
## 11.6	0.36363636	0.12121212	0.00000000
## 11.61	0.50000000	0.00000000	0.00000000
## 11.62	0.00000000	0.00000000	0.00000000
## 11.63	0.00000000	0.00000000	0.00000000
## 11.64	1.00000000	0.00000000	0.00000000
## 11.65	0.06250000	0.12500000	0.00000000
## 11.67	1.00000000	0.00000000	0.00000000
## 11.69	0.20000000	0.00000000	0.00000000
## 11.7	0.27272727	0.09090909	0.00000000
## 11.74	0.00000000	0.00000000	0.00000000
## 11.75	0.00000000	0.00000000	0.00000000
## 11.76	0.00000000	0.00000000	0.00000000
## 11.8	0.25000000	0.25000000	0.00000000
## 11.82	0.66666667	0.00000000	0.00000000
## 11.85	0.00000000	0.00000000	0.00000000
## 11.86	0.00000000	0.00000000	0.00000000
## 11.89	0.33333333	0.00000000	0.00000000
## 11.9	0.23214286	0.16071429	0.00000000
## 11.92	0.57142857	0.00000000	0.00000000
## 11.94	0.00000000	0.50000000	0.00000000
## 11.95	0.18918919	0.05405405	0.00000000
## 11.98	0.66666667	0.00000000	0.00000000
## 11.99	0.13333333	0.20000000	0.00000000
## 12	0.38888889	0.05555556	0.00000000
## 12.03	0.16666667	0.16666667	0.00000000
## 12.05	1.00000000	0.00000000	0.00000000
## 12.06	1.00000000	0.00000000	0.00000000
## 12.08	0.00000000	0.00000000	0.00000000

## 12.09	0.00000000	0.00000000	0.00000000
## 12.1	0.37500000	0.00000000	0.00000000
## 12.11	0.66666667	0.33333333	0.00000000
## 12.12	0.00000000	0.33333333	0.00000000
## 12.13	0.33333333	0.00000000	0.00000000
## 12.14	0.15384615	0.00000000	0.00000000
## 12.18	0.41666667	0.00000000	0.00000000
## 12.19	0.25000000	0.06250000	0.00000000
## 12.2	0.62500000	0.00000000	0.00000000
## 12.21	0.00000000	0.00000000	0.00000000
## 12.23	0.00000000	0.00000000	0.00000000
## 12.25	0.16666667	0.08333333	0.00000000
## 12.28	0.00000000	0.00000000	0.00000000
## 12.3	0.33333333	0.00000000	0.00000000
## 12.31	1.00000000	0.00000000	0.00000000
## 12.32	0.33333333	0.33333333	0.00000000
## 12.33	0.50000000	0.00000000	0.00000000
## 12.37	0.00000000	0.00000000	0.00000000
## 12.38	1.00000000	0.00000000	0.00000000
## 12.39	1.00000000	0.00000000	0.00000000
## 12.4	0.66666667	0.00000000	0.00000000
## 12.41	0.40000000	0.20000000	0.00000000
## 12.42	0.50000000	0.00000000	0.00000000
## 12.43	0.00000000	0.00000000	0.00000000
## 12.45	0.37500000	0.00000000	0.00000000
## 12.46	0.00000000	0.00000000	0.00000000
## 12.48	0.15384615	0.00000000	0.00000000
## 12.49	0.22222222	0.07407407	0.00000000
## 12.5	0.31707317	0.07317073	0.00000000
## 12.51	0.33333333	0.00000000	0.00000000
## 12.52	0.00000000	0.00000000	0.00000000
## 12.53	0.25000000	0.25000000	0.00000000
## 12.55	0.25000000	0.00000000	0.00000000
## 12.56	0.00000000	0.00000000	0.00000000
## 12.57	0.41176471	0.05882353	0.00000000
## 12.58	0.00000000	0.00000000	0.00000000
## 12.59	0.00000000	0.00000000	0.00000000
## 12.6	0.27777778	0.11111111	0.00000000
## 12.62	0.06666667	0.00000000	0.00000000
## 12.63	0.00000000	0.00000000	0.00000000
## 12.65	0.00000000	0.00000000	0.00000000
## 12.66	0.00000000	0.00000000	0.00000000
## 12.67	0.50000000	0.00000000	0.00000000
## 12.69	0.75000000	0.00000000	0.00000000
## 12.7	0.10000000	0.00000000	0.00000000
## 12.75	0.00000000	0.00000000	0.00000000
## 12.77	0.00000000	0.00000000	0.00000000
## 12.78	0.00000000	0.00000000	0.00000000
## 12.79	0.20000000	0.00000000	0.00000000
## 12.8	0.33333333	0.00000000	0.00000000
## 12.81	0.33333333	0.16666667	0.00000000
## 12.83	1.00000000	0.00000000	0.00000000
## 12.85	0.50000000	0.25000000	0.00000000
## 12.86	0.00000000	0.00000000	0.00000000

## 12.87	0.50000000	0.00000000	0.00000000
## 12.89	0.00000000	0.50000000	0.00000000
## 12.9	0.32692308	0.17307692	0.00000000
## 12.92	0.00000000	0.00000000	0.00000000
## 12.94	0.00000000	0.00000000	0.00000000
## 12.95	0.24000000	0.20000000	0.00000000
## 12.96	1.00000000	0.00000000	0.00000000
## 12.98	0.00000000	0.00000000	0.00000000
## 12.99	0.23809524	0.09523810	0.00000000
## 13	0.50000000	0.16666667	0.00000000
## 13.01	0.33333333	0.00000000	0.00000000
## 13.02	0.00000000	0.00000000	0.00000000
## 13.04	0.25000000	0.00000000	0.00000000
## 13.06	1.00000000	0.00000000	0.00000000
## 13.09	0.00000000	0.00000000	0.00000000
## 13.1	0.00000000	0.00000000	0.00000000
## 13.14	1.00000000	0.00000000	0.00000000
## 13.15	0.26315789	0.05263158	0.00000000
## 13.16	0.36363636	0.09090909	0.00000000
## 13.19	0.00000000	0.00000000	0.00000000
## 13.2	0.00000000	0.00000000	0.00000000
## 13.21	0.50000000	0.00000000	0.00000000
## 13.24	0.00000000	0.00000000	0.00000000
## 13.25	0.00000000	0.33333333	0.00000000
## 13.26	0.11111111	0.11111111	0.00000000
## 13.27	1.00000000	0.00000000	0.00000000
## 13.29	1.00000000	0.00000000	0.00000000
## 13.3	0.40000000	0.00000000	0.00000000
## 13.33	1.00000000	0.00000000	0.00000000
## 13.34	0.00000000	0.00000000	0.00000000
## 13.35	1.00000000	0.00000000	0.00000000
## 13.36	0.00000000	0.00000000	0.00000000
## 13.37	0.20000000	0.20000000	0.00000000
## 13.38	0.00000000	0.00000000	0.00000000
## 13.39	0.50000000	0.00000000	0.00000000
## 13.4	0.42857143	0.00000000	0.00000000
## 13.41	0.00000000	1.00000000	0.00000000
## 13.42	0.00000000	0.00000000	0.00000000
## 13.43	0.00000000	0.00000000	0.00000000
## 13.44	0.33333333	0.00000000	0.00000000
## 13.45	0.14285714	0.00000000	0.00000000
## 13.47	0.66666667	0.00000000	0.00000000
## 13.48	0.42857143	0.14285714	0.00000000
## 13.49	0.16666667	0.16666667	0.00000000
## 13.5	0.14634146	0.12195122	0.00000000
## 13.52	0.00000000	0.00000000	0.00000000
## 13.53	0.25000000	0.00000000	0.00000000
## 13.54	0.00000000	0.33333333	0.00000000
## 13.55	0.26086957	0.04347826	0.00000000
## 13.57	0.20000000	0.10000000	0.00000000
## 13.58	0.66666667	0.00000000	0.00000000
## 13.6	0.14285714	0.00000000	0.00000000
## 13.61	0.00000000	1.00000000	0.00000000
## 13.64	0.00000000	0.00000000	0.00000000

## 13.65	0.00000000	0.00000000	0.00000000
## 13.68	0.00000000	0.00000000	0.00000000
## 13.69	0.10000000	0.10000000	0.00000000
## 13.7	0.33333333	0.00000000	0.00000000
## 13.71	0.40000000	0.20000000	0.00000000
## 13.75	0.33333333	0.33333333	0.00000000
## 13.76	0.50000000	0.00000000	0.00000000
## 13.78	1.00000000	0.00000000	0.00000000
## 13.79	0.16666667	0.16666667	0.00000000
## 13.8	0.50000000	0.10000000	0.00000000
## 13.82	0.00000000	0.00000000	0.00000000
## 13.83	1.00000000	0.00000000	0.00000000
## 13.84	0.00000000	0.00000000	0.00000000
## 13.85	0.00000000	0.50000000	0.00000000
## 13.89	0.75000000	0.00000000	0.00000000
## 13.9	0.16279070	0.04651163	0.00000000
## 13.91	0.50000000	0.00000000	0.00000000
## 13.93	0.00000000	0.00000000	0.00000000
## 13.95	0.11764706	0.02941176	0.00000000
## 13.97	1.00000000	0.00000000	0.00000000
## 13.98	0.00000000	0.00000000	0.00000000
## 13.99	0.10526316	0.05263158	0.00000000
## 14	0.00000000	0.00000000	0.00000000
## 14.03	0.00000000	0.00000000	0.00000000
## 14.04	0.00000000	0.00000000	0.00000000
## 14.06	0.00000000	0.00000000	0.00000000
## 14.08	0.00000000	0.00000000	0.00000000
## 14.09	0.00000000	0.00000000	0.00000000
## 14.1	0.00000000	0.00000000	0.00000000
## 14.11	1.00000000	0.00000000	0.00000000
## 14.13	0.29411765	0.00000000	0.00000000
## 14.14	0.00000000	0.00000000	0.00000000
## 14.16	0.00000000	0.00000000	0.00000000
## 14.18	0.00000000	0.00000000	0.00000000
## 14.19	0.25000000	0.00000000	0.00000000
## 14.2	0.00000000	0.00000000	0.00000000
## 14.21	0.33333333	0.00000000	0.00000000
## 14.23	0.00000000	0.00000000	0.00000000
## 14.25	1.00000000	0.00000000	0.00000000
## 14.26	0.00000000	0.00000000	0.00000000
## 14.27	0.00000000	0.00000000	0.00000000
## 14.29	0.00000000	0.00000000	0.00000000
## 14.31	0.00000000	0.00000000	0.00000000
## 14.32	0.00000000	0.00000000	0.00000000
## 14.35	0.50000000	0.00000000	0.00000000
## 14.36	0.25000000	0.00000000	0.00000000
## 14.38	0.40000000	0.00000000	0.00000000
## 14.4	0.20000000	0.20000000	0.00000000
## 14.42	1.00000000	0.00000000	0.00000000
## 14.43	0.40000000	0.00000000	0.00000000
## 14.44	1.00000000	0.00000000	0.00000000
## 14.45	0.33333333	0.16666667	0.00000000
## 14.47	0.00000000	0.00000000	0.00000000
## 14.49	0.14285714	0.00000000	0.00000000

## 14.5	0.21428571	0.04761905	0.00000000
## 14.51	1.00000000	0.00000000	0.00000000
## 14.52	0.23809524	0.04761905	0.00000000
## 14.53	0.20000000	0.00000000	0.00000000
## 14.54	0.71428571	0.14285714	0.00000000
## 14.55	1.00000000	0.00000000	0.00000000
## 14.57	0.13636364	0.00000000	0.00000000
## 14.59	0.00000000	0.00000000	0.00000000
## 14.6	0.66666667	0.00000000	0.00000000
## 14.61	0.00000000	0.00000000	0.00000000
## 14.62	0.00000000	0.00000000	0.00000000
## 14.63	0.16666667	0.00000000	0.00000000
## 14.65	0.33333333	0.00000000	0.00000000
## 14.7	0.12500000	0.12500000	0.00000000
## 14.72	0.40000000	0.00000000	0.00000000
## 14.73	0.12500000	0.37500000	0.00000000
## 14.75	0.40000000	0.00000000	0.00000000
## 14.79	1.00000000	0.00000000	0.00000000
## 14.8	0.16666667	0.00000000	0.00000000
## 14.82	0.00000000	0.00000000	0.00000000
## 14.83	0.33333333	0.00000000	0.00000000
## 14.84	0.00000000	0.00000000	0.00000000
## 14.85	0.00000000	0.33333333	0.00000000
## 14.87	0.00000000	0.00000000	0.00000000
## 14.89	0.50000000	0.12500000	0.00000000
## 14.9	0.20338983	0.08474576	0.00000000
## 14.92	1.00000000	0.00000000	0.00000000
## 14.94	0.00000000	0.00000000	0.00000000
## 14.95	0.10714286	0.00000000	0.00000000
## 14.99	0.22222222	0.22222222	0.00000000
## 15	0.36363636	0.18181818	0.00000000
## 15.01	0.66666667	0.00000000	0.00000000
## 15.03	0.00000000	0.00000000	0.00000000
## 15.04	0.50000000	0.00000000	0.00000000
## 15.05	0.25000000	0.00000000	0.00000000
## 15.08	0.00000000	0.00000000	0.00000000
## 15.1	0.20000000	0.00000000	0.00000000
## 15.11	0.33333333	0.00000000	0.00000000
## 15.13	0.00000000	0.00000000	0.00000000
## 15.15	0.00000000	0.00000000	0.00000000
## 15.16	0.40000000	0.00000000	0.00000000
## 15.18	1.00000000	0.00000000	0.00000000
## 15.19	0.00000000	0.00000000	0.00000000
## 15.2	0.20000000	0.20000000	0.00000000
## 15.23	0.50000000	0.00000000	0.00000000
## 15.25	0.50000000	0.00000000	0.00000000
## 15.26	0.00000000	0.00000000	0.00000000
## 15.27	0.00000000	0.00000000	0.00000000
## 15.28	0.00000000	0.00000000	0.00000000
## 15.3	0.20000000	0.00000000	0.00000000
## 15.33	0.00000000	0.00000000	0.00000000
## 15.37	1.00000000	0.00000000	0.00000000
## 15.38	0.00000000	0.00000000	0.00000000
## 15.39	0.00000000	0.00000000	0.00000000

## 15.4	0.30000000	0.00000000	0.00000000
## 15.42	0.00000000	0.20000000	0.00000000
## 15.45	0.00000000	0.00000000	0.00000000
## 15.47	0.50000000	0.00000000	0.00000000
## 15.48	0.00000000	0.00000000	0.00000000
## 15.49	0.60000000	0.00000000	0.00000000
## 15.5	0.17647059	0.01960784	0.00000000
## 15.51	0.00000000	0.00000000	0.00000000
## 15.54	0.00000000	0.00000000	0.00000000
## 15.55	0.00000000	0.00000000	0.00000000
## 15.59	0.33333333	0.00000000	0.00000000
## 15.6	0.14285714	0.00000000	0.00000000
## 15.61	0.00000000	0.00000000	0.00000000
## 15.65	0.50000000	0.00000000	0.00000000
## 15.67	0.00000000	0.00000000	0.00000000
## 15.68	0.00000000	0.00000000	0.00000000
## 15.69	0.07142857	0.07142857	0.00000000
## 15.7	0.16666667	0.16666667	0.00000000
## 15.75	0.00000000	0.00000000	0.00000000
## 15.76	0.00000000	0.00000000	0.00000000
## 15.77	0.00000000	0.00000000	0.00000000
## 15.78	0.00000000	0.00000000	0.00000000
## 15.79	0.16666667	0.00000000	0.00000000
## 15.8	0.50000000	0.50000000	0.00000000
## 15.84	0.20000000	0.00000000	0.00000000
## 15.85	0.00000000	0.00000000	0.00000000
## 15.88	0.00000000	1.00000000	0.00000000
## 15.89	0.25000000	0.00000000	0.00000000
## 15.9	0.16071429	0.05357143	0.00000000
## 15.94	0.00000000	0.00000000	0.00000000
## 15.95	0.22222222	0.00000000	0.00000000
## 15.98	0.25000000	0.00000000	0.00000000
## 15.99	0.41666667	0.08333333	0.00000000
## 16	0.16666667	0.00000000	0.00000000
## 16.02	1.00000000	0.00000000	0.00000000
## 16.07	0.50000000	0.00000000	0.00000000
## 16.08	0.16666667	0.00000000	0.00000000
## 16.09	0.30000000	0.00000000	0.00000000
## 16.11	0.00000000	0.50000000	0.00000000
## 16.17	0.00000000	0.00000000	0.00000000
## 16.2	1.00000000	0.00000000	0.00000000
## 16.21	0.50000000	0.00000000	0.00000000
## 16.23	0.00000000	0.00000000	0.00000000
## 16.25	0.00000000	0.00000000	0.00000000
## 16.27	0.00000000	0.00000000	0.00000000
## 16.29	0.00000000	0.00000000	0.00000000
## 16.31	1.00000000	0.00000000	0.00000000
## 16.32	0.33333333	0.00000000	0.00000000
## 16.33	0.00000000	0.00000000	0.00000000
## 16.34	1.00000000	0.00000000	0.00000000
## 16.36	0.00000000	0.00000000	0.00000000
## 16.38	0.00000000	0.00000000	0.00000000
## 16.39	0.20000000	0.00000000	0.00000000
## 16.4	0.66666667	0.00000000	0.00000000

## 16.44	0.33333333	0.00000000	0.00000000
## 16.45	0.00000000	0.00000000	0.00000000
## 16.46	1.00000000	0.00000000	0.00000000
## 16.47	0.26086957	0.08695652	0.00000000
## 16.48	0.33333333	0.00000000	0.00000000
## 16.5	0.17647059	0.00000000	0.00000000
## 16.51	0.00000000	0.00000000	0.00000000
## 16.52	0.07692308	0.00000000	0.00000000
## 16.53	0.00000000	0.00000000	0.00000000
## 16.55	0.50000000	0.50000000	0.00000000
## 16.56	0.00000000	0.00000000	0.00000000
## 16.57	0.50000000	0.00000000	0.00000000
## 16.58	0.66666667	0.00000000	0.00000000
## 16.59	0.16666667	0.00000000	0.00000000
## 16.6	0.25000000	0.00000000	0.00000000
## 16.62	0.00000000	0.00000000	0.00000000
## 16.64	0.00000000	0.00000000	0.00000000
## 16.66	0.00000000	0.00000000	0.00000000
## 16.68	0.00000000	0.00000000	0.00000000
## 16.69	0.00000000	0.00000000	0.00000000
## 16.7	0.50000000	0.00000000	0.00000000
## 16.72	0.00000000	0.00000000	0.00000000
## 16.73	0.50000000	0.00000000	0.00000000
## 16.74	0.25000000	0.00000000	0.00000000
## 16.75	0.20000000	0.00000000	0.00000000
## 16.76	0.00000000	0.00000000	0.00000000
## 16.77	0.25000000	0.00000000	0.00000000
## 16.79	0.33333333	0.33333333	0.00000000
## 16.83	0.33333333	0.00000000	0.00000000
## 16.85	0.25000000	0.25000000	0.00000000
## 16.87	0.00000000	0.00000000	0.00000000
## 16.88	0.00000000	0.00000000	0.00000000
## 16.9	0.14545455	0.03636364	0.00000000
## 16.92	1.00000000	0.00000000	0.00000000
## 16.93	0.00000000	0.00000000	0.00000000
## 16.94	0.00000000	0.00000000	0.00000000
## 16.95	0.12903226	0.00000000	0.00000000
## 16.96	0.00000000	0.00000000	0.00000000
## 16.97	0.00000000	0.00000000	0.00000000
## 16.98	0.00000000	0.00000000	0.00000000
## 16.99	0.28571429	0.00000000	0.00000000
## 17	0.12500000	0.00000000	0.00000000
## 17.01	0.00000000	0.00000000	0.00000000
## 17.06	0.06666667	0.00000000	0.00000000
## 17.07	0.50000000	0.00000000	0.00000000
## 17.09	0.33333333	0.00000000	0.00000000
## 17.1	1.00000000	0.00000000	0.00000000
## 17.13	0.00000000	0.00000000	0.00000000
## 17.16	0.00000000	0.00000000	0.00000000
## 17.18	0.00000000	0.00000000	0.00000000
## 17.2	0.50000000	0.00000000	0.00000000
## 17.21	0.00000000	0.00000000	0.00000000
## 17.23	0.50000000	0.00000000	0.00000000
## 17.24	0.00000000	0.00000000	0.00000000

## 17.25	0.00000000	0.00000000	0.00000000
## 17.29	0.00000000	0.00000000	0.00000000
## 17.3	0.00000000	0.00000000	0.00000000
## 17.35	0.16666667	0.16666667	0.00000000
## 17.36	0.16666667	0.00000000	0.00000000
## 17.38	0.00000000	0.00000000	0.00000000
## 17.4	0.40000000	0.00000000	0.00000000
## 17.41	1.00000000	0.00000000	0.00000000
## 17.42	0.00000000	0.00000000	0.00000000
## 17.44	0.33333333	0.00000000	0.00000000
## 17.45	0.17391304	0.04347826	0.00000000
## 17.5	0.26470588	0.02941176	0.00000000
## 17.52	0.00000000	0.00000000	0.00000000
## 17.54	0.00000000	0.00000000	0.00000000
## 17.55	0.00000000	0.00000000	0.00000000
## 17.57	0.00000000	0.00000000	0.00000000
## 17.59	0.00000000	0.00000000	0.00000000
## 17.6	0.00000000	0.00000000	0.00000000
## 17.61	0.00000000	0.00000000	0.00000000
## 17.63	0.00000000	0.00000000	0.00000000
## 17.69	0.33333333	0.00000000	0.00000000
## 17.7	0.33333333	0.00000000	0.00000000
## 17.74	0.16666667	0.00000000	0.00000000
## 17.75	0.00000000	0.00000000	0.00000000
## 17.76	0.00000000	0.00000000	0.00000000
## 17.78	0.00000000	0.00000000	0.00000000
## 17.79	0.07142857	0.00000000	0.00000000
## 17.8	0.00000000	0.00000000	0.00000000
## 17.81	0.00000000	0.00000000	0.00000000
## 17.84	0.50000000	0.00000000	0.00000000
## 17.85	0.00000000	0.33333333	0.00000000
## 17.89	0.00000000	0.00000000	0.00000000
## 17.9	0.13513514	0.00000000	0.00000000
## 17.91	0.00000000	0.00000000	0.00000000
## 17.95	0.09523810	0.00000000	0.00000000
## 17.99	0.30000000	0.20000000	0.00000000
## 18	0.20000000	0.00000000	0.00000000
## 18.03	0.12500000	0.00000000	0.00000000
## 18.04	1.00000000	0.00000000	0.00000000
## 18.06	0.50000000	0.50000000	0.00000000
## 18.08	0.33333333	0.00000000	0.00000000
## 18.15	0.00000000	0.00000000	0.00000000
## 18.19	0.66666667	0.00000000	0.00000000
## 18.2	0.00000000	0.00000000	0.00000000
## 18.21	0.00000000	0.00000000	0.00000000
## 18.23	0.00000000	0.00000000	0.00000000
## 18.24	0.00000000	0.00000000	0.00000000
## 18.25	0.00000000	0.00000000	0.00000000
## 18.27	0.00000000	0.00000000	0.00000000
## 18.29	1.00000000	0.00000000	0.00000000
## 18.3	0.00000000	0.33333333	0.00000000
## 18.31	1.00000000	0.00000000	0.00000000
## 18.32	0.00000000	0.00000000	0.00000000
## 18.33	1.00000000	0.00000000	0.00000000

## 18.34	0.00000000	0.00000000	0.00000000
## 18.35	1.00000000	0.00000000	0.00000000
## 18.38	0.00000000	0.00000000	0.00000000
## 18.39	0.00000000	0.00000000	0.00000000
## 18.4	0.33333333	0.00000000	0.00000000
## 18.41	0.00000000	0.00000000	0.00000000
## 18.42	0.12000000	0.00000000	0.00000000
## 18.43	0.00000000	0.00000000	0.00000000
## 18.45	0.00000000	0.00000000	0.00000000
## 18.47	0.00000000	0.00000000	0.00000000
## 18.49	0.00000000	0.00000000	0.00000000
## 18.5	0.00000000	0.03571429	0.00000000
## 18.51	0.00000000	0.00000000	0.00000000
## 18.52	0.20000000	0.00000000	0.00000000
## 18.53	0.00000000	0.00000000	0.00000000
## 18.6	0.50000000	0.00000000	0.00000000
## 18.64	0.00000000	1.00000000	0.00000000
## 18.7	0.33333333	0.00000000	0.00000000
## 18.72	1.00000000	0.00000000	0.00000000
## 18.73	0.00000000	0.00000000	0.00000000
## 18.75	0.00000000	0.00000000	0.00000000
## 18.79	0.00000000	0.14285714	0.00000000
## 18.8	0.25000000	0.00000000	0.00000000
## 18.81	0.00000000	0.00000000	0.00000000
## 18.83	0.00000000	0.00000000	0.00000000
## 18.84	0.30000000	0.00000000	0.00000000
## 18.85	0.00000000	0.50000000	0.00000000
## 18.86	0.00000000	0.00000000	0.00000000
## 18.89	0.00000000	0.00000000	0.00000000
## 18.9	0.22448980	0.10204082	0.00000000
## 18.92	0.00000000	0.00000000	0.00000000
## 18.93	0.00000000	0.00000000	0.00000000
## 18.94	0.25000000	0.00000000	0.00000000
## 18.95	0.10526316	0.00000000	0.00000000
## 18.97	0.25000000	0.00000000	0.00000000
## 18.98	0.00000000	0.00000000	0.00000000
## 18.99	0.12500000	0.00000000	0.00000000
## 19	0.00000000	0.00000000	0.00000000
## 19.01	0.22222222	0.00000000	0.00000000
## 19.02	1.00000000	0.00000000	0.00000000
## 19.05	0.00000000	0.00000000	0.00000000
## 19.07	0.00000000	0.00000000	0.00000000
## 19.11	0.00000000	0.00000000	0.00000000
## 19.2	0.25000000	0.00000000	0.00000000
## 19.24	0.00000000	0.00000000	0.00000000
## 19.25	1.00000000	0.00000000	0.00000000
## 19.26	0.00000000	0.00000000	0.00000000
## 19.29	0.66666667	0.00000000	0.00000000
## 19.3	0.20000000	0.00000000	0.00000000
## 19.31	0.00000000	0.00000000	0.00000000
## 19.35	0.20000000	0.00000000	0.00000000
## 19.37	0.00000000	0.50000000	0.00000000
## 19.39	0.14285714	0.00000000	0.00000000
## 19.4	0.03448276	0.00000000	0.00000000

## 19.42	0.00000000	0.00000000	0.00000000
## 19.43	0.00000000	0.00000000	0.00000000
## 19.44	1.00000000	0.00000000	0.00000000
## 19.45	0.09090909	0.04545455	0.00000000
## 19.47	0.00000000	0.00000000	0.00000000
## 19.48	1.00000000	0.00000000	0.00000000
## 19.49	0.00000000	0.00000000	0.00000000
## 19.5	0.16000000	0.00000000	0.00000000
## 19.53	0.50000000	0.00000000	0.00000000
## 19.58	0.00000000	0.00000000	0.00000000
## 19.6	0.00000000	0.00000000	0.00000000
## 19.65	0.33333333	0.00000000	0.00000000
## 19.69	1.00000000	0.00000000	0.00000000
## 19.7	0.00000000	0.00000000	0.00000000
## 19.72	0.00000000	0.00000000	0.00000000
## 19.75	0.00000000	0.00000000	0.00000000
## 19.77	0.00000000	0.00000000	0.00000000
## 19.79	0.50000000	0.00000000	0.00000000
## 19.8	0.20000000	0.00000000	0.00000000
## 19.82	0.00000000	0.00000000	0.00000000
## 19.85	0.00000000	0.00000000	0.00000000
## 19.86	0.00000000	0.00000000	0.00000000
## 19.87	0.00000000	0.00000000	0.00000000
## 19.88	1.00000000	0.00000000	0.00000000
## 19.89	0.00000000	0.00000000	0.00000000
## 19.9	0.10909091	0.03636364	0.00000000
## 19.91	0.50000000	0.00000000	0.00000000
## 19.95	0.15151515	0.03030303	0.00000000
## 19.98	0.00000000	0.00000000	0.00000000
## 19.99	0.14285714	0.00000000	0.00000000
## 20	0.00000000	0.00000000	0.00000000
## 20.09	0.00000000	0.00000000	0.00000000
## 20.15	0.00000000	0.00000000	0.00000000
## 20.19	0.00000000	0.00000000	0.00000000
## 20.2	0.00000000	0.00000000	0.00000000
## 20.25	0.00000000	0.00000000	0.00000000
## 20.27	0.00000000	0.00000000	0.00000000
## 20.28	0.25000000	0.00000000	0.00000000
## 20.29	0.00000000	0.00000000	0.00000000
## 20.32	0.00000000	0.00000000	0.00000000
## 20.36	0.33333333	0.00000000	0.00000000
## 20.37	0.20000000	0.00000000	0.00000000
## 20.4	0.00000000	0.00000000	0.00000000
## 20.42	0.00000000	0.00000000	0.00000000
## 20.43	0.00000000	0.00000000	0.00000000
## 20.47	0.00000000	0.00000000	0.00000000
## 20.5	0.10000000	0.00000000	0.00000000
## 20.53	0.00000000	0.00000000	0.00000000
## 20.54	0.25000000	0.00000000	0.00000000
## 20.65	0.00000000	0.00000000	0.00000000
## 20.67	0.25000000	0.00000000	0.00000000
## 20.74	0.00000000	0.00000000	0.00000000
## 20.75	0.00000000	0.00000000	0.00000000
## 20.76	0.00000000	0.00000000	0.00000000

## 20.81	0.00000000	0.00000000	0.00000000
## 20.84	1.00000000	0.00000000	0.00000000
## 20.85	0.00000000	1.00000000	0.00000000
## 20.86	0.00000000	0.00000000	0.00000000
## 20.88	0.50000000	0.00000000	0.00000000
## 20.89	0.00000000	0.00000000	0.00000000
## 20.9	0.26315789	0.05263158	0.00000000
## 20.93	0.00000000	0.00000000	0.00000000
## 20.95	0.00000000	0.00000000	0.00000000
## 20.96	0.33333333	0.00000000	0.00000000
## 20.97	0.00000000	0.00000000	0.00000000
## 20.99	0.20000000	0.00000000	0.00000000
## 21	0.00000000	0.00000000	0.00000000
## 21.05	0.00000000	0.00000000	0.00000000
## 21.1	0.25000000	0.00000000	0.00000000
## 21.15	0.00000000	0.00000000	0.00000000
## 21.16	0.00000000	0.00000000	0.00000000
## 21.18	1.00000000	0.00000000	0.00000000
## 21.19	0.00000000	0.00000000	0.00000000
## 21.2	1.00000000	0.00000000	0.00000000
## 21.21	0.50000000	0.00000000	0.00000000
## 21.24	0.33333333	0.00000000	0.00000000
## 21.25	0.00000000	0.00000000	0.00000000
## 21.29	0.00000000	0.50000000	0.00000000
## 21.33	0.00000000	0.00000000	0.00000000
## 21.34	0.25000000	0.00000000	0.00000000
## 21.35	0.00000000	1.00000000	0.00000000
## 21.39	0.00000000	0.00000000	0.00000000
## 21.4	0.00000000	0.00000000	0.00000000
## 21.44	0.00000000	0.00000000	0.00000000
## 21.45	0.11764706	0.00000000	0.00000000
## 21.5	0.07692308	0.00000000	0.00000000
## 21.51	0.00000000	0.00000000	0.00000000
## 21.55	0.00000000	0.00000000	0.00000000
## 21.57	0.00000000	0.00000000	0.00000000
## 21.58	0.00000000	0.00000000	0.00000000
## 21.6	0.00000000	0.00000000	0.00000000
## 21.63	0.00000000	0.00000000	0.00000000
## 21.65	0.00000000	0.00000000	0.00000000
## 21.66	0.00000000	0.00000000	0.00000000
## 21.74	0.00000000	0.00000000	0.00000000
## 21.8	0.00000000	0.00000000	0.00000000
## 21.82	0.00000000	0.33333333	0.00000000
## 21.83	0.00000000	0.00000000	0.00000000
## 21.85	1.00000000	0.00000000	0.00000000
## 21.87	1.00000000	0.00000000	0.00000000
## 21.88	0.00000000	0.00000000	0.00000000
## 21.89	0.33333333	0.00000000	0.00000000
## 21.9	0.12000000	0.04000000	0.00000000
## 21.91	0.00000000	0.00000000	0.00000000
## 21.93	0.00000000	0.00000000	0.00000000
## 21.94	0.00000000	0.00000000	0.00000000
## 21.95	0.16666667	0.00000000	0.00000000
## 21.99	0.33333333	0.00000000	0.00000000

## 22	0.00000000	0.00000000	0.00000000
## 22.09	0.00000000	0.00000000	0.00000000
## 22.1	0.00000000	0.00000000	0.00000000
## 22.13	0.00000000	0.00000000	0.00000000
## 22.2	0.00000000	0.00000000	0.00000000
## 22.21	0.00000000	0.00000000	0.00000000
## 22.22	0.33333333	0.00000000	0.00000000
## 22.23	0.33333333	0.00000000	0.00000000
## 22.3	0.00000000	0.00000000	0.00000000
## 22.32	0.12500000	0.00000000	0.00000000
## 22.33	0.00000000	0.00000000	0.00000000
## 22.35	1.00000000	0.00000000	0.00000000
## 22.36	1.00000000	0.00000000	0.00000000
## 22.37	0.00000000	0.00000000	0.00000000
## 22.38	0.00000000	0.00000000	0.00000000
## 22.39	0.00000000	0.00000000	0.00000000
## 22.42	0.66666667	0.00000000	0.00000000
## 22.45	0.00000000	0.00000000	0.00000000
## 22.47	0.00000000	0.00000000	0.00000000
## 22.49	0.00000000	0.00000000	0.00000000
## 22.5	0.18750000	0.00000000	0.00000000
## 22.59	0.00000000	0.00000000	0.00000000
## 22.62	0.50000000	0.00000000	0.00000000
## 22.63	0.00000000	0.00000000	0.00000000
## 22.65	0.00000000	0.00000000	0.00000000
## 22.67	0.00000000	0.00000000	0.00000000
## 22.69	0.00000000	0.00000000	0.00000000
## 22.7	0.25000000	0.00000000	0.00000000
## 22.71	0.00000000	0.00000000	0.00000000
## 22.75	0.00000000	0.00000000	0.00000000
## 22.78	0.00000000	0.00000000	0.00000000
## 22.79	0.50000000	0.00000000	0.00000000
## 22.8	0.00000000	0.00000000	0.00000000
## 22.85	0.00000000	0.00000000	0.00000000
## 22.89	0.00000000	0.00000000	0.00000000
## 22.9	0.15000000	0.00000000	0.00000000
## 22.91	0.40000000	0.00000000	0.00000000
## 22.94	0.00000000	0.00000000	0.00000000
## 22.95	0.00000000	0.00000000	0.00000000
## 22.99	0.22222222	0.00000000	0.00000000
## 23	0.00000000	0.00000000	0.00000000
## 23.01	0.00000000	0.00000000	0.00000000
## 23.05	0.00000000	0.00000000	0.00000000
## 23.06	0.33333333	0.00000000	0.00000000
## 23.08	0.00000000	0.00000000	0.00000000
## 23.09	0.00000000	0.00000000	0.00000000
## 23.1	0.00000000	0.00000000	0.00000000
## 23.11	0.00000000	0.00000000	0.00000000
## 23.15	0.00000000	0.00000000	0.00000000
## 23.16	0.00000000	0.00000000	0.00000000
## 23.17	0.00000000	0.50000000	0.00000000
## 23.19	0.00000000	0.00000000	0.00000000
## 23.2	0.00000000	0.00000000	0.00000000
## 23.23	0.33333333	0.00000000	0.00000000

## 23.25	0.00000000	0.00000000	0.00000000
## 23.29	0.00000000	0.00000000	0.00000000
## 23.3	0.00000000	0.00000000	0.00000000
## 23.33	0.00000000	0.00000000	0.00000000
## 23.34	0.00000000	0.00000000	0.00000000
## 23.35	0.00000000	0.00000000	0.00000000
## 23.38	0.00000000	0.00000000	0.00000000
## 23.39	0.00000000	0.00000000	0.00000000
## 23.4	0.00000000	0.00000000	0.00000000
## 23.45	0.00000000	0.00000000	0.00000000
## 23.49	0.00000000	0.00000000	0.00000000
## 23.5	0.30000000	0.00000000	0.00000000
## 23.52	0.00000000	0.00000000	0.00000000
## 23.61	0.00000000	0.00000000	0.00000000
## 23.65	0.33333333	0.00000000	0.00000000
## 23.68	0.00000000	0.00000000	0.00000000
## 23.7	0.00000000	0.00000000	0.00000000
## 23.75	0.25000000	0.00000000	0.00000000
## 23.79	0.00000000	0.00000000	0.00000000
## 23.8	1.00000000	0.00000000	0.00000000
## 23.88	0.33333333	0.00000000	0.00000000
## 23.89	0.00000000	0.00000000	0.00000000
## 23.9	0.17647059	0.00000000	0.00000000
## 23.91	0.00000000	0.00000000	0.00000000
## 23.94	0.00000000	0.00000000	0.00000000
## 23.95	0.00000000	0.00000000	0.00000000
## 23.99	0.00000000	0.00000000	0.00000000
## 24	0.37500000	0.00000000	0.00000000
## 24.01	0.00000000	0.00000000	0.00000000
## 24.08	0.00000000	0.00000000	0.00000000
## 24.09	0.00000000	0.00000000	0.00000000
## 24.1	0.00000000	0.00000000	0.00000000
## 24.12	0.00000000	0.00000000	0.00000000
## 24.14	0.00000000	0.00000000	0.00000000
## 24.15	0.00000000	0.00000000	0.00000000
## 24.17	0.00000000	0.00000000	0.00000000
## 24.18	0.50000000	0.00000000	0.00000000
## 24.19	0.00000000	0.00000000	0.00000000
## 24.2	0.00000000	0.00000000	0.00000000
## 24.24	0.00000000	0.33333333	0.00000000
## 24.26	0.00000000	0.00000000	0.00000000
## 24.27	0.14285714	0.00000000	0.00000000
## 24.3	0.00000000	0.00000000	0.00000000
## 24.32	0.00000000	0.00000000	0.00000000
## 24.33	1.00000000	0.00000000	0.00000000
## 24.34	0.00000000	0.00000000	0.00000000
## 24.37	0.16666667	0.00000000	0.00000000
## 24.39	1.00000000	0.00000000	0.00000000
## 24.45	0.00000000	0.00000000	0.00000000
## 24.49	0.00000000	0.00000000	0.00000000
## 24.5	0.00000000	0.00000000	0.00000000
## 24.57	0.00000000	0.00000000	0.00000000
## 24.59	0.00000000	0.00000000	0.00000000
## 24.63	0.00000000	0.00000000	0.00000000

## 24.69	1.00000000	0.00000000	0.00000000
## 24.7	0.00000000	0.00000000	0.00000000
## 24.73	0.33333333	0.00000000	0.00000000
## 24.74	0.00000000	0.00000000	0.00000000
## 24.75	0.00000000	0.00000000	0.00000000
## 24.8	0.00000000	0.00000000	0.00000000
## 24.85	0.33333333	0.66666667	0.00000000
## 24.86	0.00000000	0.00000000	0.00000000
## 24.88	0.00000000	0.00000000	0.00000000
## 24.89	0.00000000	0.00000000	0.00000000
## 24.9	0.00000000	0.09090909	0.00000000
## 24.91	0.00000000	0.00000000	0.00000000
## 24.95	0.11111111	0.00000000	0.00000000
## 24.99	0.16666667	0.00000000	0.00000000
## 25	0.00000000	0.00000000	0.00000000
## 25.02	0.50000000	0.00000000	0.00000000
## 25.04	1.00000000	0.00000000	0.00000000
## 25.1	0.00000000	0.00000000	0.00000000
## 25.12	0.33333333	0.00000000	0.00000000
## 25.13	0.00000000	0.00000000	0.00000000
## 25.15	0.50000000	0.00000000	0.00000000
## 25.16	0.00000000	0.00000000	0.00000000
## 25.2	0.00000000	0.00000000	0.00000000
## 25.24	0.00000000	0.00000000	0.00000000
## 25.25	0.00000000	0.00000000	0.00000000
## 25.26	0.50000000	0.00000000	0.00000000
## 25.29	0.00000000	0.00000000	0.00000000
## 25.3	0.00000000	0.00000000	0.00000000
## 25.34	0.00000000	0.00000000	0.00000000
## 25.35	0.50000000	0.00000000	0.00000000
## 25.39	0.00000000	0.00000000	0.00000000
## 25.44	0.00000000	0.00000000	0.00000000
## 25.45	0.00000000	0.00000000	0.00000000
## 25.47	0.00000000	0.00000000	0.00000000
## 25.49	0.00000000	0.00000000	0.00000000
## 25.5	0.00000000	0.00000000	0.00000000
## 25.55	0.00000000	0.00000000	0.00000000
## 25.57	0.00000000	0.00000000	0.00000000
## 25.69	0.00000000	0.00000000	0.00000000
## 25.7	0.00000000	0.00000000	0.00000000
## 25.71	0.00000000	0.00000000	0.00000000
## 25.75	0.00000000	0.00000000	0.00000000
## 25.78	0.00000000	0.00000000	0.00000000
## 25.79	0.00000000	0.00000000	0.00000000
## 25.8	0.00000000	0.00000000	0.00000000
## 25.83	0.33333333	0.00000000	0.00000000
## 25.84	0.00000000	0.00000000	0.00000000
## 25.85	0.00000000	0.00000000	0.00000000
## 25.89	0.00000000	0.00000000	0.00000000
## 25.9	0.14814815	0.00000000	0.00000000
## 25.92	0.00000000	0.00000000	0.00000000
## 25.95	0.00000000	0.00000000	0.00000000
## 25.99	0.00000000	0.00000000	0.00000000
## 26	0.25000000	0.00000000	0.00000000

## 26.03	0.00000000	0.00000000	0.00000000
## 26.04	1.00000000	0.00000000	0.00000000
## 26.05	0.00000000	0.00000000	0.00000000
## 26.06	0.00000000	0.00000000	0.00000000
## 26.09	0.00000000	0.00000000	0.00000000
## 26.1	0.00000000	0.00000000	0.00000000
## 26.12	0.00000000	0.00000000	0.00000000
## 26.14	0.00000000	0.00000000	0.00000000
## 26.18	0.50000000	0.00000000	0.00000000
## 26.2	0.00000000	0.00000000	0.00000000
## 26.21	0.00000000	0.00000000	0.00000000
## 26.22	0.00000000	0.00000000	0.00000000
## 26.23	0.00000000	0.00000000	0.00000000
## 26.25	0.00000000	0.00000000	0.00000000
## 26.27	0.00000000	0.00000000	0.00000000
## 26.31	0.00000000	0.00000000	0.00000000
## 26.32	0.00000000	0.00000000	0.00000000
## 26.36	1.00000000	0.00000000	0.00000000
## 26.39	0.00000000	0.00000000	0.00000000
## 26.47	0.00000000	0.00000000	0.00000000
## 26.48	0.00000000	0.00000000	0.00000000
## 26.5	0.16666667	0.00000000	0.00000000
## 26.55	0.00000000	0.00000000	0.00000000
## 26.61	0.00000000	0.00000000	0.00000000
## 26.66	1.00000000	0.00000000	0.00000000
## 26.69	0.00000000	0.00000000	0.00000000
## 26.7	0.00000000	0.11111111	0.00000000
## 26.77	0.50000000	0.00000000	0.00000000
## 26.8	0.00000000	0.00000000	0.00000000
## 26.81	0.00000000	0.00000000	0.00000000
## 26.85	0.00000000	0.00000000	0.00000000
## 26.89	0.00000000	0.00000000	0.00000000
## 26.9	0.05263158	0.00000000	0.00000000
## 26.92	0.00000000	0.00000000	0.00000000
## 26.95	0.16666667	0.16666667	0.00000000
## 26.99	0.00000000	0.00000000	0.00000000
## 27	0.00000000	0.00000000	0.00000000
## 27.04	0.00000000	0.00000000	0.00000000
## 27.06	0.20000000	0.00000000	0.00000000
## 27.09	0.00000000	0.00000000	0.00000000
## 27.1	0.00000000	0.00000000	0.00000000
## 27.11	1.00000000	0.00000000	0.00000000
## 27.13	0.00000000	0.00000000	0.00000000
## 27.15	0.00000000	0.00000000	0.00000000
## 27.2	0.11111111	0.00000000	0.00000000
## 27.25	0.00000000	0.00000000	0.00000000
## 27.26	1.00000000	0.00000000	0.00000000
## 27.27	1.00000000	0.00000000	0.00000000
## 27.28	0.00000000	0.00000000	0.00000000
## 27.29	0.22222222	0.00000000	0.00000000
## 27.3	0.00000000	0.00000000	0.00000000
## 27.32	0.00000000	0.00000000	0.00000000
## 27.36	0.00000000	0.00000000	0.00000000
## 27.4	0.00000000	0.00000000	0.00000000

## 27.43	0.00000000	0.00000000	0.00000000
## 27.5	0.14285714	0.00000000	0.00000000
## 27.59	0.00000000	0.00000000	0.00000000
## 27.6	0.00000000	0.00000000	0.00000000
## 27.65	0.00000000	0.00000000	0.00000000
## 27.68	0.00000000	0.00000000	0.00000000
## 27.69	0.00000000	0.00000000	0.00000000
## 27.71	0.00000000	0.00000000	0.00000000
## 27.75	0.66666667	0.00000000	0.00000000
## 27.78	0.25000000	0.00000000	0.00000000
## 27.79	0.00000000	0.00000000	0.00000000
## 27.82	0.00000000	0.00000000	0.00000000
## 27.89	0.00000000	0.00000000	0.00000000
## 27.9	0.09090909	0.00000000	0.00000000
## 27.95	0.00000000	0.00000000	0.00000000
## 27.96	0.00000000	0.00000000	0.00000000
## 27.99	0.00000000	0.00000000	0.00000000
## 28	0.00000000	0.00000000	0.00000000
## 28.01	0.00000000	0.00000000	0.00000000
## 28.03	0.00000000	0.00000000	0.00000000
## 28.06	0.00000000	0.00000000	0.00000000
## 28.07	0.50000000	0.00000000	0.00000000
## 28.08	0.00000000	0.00000000	0.00000000
## 28.09	0.00000000	0.00000000	0.00000000
## 28.1	0.00000000	0.00000000	0.00000000
## 28.12	0.00000000	0.00000000	0.00000000
## 28.13	0.00000000	0.00000000	0.00000000
## 28.16	0.00000000	0.00000000	0.00000000
## 28.17	0.00000000	0.00000000	0.00000000
## 28.18	0.33333333	0.00000000	0.00000000
## 28.22	0.00000000	0.00000000	0.00000000
## 28.24	0.00000000	0.00000000	0.00000000
## 28.25	0.00000000	0.00000000	0.00000000
## 28.27	0.00000000	0.00000000	0.00000000
## 28.3	0.00000000	0.00000000	0.00000000
## 28.31	0.00000000	0.00000000	0.00000000
## 28.35	0.00000000	0.00000000	0.00000000
## 28.38	0.00000000	0.00000000	0.00000000
## 28.4	0.00000000	0.00000000	0.00000000
## 28.41	0.00000000	0.00000000	0.00000000
## 28.42	0.00000000	0.00000000	0.00000000
## 28.47	0.00000000	0.00000000	0.00000000
## 28.49	0.00000000	0.00000000	0.00000000
## 28.5	0.00000000	0.00000000	0.00000000
## 28.55	0.00000000	0.00000000	0.00000000
## 28.59	0.00000000	0.00000000	0.00000000
## 28.6	0.00000000	0.00000000	0.00000000
## 28.62	0.00000000	0.00000000	0.00000000
## 28.65	0.00000000	0.00000000	0.00000000
## 28.66	0.00000000	0.00000000	0.00000000
## 28.7	0.25000000	0.00000000	0.00000000
## 28.72	0.00000000	0.00000000	0.00000000
## 28.76	0.00000000	0.00000000	0.00000000
## 28.8	0.00000000	0.00000000	0.00000000

## 28.83	0.00000000	0.00000000	0.00000000
## 28.9	0.13333333	0.00000000	0.00000000
## 28.92	0.00000000	0.00000000	0.00000000
## 28.93	0.00000000	0.00000000	0.00000000
## 28.95	0.00000000	0.00000000	0.00000000
## 28.99	0.00000000	0.00000000	0.00000000
## 29	0.00000000	0.00000000	0.00000000
## 29.05	0.00000000	0.00000000	0.00000000
## 29.08	0.00000000	0.00000000	0.00000000
## 29.09	0.00000000	0.00000000	0.00000000
## 29.1	0.00000000	0.00000000	0.00000000
## 29.12	0.00000000	0.00000000	0.00000000
## 29.13	0.00000000	0.00000000	0.00000000
## 29.15	0.04761905	0.09523810	0.00000000
## 29.19	0.00000000	0.00000000	0.00000000
## 29.2	0.00000000	0.00000000	0.00000000
## 29.25	0.00000000	0.00000000	0.00000000
## 29.28	0.00000000	0.00000000	0.00000000
## 29.29	0.00000000	0.00000000	0.00000000
## 29.36	0.00000000	0.00000000	0.00000000
## 29.37	0.00000000	0.00000000	0.00000000
## 29.39	0.00000000	0.00000000	0.00000000
## 29.41	0.00000000	0.00000000	0.00000000
## 29.45	0.00000000	0.00000000	0.00000000
## 29.47	0.00000000	0.00000000	0.00000000
## 29.48	0.00000000	0.00000000	0.00000000
## 29.49	0.00000000	0.00000000	0.00000000
## 29.5	0.00000000	0.00000000	0.00000000
## 29.54	0.00000000	0.00000000	0.00000000
## 29.55	0.00000000	0.00000000	0.00000000
## 29.6	0.00000000	0.00000000	0.00000000
## 29.61	0.00000000	0.00000000	0.00000000
## 29.67	0.00000000	0.00000000	0.00000000
## 29.77	0.00000000	0.00000000	0.00000000
## 29.8	0.00000000	0.00000000	0.00000000
## 29.84	0.00000000	0.00000000	0.00000000
## 29.85	0.00000000	0.00000000	0.00000000
## 29.89	0.00000000	0.00000000	0.00000000
## 29.9	0.11428571	0.00000000	0.00000000
## 29.95	0.00000000	0.00000000	0.00000000
## 29.99	0.00000000	0.00000000	0.00000000
## 30	0.25000000	0.00000000	0.00000000
## 30.07	0.00000000	0.00000000	0.00000000
## 30.12	0.00000000	0.00000000	0.00000000
## 30.17	0.00000000	0.00000000	0.00000000
## 30.19	0.50000000	0.00000000	0.00000000
## 30.31	0.00000000	0.00000000	0.00000000
## 30.39	0.00000000	0.00000000	0.00000000
## 30.43	0.00000000	0.00000000	0.00000000
## 30.45	0.00000000	0.00000000	0.00000000
## 30.47	0.00000000	0.00000000	0.00000000
## 30.52	0.00000000	0.00000000	0.00000000
## 30.62	0.00000000	0.00000000	0.00000000
## 30.65	0.00000000	0.00000000	0.00000000

[illegible]

[illegible]

## 34.73	0.00000000	0.00000000	0.00000000
## 34.8	0.00000000	0.00000000	0.00000000
## 34.82	0.00000000	0.00000000	0.00000000
## 34.85	0.00000000	0.00000000	0.00000000
## 34.89	0.00000000	0.00000000	0.00000000
## 34.9	0.00000000	0.00000000	0.00000000
## 34.91	0.00000000	0.00000000	0.00000000
## 34.95	0.11111111	0.00000000	0.00000000
## 34.97	0.00000000	0.00000000	0.00000000
## 34.99	0.00000000	0.00000000	0.00000000
## 35	0.05000000	0.00000000	0.00000000
## 35.04	0.00000000	0.00000000	0.00000000
## 35.09	0.00000000	0.00000000	0.00000000
## 35.1	1.00000000	0.00000000	0.00000000
## 35.27	0.00000000	0.00000000	0.00000000
## 35.37	0.00000000	0.00000000	0.00000000
## 35.44	0.00000000	0.00000000	0.00000000
## 35.45	0.00000000	0.00000000	0.00000000
## 35.5	0.00000000	0.00000000	0.00000000
## 35.55	0.00000000	0.00000000	0.00000000
## 35.57	0.00000000	0.00000000	0.00000000
## 35.58	0.00000000	0.00000000	0.00000000
## 35.68	0.00000000	0.00000000	0.00000000
## 35.69	0.50000000	0.00000000	0.00000000
## 35.7	0.00000000	0.00000000	0.00000000
## 35.74	0.00000000	0.00000000	0.00000000
## 35.77	0.00000000	0.00000000	0.00000000
## 35.84	0.00000000	0.00000000	0.00000000
## 35.85	0.00000000	0.00000000	0.00000000
## 35.89	0.00000000	0.00000000	0.00000000
## 35.9	0.14285714	0.14285714	0.00000000
## 35.95	0.00000000	0.00000000	0.00000000
## 35.97	0.20000000	0.00000000	0.00000000
## 35.99	0.00000000	0.00000000	0.00000000
## 36	0.14285714	0.00000000	0.00000000
## 36.06	0.00000000	0.00000000	0.00000000
## 36.11	0.00000000	0.00000000	0.00000000
## 36.15	0.00000000	0.00000000	0.00000000
## 36.18	0.00000000	0.00000000	0.00000000
## 36.3	0.00000000	0.00000000	0.00000000
## 36.33	0.00000000	0.00000000	0.00000000
## 36.37	0.00000000	0.00000000	0.00000000
## 36.38	1.00000000	0.00000000	0.00000000
## 36.45	0.00000000	0.00000000	0.00000000
## 36.5	0.00000000	0.00000000	0.00000000
## 36.52	0.00000000	0.00000000	0.00000000
## 36.55	0.00000000	0.00000000	0.00000000
## 36.56	0.00000000	0.00000000	0.00000000
## 36.58	0.00000000	0.00000000	0.00000000
## 36.63	0.00000000	0.00000000	0.00000000
## 36.7	0.00000000	0.00000000	0.00000000
## 36.71	0.00000000	0.00000000	0.00000000
## 36.74	0.00000000	0.00000000	0.00000000
## 36.75	0.00000000	0.00000000	0.00000000

## 36.76	0.00000000	0.00000000	0.00000000
## 36.79	0.00000000	0.00000000	0.00000000
## 36.83	0.00000000	0.00000000	0.00000000
## 36.85	0.33333333	0.00000000	0.00000000
## 36.89	0.00000000	0.00000000	0.00000000
## 36.9	0.12500000	0.00000000	0.00000000
## 36.95	0.00000000	0.00000000	0.00000000
## 36.99	0.00000000	0.00000000	0.00000000
## 37	0.00000000	0.00000000	0.00000000
## 37.03	0.00000000	0.00000000	0.00000000
## 37.04	0.00000000	0.00000000	0.00000000
## 37.3	0.00000000	0.00000000	0.00000000
## 37.34	0.00000000	0.00000000	0.00000000
## 37.43	0.00000000	0.00000000	0.00000000
## 37.45	0.00000000	0.00000000	0.00000000
## 37.5	0.00000000	0.00000000	0.00000000
## 37.53	0.00000000	0.00000000	0.00000000
## 37.56	0.00000000	0.00000000	0.00000000
## 37.63	0.00000000	0.00000000	0.00000000
## 37.64	0.00000000	0.00000000	0.00000000
## 37.73	0.00000000	0.00000000	0.00000000
## 37.79	0.00000000	0.00000000	0.00000000
## 37.82	0.00000000	0.00000000	0.00000000
## 37.83	0.00000000	0.00000000	0.00000000
## 37.85	0.00000000	0.00000000	0.00000000
## 37.9	0.08333333	0.00000000	0.00000000
## 37.92	0.00000000	0.00000000	0.00000000
## 37.95	0.00000000	0.00000000	0.00000000
## 37.97	0.00000000	0.00000000	0.00000000
## 37.98	0.00000000	0.00000000	0.00000000
## 37.99	0.00000000	0.00000000	0.00000000
## 38	0.00000000	0.00000000	0.00000000
## 38.01	0.00000000	0.00000000	0.00000000
## 38.02	0.00000000	0.00000000	0.00000000
## 38.09	0.00000000	0.00000000	0.00000000
## 38.3	0.00000000	0.00000000	0.00000000
## 38.41	0.00000000	0.00000000	0.00000000
## 38.5	0.00000000	0.00000000	0.00000000
## 38.54	0.00000000	0.00000000	0.00000000
## 38.56	0.00000000	0.00000000	0.00000000
## 38.57	0.00000000	0.00000000	0.00000000
## 38.6	0.00000000	0.00000000	0.00000000
## 38.69	0.00000000	0.00000000	0.00000000
## 38.7	0.14285714	0.00000000	0.00000000
## 38.75	0.00000000	0.00000000	0.00000000
## 38.79	0.00000000	0.00000000	0.00000000
## 38.8	0.00000000	0.00000000	0.00000000
## 38.89	0.00000000	0.00000000	0.00000000
## 38.9	0.00000000	0.00000000	0.00000000
## 38.91	0.00000000	0.00000000	0.00000000
## 38.94	0.09090909	0.00000000	0.00000000
## 38.95	0.00000000	0.00000000	0.00000000
## 38.96	0.00000000	0.00000000	0.00000000
## 38.99	0.00000000	0.00000000	0.00000000

## 39	0.00000000	0.00000000	0.00000000
## 39.15	0.00000000	0.00000000	0.00000000
## 39.19	0.00000000	0.00000000	0.00000000
## 39.47	0.00000000	0.00000000	0.00000000
## 39.48	0.00000000	0.00000000	0.00000000
## 39.5	0.11111111	0.00000000	0.00000000
## 39.58	0.00000000	0.00000000	0.00000000
## 39.69	0.00000000	0.00000000	0.00000000
## 39.79	0.00000000	0.00000000	0.00000000
## 39.87	0.00000000	0.00000000	0.00000000
## 39.89	0.00000000	0.00000000	0.00000000
## 39.9	0.04166667	0.00000000	0.00000000
## 39.95	0.00000000	0.00000000	0.00000000
## 39.98	0.00000000	0.00000000	0.00000000
## 39.99	0.00000000	0.00000000	0.00000000
## 40	0.50000000	0.00000000	0.00000000
## 40.09	0.00000000	0.00000000	0.00000000
## 40.1	0.00000000	0.00000000	0.00000000
## 40.16	0.00000000	0.00000000	0.00000000
## 40.19	1.00000000	0.00000000	0.00000000
## 40.25	0.00000000	0.00000000	0.00000000
## 40.26	0.00000000	0.00000000	0.00000000
## 40.28	0.00000000	0.00000000	0.00000000
## 40.34	0.00000000	0.00000000	0.00000000
## 40.39	0.00000000	0.00000000	0.00000000
## 40.4	0.00000000	0.00000000	0.00000000
## 40.59	0.00000000	0.00000000	0.00000000
## 40.65	0.00000000	0.00000000	0.00000000
## 40.73	1.00000000	0.00000000	0.00000000
## 40.81	0.00000000	0.00000000	0.00000000
## 40.84	0.00000000	0.00000000	0.00000000
## 40.85	0.00000000	0.00000000	0.00000000
## 40.9	0.00000000	0.00000000	0.00000000
## 40.94	0.00000000	0.00000000	0.00000000
## 40.95	0.00000000	0.00000000	0.00000000
## 40.98	0.00000000	0.00000000	0.00000000
## 41	0.00000000	0.00000000	0.00000000
## 41.04	0.00000000	0.00000000	0.00000000
## 41.1	1.00000000	0.00000000	0.00000000
## 41.15	0.00000000	0.00000000	0.00000000
## 41.26	0.00000000	0.00000000	0.00000000
## 41.28	0.00000000	0.00000000	0.00000000
## 41.29	0.00000000	0.00000000	0.00000000
## 41.4	0.00000000	0.00000000	0.00000000
## 41.43	0.00000000	0.00000000	0.00000000
## 41.49	0.00000000	0.00000000	0.00000000
## 41.58	0.00000000	0.00000000	0.00000000
## 41.61	0.00000000	0.00000000	0.00000000
## 41.71	0.00000000	0.00000000	0.00000000
## 41.72	0.00000000	0.00000000	0.00000000
## 41.82	0.00000000	0.00000000	0.00000000
## 41.85	0.00000000	0.00000000	0.00000000
## 41.87	0.00000000	0.00000000	0.00000000
## 41.9	0.25000000	0.00000000	0.00000000

## 41.91	0.00000000	0.00000000	0.00000000
## 41.92	0.00000000	0.00000000	0.00000000
## 41.99	0.00000000	0.00000000	0.00000000
## 42	0.15384615	0.00000000	0.00000000
## 42.01	0.00000000	0.00000000	0.00000000
## 42.09	0.00000000	0.00000000	0.00000000
## 42.11	0.00000000	0.00000000	0.00000000
## 42.27	0.00000000	0.00000000	0.00000000
## 42.4	0.00000000	0.00000000	0.00000000
## 42.45	1.00000000	0.00000000	0.00000000
## 42.47	0.00000000	0.00000000	0.00000000
## 42.5	0.20000000	0.00000000	0.00000000
## 42.51	0.00000000	0.00000000	0.00000000
## 42.62	0.00000000	0.00000000	0.00000000
## 42.63	0.00000000	0.00000000	0.00000000
## 42.79	0.00000000	0.00000000	0.00000000
## 42.8	0.00000000	0.00000000	0.00000000
## 42.89	0.00000000	0.00000000	0.00000000
## 42.9	0.00000000	0.00000000	0.00000000
## 42.94	0.00000000	0.00000000	0.00000000
## 42.95	0.00000000	0.00000000	0.00000000
## 42.99	0.00000000	0.00000000	0.00000000
## 43	0.00000000	0.00000000	0.00000000
## 43.16	0.00000000	0.00000000	0.00000000
## 43.17	0.00000000	0.00000000	0.00000000
## 43.28	0.00000000	0.00000000	0.00000000
## 43.39	0.00000000	0.00000000	0.00000000
## 43.43	0.00000000	0.00000000	0.00000000
## 43.5	0.33333333	0.00000000	0.00000000
## 43.55	0.00000000	0.00000000	0.00000000
## 43.6	0.00000000	0.00000000	0.00000000
## 43.61	0.00000000	0.00000000	0.00000000
## 43.65	0.33333333	0.00000000	0.00000000
## 43.69	0.00000000	0.00000000	0.00000000
## 43.7	0.00000000	0.00000000	0.00000000
## 43.77	0.00000000	0.00000000	0.00000000
## 43.8	0.00000000	0.00000000	0.00000000
## 43.82	0.00000000	0.00000000	0.00000000
## 43.83	0.00000000	0.00000000	0.00000000
## 43.85	0.00000000	0.00000000	0.00000000
## 43.87	0.00000000	0.00000000	0.00000000
## 43.9	0.00000000	0.00000000	0.00000000
## 43.95	0.00000000	0.00000000	0.00000000
## 43.99	0.00000000	0.00000000	0.00000000
## 44	0.00000000	0.00000000	0.00000000
## 44.11	0.00000000	0.00000000	0.00000000
## 44.28	0.00000000	0.00000000	0.00000000
## 44.47	0.00000000	0.00000000	0.00000000
## 44.5	0.00000000	0.00000000	0.00000000
## 44.52	0.00000000	0.00000000	0.00000000
## 44.57	0.00000000	0.00000000	0.00000000
## 44.59	0.00000000	0.00000000	0.00000000
## 44.61	0.00000000	0.00000000	0.00000000
## 44.62	0.00000000	0.00000000	0.00000000

## 44.73	0.00000000	0.00000000	0.00000000
## 44.74	0.00000000	0.00000000	0.00000000
## 44.75	0.00000000	0.00000000	0.00000000
## 44.79	0.00000000	0.00000000	0.00000000
## 44.8	0.00000000	0.00000000	0.00000000
## 44.84	0.00000000	0.00000000	0.00000000
## 44.85	0.33333333	0.00000000	0.00000000
## 44.9	0.00000000	0.00000000	0.00000000
## 44.91	0.00000000	0.00000000	0.00000000
## 44.95	0.00000000	0.00000000	0.00000000
## 44.96	0.00000000	0.00000000	0.00000000
## 44.99	0.00000000	0.00000000	0.00000000
## 45	0.10526316	0.00000000	0.00000000
## 45.26	0.00000000	0.00000000	0.00000000
## 45.28	0.00000000	0.00000000	0.00000000
## 45.29	0.00000000	0.00000000	0.00000000
## 45.5	0.00000000	0.00000000	0.00000000
## 45.59	0.00000000	0.00000000	0.00000000
## 45.6	0.00000000	0.00000000	0.00000000
## 45.69	0.00000000	0.00000000	0.00000000
## 45.72	0.00000000	0.00000000	0.00000000
## 45.74	0.00000000	0.00000000	0.00000000
## 45.77	0.00000000	0.00000000	0.00000000
## 45.84	0.00000000	0.00000000	0.00000000
## 45.9	0.00000000	0.00000000	0.00000000
## 45.95	0.00000000	0.00000000	0.00000000
## 46	0.00000000	0.00000000	0.00000000
## 46.21	0.00000000	0.00000000	0.00000000
## 46.29	0.00000000	0.00000000	0.00000000
## 46.3	0.00000000	0.00000000	0.00000000
## 46.32	0.00000000	0.00000000	0.00000000
## 46.34	0.00000000	0.00000000	0.00000000
## 46.4	1.00000000	0.00000000	0.00000000
## 46.41	0.00000000	0.00000000	0.00000000
## 46.46	0.00000000	0.00000000	0.00000000
## 46.5	0.00000000	0.00000000	0.00000000
## 46.6	0.00000000	0.00000000	0.00000000
## 46.64	0.00000000	0.00000000	0.00000000
## 46.65	0.00000000	0.00000000	0.00000000
## 46.69	0.00000000	0.00000000	0.00000000
## 46.7	0.00000000	0.00000000	0.00000000
## 46.75	0.00000000	0.00000000	0.00000000
## 46.77	0.00000000	0.00000000	0.00000000
## 46.79	0.06250000	0.00000000	0.00000000
## 46.84	0.00000000	0.00000000	0.00000000
## 46.88	0.00000000	0.00000000	0.00000000
## 46.9	0.00000000	0.00000000	0.00000000
## 46.95	0.00000000	0.00000000	0.00000000
## 47	0.00000000	0.00000000	0.00000000
## 47.2	0.00000000	0.00000000	0.00000000
## 47.4	0.00000000	0.00000000	0.00000000
## 47.5	0.00000000	0.00000000	0.00000000
## 47.52	0.00000000	0.00000000	0.00000000
## 47.53	0.00000000	0.00000000	0.00000000

[illegible]

```
## 50.56 0.00000000 0.00000000 0.00000000
## 50.6 0.00000000 0.00000000 0.00000000
## 50.67 0.00000000 0.00000000 0.00000000
## 50.69 0.00000000 0.00000000 0.00000000
## 50.85 0.00000000 0.00000000 0.00000000
## 50.9 0.00000000 0.00000000 0.00000000
## 50.95 0.00000000 0.00000000 0.00000000
## 51.15 0.00000000 0.00000000 0.00000000
## [ reached getOption("max.print") -- omitted 765 rows ]
```

```
summary(lda1)
```

```
##          Length Class  Mode
## prior      2616 -none- numeric
## counts      2616 -none- numeric
## means     141264 -none- numeric
## scaling     2916 -none- numeric
## lev         2616 -none- character
## svd           54 -none- numeric
## N              1 -none- numeric
## call          3 -none- call
## terms         3 terms call
## xlevels       2 -none- list
```

```
coef(lda1)
```

##	LD1	LD2	LD3	LD4
## CountryAustralia	-3.023636e-03	1.711321e-02	-1.875627e-01	9.628237e-02
## CountryAustria	3.211640e-03	-6.569845e-03	-6.478760e-02	1.285473e-01
## CountryBrazil	5.573301e-03	-3.003999e-02	1.085939e-01	-4.318887e-01
## CountryBulgaria	-1.471100e-02	-2.364032e-02	4.634152e-02	-1.872907e-01
## CountryCanada	-2.612307e-02	5.966304e-02	-7.719295e-02	2.172801e-01
## CountryChile	7.374817e-04	3.011762e-03	-1.040000e-01	-1.143177e-01
## CountryChina	3.379829e-03	4.545509e-02	-2.434034e-01	8.327768e-01
## CountryCroatia	-8.876505e-03	2.465590e-02	-6.473239e-02	2.042085e-01
## CountryCzech Republic	-4.970148e-03	4.854065e-02	-2.099695e-01	6.935122e-01
## CountryFrance	8.318648e-04	5.137233e-02	-1.729114e-01	3.800361e-01
## CountryGeorgia	2.475544e-03	2.917056e-02	6.240390e-03	1.040514e-02
## CountryGermany	3.736242e-03	6.855640e-03	-9.025261e-02	2.204481e-01
## CountryGreece	2.631335e-03	-3.792524e-03	1.713755e-03	-1.684866e-01
## CountryHungary	1.132229e-02	8.922631e-04	6.854507e-02	-3.198909e-01
## CountryIsrael	1.750862e-03	1.782188e-02	-1.223922e-01	2.771207e-01
## CountryItaly	4.345934e-02	-5.293654e-03	-4.310570e-02	9.993313e-02
## CountryLebanon	3.593236e-03	-5.202484e+00	4.268738e+00	-4.394369e-01
## CountryLuxembourg	1.335203e-02	7.897920e-03	2.121039e-02	-1.179208e-01
## CountryMexico	9.916206e-03	-5.205698e-02	4.361218e-01	-1.557386e+00
## CountryMoldova	1.080968e+02	1.382519e-01	-2.753018e-01	6.065318e-01
## CountryNew Zealand	1.232983e-03	-9.669300e-03	-6.531417e-02	2.790847e-01
## CountryPortugal	4.298152e-03	-7.427189e-03	4.463950e-03	-1.570559e-01
## CountryRomania	9.203288e-04	-6.617727e-03	8.168156e-02	-3.663016e-01
## CountrySlovakia	8.582169e-03	3.671037e-02	-7.121897e-02	2.358652e-01
## CountrySlovenia	5.962799e-03	1.706213e-02	3.288230e-02	-2.062050e-01
## CountrySouth Africa	4.554124e-03	1.032548e-01	-4.300365e-02	6.011303e-02
## CountrySpain	2.104470e-03	5.733165e-03	4.338371e-02	-2.321882e-01
## CountrySwitzerland	7.758520e-03	3.873559e-02	-3.416803e-01	8.172718e-01

## CountryTurkey	5.899963e-03	3.692053e-02	-1.218929e-01	2.656277e-01
## CountryUnited Kingdom	-4.881560e-03	9.149660e-02	-1.922605e-01	6.802104e-01
## CountryUnited States	-5.494922e-03	4.015022e-03	-2.233421e-01	2.759644e-01
## CountryUruguay	-8.170681e-03	-2.443148e-02	-1.454597e-01	4.092588e-01
## Rating	1.077469e-02	8.099973e-03	-1.296664e-01	4.339507e-01
## NumberOfRatings	4.457232e-06	2.693482e-05	-2.223912e-05	1.133402e-06
## Year2001	2.347660e-02	-1.263008e+00	3.959524e+01	9.116838e+00
## Year2002	-6.446413e-02	8.167501e+01	4.101011e+01	5.428681e+00
## Year2003	1.269666e-02	-4.075599e-01	3.691593e+01	9.035492e+00
## Year2004	1.311244e-02	-9.240777e-01	3.609518e+01	8.773741e+00
## Year2005	1.883113e-02	-1.143583e+00	3.905776e+01	8.929040e+00
## Year2006	1.097332e-02	-1.202043e+00	3.787370e+01	2.412060e+01
## Year2007	5.104002e-03	-1.214553e+00	3.914852e+01	8.555966e+00
## Year2008	9.933909e-03	-1.114138e+00	3.935899e+01	9.097005e+00
## Year2009	1.772192e-02	-1.266498e+00	3.960702e+01	8.238773e+00
## Year2010	1.627395e-02	-1.260669e+00	3.966356e+01	7.553318e+00
## Year2011	1.583689e-02	-9.008302e-01	3.979240e+01	7.228071e+00
## Year2012	1.779990e-02	-1.266557e+00	3.979775e+01	6.714053e+00
## Year2013	1.668815e-02	-1.275427e+00	3.974296e+01	6.566488e+00
## Year2014	2.283121e-02	-1.294036e+00	3.995073e+01	6.209959e+00
## Year2015	2.990181e-02	-1.256865e+00	3.987983e+01	6.088825e+00
## Year2016	6.381628e-02	-1.286731e+00	3.996658e+01	5.900882e+00
## Year2017	3.500711e-02	-1.300456e+00	4.008011e+01	5.630103e+00
## Year2018	2.127171e-02	-1.280378e+00	4.014432e+01	5.373447e+00
## Year2019	2.219345e-02	-1.306318e+00	4.017186e+01	5.257389e+00
## Year2020	3.350911e-02	-1.383756e+00	4.018867e+01	5.182590e+00
##	LD5	LD6	LD7	LD8
## CountryAustralia	-3.246895e-01	-0.1242670069	3.328661e-01	-8.302378e-02
## CountryAustria	-3.069621e-01	0.0447746779	2.322367e-01	3.392790e-01
## CountryBrazil	1.886161e-01	0.0032000722	-5.458146e-01	-1.052774e+00
## CountryBulgaria	-1.453111e-01	0.0353003726	8.484319e-01	7.778596e-01
## CountryCanada	-4.704426e-01	-0.0574883995	4.775055e-01	5.276145e-01
## CountryChile	4.385816e-02	0.0268690393	-1.322795e-01	-2.821817e-01
## CountryChina	-1.291328e+00	-0.1401016940	9.947914e-01	1.776145e+00
## CountryCroatia	-3.887830e-01	-0.0336807525	4.064621e-01	2.650116e-01
## CountryCzech Republic	-1.081811e+00	-0.1526942329	8.751896e-01	1.048141e+00
## CountryFrance	-6.197050e-01	-0.0771686600	2.801980e-01	2.576379e-01
## CountryGeorgia	-1.102426e-01	0.0357726105	2.239237e-01	1.827186e-01
## CountryGermany	-4.790231e-01	0.0051290504	-4.433278e-02	2.567153e-01
## CountryGreece	-6.727005e-02	0.0858460408	-2.573803e-01	1.124753e-01
## CountryHungary	2.992802e-01	0.1007542298	-3.224090e-01	-3.301319e-01
## CountryIsrael	-5.176101e-01	-0.0398928507	4.769400e-01	6.163342e-01
## CountryItaly	-1.709216e-01	0.0378871751	1.300574e-01	7.866018e-02
## CountryLebanon	1.247980e+00	0.2382566608	6.038112e+00	2.158707e+00
## CountryLuxembourg	4.303950e-02	-0.0830163901	7.867671e-01	3.831843e-01
## CountryMexico	1.976469e+00	0.2001831814	-1.802935e+00	-2.466326e+00
## CountryMoldova	-7.478909e-01	-0.0632349478	2.845218e-01	2.880107e-01
## CountryNew Zealand	-5.811266e-01	-0.0465097453	4.077835e-01	3.199133e-01
## CountryPortugal	1.960710e-01	0.0467376046	-1.972245e-01	-3.310011e-01
## CountryRomania	3.413320e-01	0.0929559673	-3.381296e-01	-4.879897e-01
## CountrySlovakia	-4.355638e-01	0.0328151556	3.676278e-01	5.829341e-01
## CountrySlovenia	8.000053e-02	0.0719125446	-1.537559e-01	-2.243988e-01
## CountrySouth Africa	-1.725657e-01	0.0972754712	2.842990e-02	1.483354e-01
## CountrySpain	1.099371e-01	0.0809241334	-2.609712e-01	-3.871415e-01

## CountrySwitzerland	-1.511918e+00	-0.4297073790	1.422882e+00	3.411369e-01
## CountryTurkey	-6.081138e-01	-0.1556280380	-4.828553e-01	2.245665e-01
## CountryUnited Kingdom	-1.013771e+00	-0.4366164309	1.281274e+00	9.833285e-01
## CountryUnited States	-3.712586e-01	-0.1670869025	2.336722e-01	2.289469e-01
## CountryUruguay	-7.346260e-01	-0.1392730681	5.087879e-01	7.540212e-01
## Rating	-5.850366e-01	-0.0561626613	4.369096e-01	9.138573e-01
## NumberOfRatings	5.286803e-05	0.0000451953	7.001663e-06	1.057948e-05
## Year2001	-1.149107e+01	41.3580943507	1.711559e+00	-5.462935e+00
## Year2002	-2.780271e+00	-0.7441676444	-1.243633e+00	-1.458232e+00
## Year2003	-9.388867e+00	-2.4050872804	-2.837704e+01	4.783572e+00
## Year2004	-1.048640e+01	-3.6655607001	-1.172355e+00	-1.256155e+01
## Year2005	-9.270548e+00	-0.8779249828	-5.736379e+00	-2.670107e+00
## Year2006	7.502187e+00	-0.0215949028	-2.130985e+00	-2.249964e+00
## Year2007	-8.032670e+00	-3.9954991809	3.740106e+00	-1.008792e+01
## Year2008	-6.688311e+00	-2.1875319156	3.787810e-01	-1.476289e+00
## Year2009	-5.152031e+00	-2.1028972579	1.443264e+00	-3.062520e+00
## Year2010	-5.697490e+00	-1.0482905787	-2.432137e-01	3.513795e+00
## Year2011	-4.455390e+00	-1.1453481133	8.044680e-01	3.894855e-01
## Year2012	-4.108602e+00	-0.9944129439	5.207844e-02	9.685384e-02
## Year2013	-4.204063e+00	-0.8996299695	6.228553e-02	-2.011073e-01
## Year2014	-3.749475e+00	-0.7877581632	-3.916476e-01	-4.648326e-01
## Year2015	-3.665587e+00	-0.9716750115	-5.806297e-01	-5.815553e-01
## Year2016	-3.329803e+00	-0.8362822419	-8.199655e-01	-8.741318e-01
## Year2017	-2.978395e+00	-0.8117574989	-9.626301e-01	-1.208664e+00
## Year2018	-2.662016e+00	-0.7358836512	-1.222287e+00	-1.614706e+00
## Year2019	-2.473631e+00	-0.7262613343	-1.359139e+00	-1.851293e+00
## Year2020	-2.362317e+00	-0.7737520204	-1.428251e+00	-2.100811e+00
##	LD9	LD10	LD11	LD12
## CountryAustralia	2.210710e-01	-1.074219e-01	-6.094763e-01	-2.313716e-01
## CountryAustria	2.248296e-01	1.426935e-01	-6.199266e-01	2.882893e-01
## CountryBrazil	-2.518525e-01	1.109802e+00	1.369676e-03	-8.617374e-02
## CountryBulgaria	-7.289235e-02	-1.852548e+00	-4.818982e+00	2.257847e+00
## CountryCanada	3.714360e-01	-1.819665e-02	-6.843364e-01	2.849815e-01
## CountryChile	-9.520310e-02	4.058984e-01	9.535036e-03	-2.132536e-02
## CountryChina	6.501092e-01	-2.827563e-01	-1.345877e+00	4.849014e-01
## CountryCroatia	3.876929e-01	2.117070e-01	-4.514878e-01	9.231580e-02
## CountryCzech Republic	5.554875e-01	4.211046e-01	-1.106202e+00	3.104857e-01
## CountryFrance	2.852614e-01	2.229042e-01	-3.767403e-01	-3.033548e-02
## CountryGeorgia	2.460233e-01	4.576050e-02	-4.741598e-01	8.841653e-02
## CountryGermany	1.798488e-01	2.267260e-01	-2.073466e-01	6.853067e-02
## CountryGreece	-2.485360e-01	8.080950e-02	-2.225470e-01	5.259613e-02
## CountryHungary	-2.094775e-01	2.662103e-01	2.436484e-01	-1.225906e-01
## CountryIsrael	3.176152e-01	-1.361381e-01	-6.912381e-01	2.304759e-01
## CountryItaly	4.683835e-02	3.381095e-02	-1.944981e-01	-1.018499e-01
## CountryLebanon	-4.376702e-01	-3.768278e-01	-2.602595e+00	9.478979e-01
## CountryLuxembourg	9.267059e-01	-1.816381e+00	-1.595955e+01	-5.656134e+01
## CountryMexico	-1.105358e+00	1.254188e+00	2.063291e+00	-8.422802e-01
## CountryMoldova	2.129838e-01	1.294684e-01	-3.445461e-01	2.640137e-03
## CountryNew Zealand	2.566093e-01	-2.403251e-02	-6.614959e-01	2.224266e-01
## CountryPortugal	-4.186369e-02	3.449454e-01	-5.015545e-02	-3.590642e-02
## CountryRomania	-1.392501e-01	3.106540e-01	2.479070e-01	-1.064191e-01
## CountrySlovakia	2.247199e-01	-1.164114e-01	-3.424060e-01	7.146431e-02
## CountrySlovenia	-5.913614e-02	3.562391e-01	-4.057783e-03	-8.859705e-02
## CountrySouth Africa	-3.992870e-02	1.323217e-01	-1.735840e-01	4.821773e-02

## CountrySpain	-2.099565e-01	2.366650e-01	7.149828e-02	-1.044390e-01
## CountrySwitzerland	1.156511e+00	-1.664627e+00	-2.501587e+00	7.854485e-01
## CountryTurkey	1.013259e+00	2.411188e-01	3.428342e-02	5.176291e-02
## CountryUnited Kingdom	9.083106e-01	9.699196e-01	-1.837076e+00	1.829403e-01
## CountryUnited States	5.561617e-01	2.621623e-02	-1.857791e-01	1.970192e-01
## CountryUruguay	5.888940e-01	-2.768398e-02	-7.314450e-01	2.983303e-01
## Rating	1.990151e-01	-2.251126e-02	-1.034924e+00	3.069022e-01
## NumberOfRatings	4.539974e-06	-6.166133e-05	8.381059e-05	1.869378e-06
## Year2001	4.744561e+00	-5.830034e-01	1.309465e+00	-4.355116e-01
## Year2002	2.730592e-01	-1.262783e+00	-3.113820e-01	8.997596e-02
## Year2003	2.146547e+01	-6.326871e-01	1.706092e+00	-7.350555e-01
## Year2004	-1.956996e+00	-1.071217e+01	-3.945065e+00	9.063612e-01
## Year2005	-5.431394e+00	-1.285212e+00	-2.256679e+00	6.238910e-01
## Year2006	-9.937817e-02	-2.470404e+00	-5.419783e-01	1.723776e-01
## Year2007	8.063512e+00	-3.176457e+00	6.391299e+00	-1.451830e+00
## Year2008	-8.536531e-01	9.217277e+00	5.843324e-01	-7.935902e-01
## Year2009	2.732639e+00	2.712496e+00	1.975550e-01	1.948447e-01
## Year2010	-1.970023e+00	-3.955338e+00	5.992904e+00	-1.602423e+00
## Year2011	1.891174e+00	-2.029553e+00	-2.178283e+00	4.316847e-01
## Year2012	1.193782e+00	-1.857352e+00	-1.591219e+00	6.674254e-01
## Year2013	1.127436e+00	-1.789582e+00	-1.692125e+00	5.174710e-01
## Year2014	1.024405e+00	-1.474574e+00	-1.134157e+00	3.900437e-01
## Year2015	7.245952e-01	-1.423166e+00	-1.011237e+00	3.737852e-01
## Year2016	6.764322e-01	-1.365936e+00	-8.531175e-01	2.221507e-01
## Year2017	6.000956e-01	-1.332149e+00	-6.709336e-01	1.086639e-01
## Year2018	3.586927e-01	-1.229277e+00	-2.647466e-01	7.751206e-02
## Year2019	2.962369e-01	-1.215344e+00	-4.711577e-02	3.578692e-02
## Year2020	3.085771e-01	-1.199284e+00	5.151919e-02	-1.199477e-01
##	LD13	LD14	LD15	LD16
## CountryAustralia	4.982290e-01	-2.273512e-02	7.137502e-01	0.3763482354
## CountryAustria	-9.842325e-02	-6.235574e-02	-3.158332e-01	1.0515271630
## CountryBrazil	-5.318232e-01	3.735971e-02	-2.038080e-01	0.3597514484
## CountryBulgaria	-2.083528e+00	8.048293e+01	2.126318e-01	-6.6395315771
## CountryCanada	-8.002477e-02	1.607072e-01	-3.848240e-01	0.7291160752
## CountryChile	2.859443e-02	3.374464e-02	-2.810672e-02	0.0938097707
## CountryChina	-7.946441e-02	-9.806094e-02	-4.372664e-01	1.7240870825
## CountryCroatia	-3.541747e-01	-1.215473e-02	3.570199e-02	0.6474822489
## CountryCzech Republic	3.251616e-01	9.739822e-02	-3.087982e-01	1.4979295295
## CountryFrance	6.086497e-02	9.551564e-03	-3.375518e-01	0.7650939243
## CountryGeorgia	-5.375951e-02	-2.560010e-02	-9.620449e-02	-0.0932333444
## CountryGermany	-4.263328e-02	2.021117e-02	-2.211936e-01	0.5817709023
## CountryGreece	6.401917e-01	1.250780e-02	-5.379702e-01	0.9884106042
## CountryHungary	-9.561511e-03	-1.179958e-02	-6.020462e-02	0.1726847916
## CountryIsrael	-7.368082e-03	1.468809e-01	-8.032285e-02	1.0407798780
## CountryItaly	-1.041623e-01	1.041879e-01	1.351350e-01	0.2244675910
## CountryLebanon	6.850771e-02	-3.215288e-01	-1.855391e+00	1.7788436476
## CountryLuxembourg	-2.573625e+00	8.352316e-01	-1.289422e+00	2.4839019916
## CountryMexico	3.372198e-01	-5.895891e-01	7.588575e-02	-2.0500999568
## CountryMoldova	-1.754510e-03	1.016225e-01	-7.702251e-02	0.5414403676
## CountryNew Zealand	2.752548e-02	4.829700e-02	-4.477068e-01	1.1343054496
## CountryPortugal	-2.174704e-01	6.492399e-02	1.008872e-01	0.1556938701
## CountryRomania	-7.572795e-02	9.842005e-03	6.712606e-03	0.3120498408
## CountrySlovakia	5.460391e-02	-4.925796e-02	-1.075591e-01	0.3635885062
## CountrySlovenia	1.177656e-01	6.980544e-02	-1.838041e-01	0.3485060038

## CountrySouth Africa	-1.385908e-02	5.122151e-02	-1.073896e-01	0.4953671780
## CountrySpain	7.989079e-02	3.140034e-01	-8.063408e-02	0.1972078164
## CountrySwitzerland	1.162634e+00	-1.782273e-02	7.037061e-01	1.3870987888
## CountryTurkey	-2.062656e-01	-8.912250e-02	-2.939548e-01	0.5724004484
## CountryUnited Kingdom	1.586677e+00	2.117429e-01	-4.844418e-01	-1.7054880584
## CountryUnited States	-1.011309e-01	6.376172e-02	-1.147686e-01	1.8614461550
## CountryUruguay	6.588994e-02	-7.891243e-02	-1.950825e-01	1.8712424140
## Rating	-1.641170e-01	1.154596e-02	3.500926e-02	0.9214992081
## NumberOfRatings	-9.463273e-05	1.839719e-06	2.176661e-05	-0.0001498622
## Year2001	1.670165e+00	2.323709e-01	2.951626e+00	0.8796544504
## Year2002	6.770455e-01	1.609784e-01	1.556174e+00	1.5645024610
## Year2003	3.131723e+00	5.883936e-01	6.042077e+00	-0.1129362614
## Year2004	7.238711e+00	-1.762014e-01	1.369634e+01	2.4369912737
## Year2005	-1.944374e+00	-1.526535e-01	-2.432749e+00	-0.4702644215
## Year2006	1.146217e+00	1.327159e-01	8.374787e-01	1.3130361378
## Year2007	1.170921e+00	6.004766e-01	-6.574327e+00	0.7285147229
## Year2008	6.908765e+00	5.981217e-01	3.289891e+00	0.8717664767
## Year2009	-9.520546e+00	-2.196368e-01	7.021649e+00	0.3159264183
## Year2010	9.718726e-01	2.902533e-01	2.987172e+00	0.7995451617
## Year2011	1.560169e+00	-6.881952e-01	1.125765e+00	-4.9134052137
## Year2012	8.870081e-01	-2.688232e-01	1.241104e+00	0.7492625696
## Year2013	8.389820e-01	4.528882e-01	1.344883e+00	1.4222166314
## Year2014	7.786724e-01	-1.247391e-01	1.135886e+00	1.5774540281
## Year2015	7.821257e-01	1.499263e-01	9.280905e-01	1.5338254294
## Year2016	8.211552e-01	-6.901037e-02	1.095904e+00	1.1742726262
## Year2017	8.143187e-01	2.842523e-02	1.227082e+00	0.8229631120
## Year2018	9.040986e-01	-2.836098e-02	1.274485e+00	0.4763347610
## Year2019	8.881723e-01	-2.260179e-02	1.345464e+00	0.2165427252
## Year2020	9.660743e-01	-2.338956e-02	1.494765e+00	-0.3264044033
##	LD17	LD18	LD19	LD20
## CountryAustralia	-1.5265956259	-2.274062e-01	-0.326030100	-0.4237375367
## CountryAustria	2.8616543560	2.186720e+00	-0.825967158	-1.9274890957
## CountryBrazil	0.2273630845	1.541620e+00	-0.545511396	-0.4211212171
## CountryBulgaria	0.9824998809	3.093089e+00	6.065567414	-2.3645167486
## CountryCanada	-0.0342850538	7.419684e-01	1.160039195	0.4229345593
## CountryChile	0.0089375853	4.819336e-01	0.073713316	0.6237206643
## CountryChina	1.5276100410	2.570642e+00	1.036143337	0.7397968099
## CountryCroatia	-0.3683301318	9.772866e-01	0.156635128	0.6601148101
## CountryCzech Republic	-0.0934110410	7.986006e-01	0.925394136	0.9744614743
## CountryFrance	-1.1531808567	1.204939e+00	0.341034827	0.8353606827
## CountryGeorgia	0.0777229690	1.045876e+00	0.592907366	0.6920593741
## CountryGermany	0.8184271849	1.700809e+00	-0.298561638	-0.4597911310
## CountryGreece	0.4443071256	1.047433e+00	0.800182598	0.6524082960
## CountryHungary	0.2090736809	1.455537e+00	0.432492578	0.7274986539
## CountryIsrael	-0.2067915213	6.039264e-02	-0.879584256	0.8498497121
## CountryItaly	0.6053141675	8.219907e-01	-0.205459463	1.1213716467
## CountryLebanon	0.4651390885	7.780798e+00	1.578666080	1.1137347874
## CountryLuxembourg	2.7501163162	-2.586744e-01	0.964582871	-0.3942361450
## CountryMexico	-2.1700254549	1.680263e+00	3.803090656	3.1670144810
## CountryMoldova	0.1679090795	7.143332e-01	-0.116658797	0.3559067417
## CountryNew Zealand	0.6326416346	1.786560e+00	-0.661967741	0.2605608918
## CountryPortugal	-0.0639376212	6.644698e-01	-0.253803285	0.8818265539
## CountryRomania	0.5481837044	1.164210e+00	0.182266820	0.4426035593
## CountrySlovakia	0.0436491507	1.187397e+00	-0.433967789	0.5853151254

## CountrySlovenia	-0.7175135729	1.381137e+00	-0.038887221	0.2751841111
## CountrySouth Africa	0.1863908189	7.837373e-01	0.158405746	0.5173867149
## CountrySpain	-0.0540212982	4.430087e-01	-0.116554913	0.4545551486
## CountrySwitzerland	2.3804698134	4.183099e+00	-8.563463826	3.1921859228
## CountryTurkey	0.9561251544	2.418536e+00	0.492204206	-0.2673582366
## CountryUnited Kingdom	-4.7358923265	-1.504601e+00	-2.144385040	1.4214940102
## CountryUnited States	0.4938042188	-3.002258e+00	0.891419783	-1.8415805029
## CountryUruguay	0.3059829633	-9.299785e-01	1.064251933	-1.2846012338
## Rating	0.8489636160	5.703997e-01	-0.569607440	-1.0636578983
## NumberOfRatings	0.0000297482	-6.242061e-05	0.000171477	0.0002273404
## Year2001	-0.0836437359	-1.778397e-01	0.679324329	-0.7133956425
## Year2002	0.2162303218	-5.178550e-01	-0.246784765	-0.0072424378
## Year2003	0.0404737222	1.318429e-01	-0.264144303	1.1950231916
## Year2004	-0.4155343322	1.241686e+00	2.179813120	-1.0151633021
## Year2005	0.3348849640	-1.045844e+00	-0.164982805	-0.0254451914
## Year2006	-0.4542543754	2.405617e-01	0.002008986	-0.2566784643
## Year2007	0.6086571635	-8.992057e-02	-0.412547840	0.4381201766
## Year2008	0.6127369210	-7.171039e-01	0.015381883	0.1264813272
## Year2009	-1.0382882753	5.031669e-01	0.448039904	-0.5314038758
## Year2010	-0.6709629324	2.682703e-01	0.024164616	-0.4752360687
## Year2011	-1.4689921078	-2.664318e-01	0.688916781	-1.7640342766
## Year2012	2.0045346866	-9.554717e-01	2.649791844	2.7669248271
## Year2013	-1.3605897972	-1.349829e+00	-3.053614092	1.1457322552
## Year2014	-1.1088481960	2.717868e-01	1.015163323	0.2881063548
## Year2015	-1.3297779257	4.985243e-01	1.064865670	0.0196444410
## Year2016	-1.2555179013	2.687000e-01	0.430778577	0.1264845155
## Year2017	-1.0627575784	3.638640e-01	0.321634488	0.0968476552
## Year2018	-1.1770033720	-1.271718e-01	0.451421605	0.4039696889
## Year2019	-1.2116304043	-4.791197e-01	0.497977588	0.5409729419
## Year2020	-1.4457154352	-5.568805e-01	0.298617510	0.7782602878
##	LD21	LD22	LD23	LD24
## CountryAustralia	2.263905e+00	-3.029347281	-3.9702081969	2.6376165033
## CountryAustria	-1.454127e-01	-1.935247680	0.5067408520	-1.3616612034
## CountryBrazil	1.367971e+00	1.521818233	-1.0832092123	-1.1370108329
## CountryBulgaria	-1.556205e+00	-1.102339338	-1.3549364491	0.8271215565
## CountryCanada	7.018203e-01	1.180426467	-0.5437155740	-1.2727753505
## CountryChile	5.670327e-01	0.591450961	-0.1380140423	-0.8259378275
## CountryChina	5.891637e-01	-0.901502559	-0.4400871585	-2.0463776656
## CountryCroatia	3.470831e-01	-0.089455289	-0.0373001915	-1.3032102353
## CountryCzech Republic	7.306060e-01	1.208953837	-0.6312142670	-1.3444416020
## CountryFrance	-4.517756e-02	-0.441071895	0.2312633027	-1.0405630355
## CountryGeorgia	5.549566e-01	0.163476611	-0.5413005995	-1.1510694873
## CountryGermany	1.183846e+00	0.216742832	-0.6326334242	-1.0389258792
## CountryGreece	3.575427e-01	-0.264291216	-1.0903958206	-0.3688956619
## CountryHungary	5.347770e-01	0.493493264	-0.4558868369	-1.0021615649
## CountryIsrael	1.397292e+00	0.532010311	-0.7359590927	-0.8027355822
## CountryItaly	8.383150e-01	0.842929085	-0.7333464051	-1.0001892894
## CountryLebanon	6.697280e+00	6.243587671	18.0762072931	20.8614326918
## CountryLuxembourg	-5.938381e-01	0.322060923	1.4445181171	-1.0077078463
## CountryMexico	-2.519242e+00	0.023333448	2.5622565653	-1.1609010854
## CountryMoldova	6.023990e-01	0.244710298	-0.3340295264	-0.5431997695
## CountryNew Zealand	1.322595e+00	1.359458112	-0.7303170097	0.3949897982
## CountryPortugal	7.130685e-01	0.211997623	-0.1680060139	-0.4787029241
## CountryRomania	4.489678e-01	0.001050712	-0.4903477991	-0.8154925178

## CountrySlovakia	9.633810e-01	0.351083350	-0.5049483305	-1.2632876046
## CountrySlovenia	6.858197e-01	0.953480705	-0.4581924355	-1.0735262004
## CountrySouth Africa	7.802843e-01	0.471000483	-0.4240580629	-0.7152030249
## CountrySpain	3.591564e-01	0.232429720	0.0110734714	-0.4444252456
## CountrySwitzerland	-1.868659e+01	4.130116179	-6.3776313215	7.0401251556
## CountryTurkey	1.017522e+00	-0.225908374	-0.6684088874	-1.1818774183
## CountryUnited Kingdom	-3.104759e+00	-7.302681575	8.5126435699	-5.0209673722
## CountryUnited States	-4.367780e-01	1.237458043	0.3043535969	-0.3553387640
## CountryUruguay	8.559360e-01	1.226564750	-1.3312331413	0.2277658547
## Rating	1.702116e-01	-0.016986832	-0.0891402078	-0.5188529404
## NumberOfRatings	-2.110275e-04	-0.000324505	0.0000140705	-0.0003870169
## Year2001	-2.291817e-01	0.012321450	0.0958758561	0.2459653927
## Year2002	6.670059e-02	-0.052019522	-0.9751487490	-0.9535082686
## Year2003	2.839636e-01	0.121858062	1.2209598344	0.9508482863
## Year2004	1.909498e-01	0.538644722	1.6935914295	-2.1421854339
## Year2005	1.265810e-01	0.098812968	-0.1169116813	0.5693519433
## Year2006	1.455119e-01	-0.052522546	0.1650778505	0.0459154626
## Year2007	5.652217e-01	-0.239343798	-0.2501926773	0.2409611222
## Year2008	-3.291517e-01	0.098783779	-0.0728029069	-0.5376686348
## Year2009	-6.594608e-01	-0.452590399	0.6967302603	0.2900299294
## Year2010	-4.167260e-01	-0.377129790	0.6612898611	0.0932668786
## Year2011	-6.220501e-01	0.306376950	0.5677548780	-0.6056687037
## Year2012	-5.506219e-01	-2.339924649	0.5436896346	0.4149475824
## Year2013	6.517525e-01	-1.009463360	1.6639878840	-0.9582882013
## Year2014	9.113939e-02	0.745759328	-0.3636708824	-0.2823076382
## Year2015	-3.152383e-01	-0.005358926	0.2678727128	-0.4965508481
## Year2016	-3.940087e-01	-0.180561629	0.2927299423	-0.5961095975
## Year2017	-4.267047e-01	-0.787482908	0.5917415901	-0.5501391985
## Year2018	-4.582777e-01	-0.554296041	0.8359812378	-0.3023547784
## Year2019	-8.350482e-01	-0.811376273	0.9448138369	-0.2095984799
## Year2020	-7.994892e-01	-0.770361963	0.8412857236	-0.0585789558
##	LD25	LD26	LD27	LD28
## CountryAustralia	-2.0423464133	0.3797083445	-2.213634e+00	0.2404979161
## CountryAustria	-1.0120992310	1.7777525301	-2.268788e+00	-0.9712618588
## CountryBrazil	-1.7884748260	0.1101723218	-7.855873e-01	2.1698996137
## CountryBulgaria	-0.3619372571	4.6853611570	-2.365188e+00	3.0907434757
## CountryCanada	-2.3339063035	-0.7487179509	5.640851e-02	0.7125408531
## CountryChile	-0.8682388005	0.0850688929	-4.103467e-01	1.1574855205
## CountryChina	-0.6983096548	-0.2045359203	-2.013317e+00	1.0445912697
## CountryCroatia	-1.3494564925	1.5589434740	-1.522020e+00	1.0311282009
## CountryCzech Republic	-0.7616717897	1.0801115428	-8.975099e-01	0.5539886403
## CountryFrance	-1.1117152401	0.6731121333	-1.686706e+00	0.6517353685
## CountryGeorgia	-1.6728889990	0.2138805797	-4.383363e-01	-0.0904049502
## CountryGermany	-1.8841709716	-0.4437168891	-6.793740e-01	2.4656693275
## CountryGreece	-1.4919993566	0.1882890022	-8.452521e-01	0.3626927020
## CountryHungary	-1.0814447038	0.0501332107	-1.056672e+00	-0.0912679662
## CountryIsrael	-1.0757325847	-0.3694037769	-2.798622e-01	-0.7863749058
## CountryItaly	-1.4327229900	0.3719644382	-2.349984e+00	0.1584019383
## CountryLebanon	-8.6830688120	0.7262709171	-6.149325e+00	0.5877778804
## CountryLuxembourg	-1.5778156003	-0.7602042202	5.413659e-01	0.9777418695
## CountryMexico	2.9309413013	4.8554665487	-1.094882e+01	22.1040839513
## CountryMoldova	-0.7397042547	0.3970609062	-1.400409e+00	0.6538612909
## CountryNew Zealand	-1.0191555759	1.3480907980	3.732674e+00	-2.7730840446
## CountryPortugal	-0.1473830837	-0.5480411229	-8.953390e-01	-0.3840325509

## CountryRomania	-1.7760172155	0.3376761529	-1.381713e+00	1.1272598362
## CountrySlovakia	-1.7910883432	0.5986139477	-7.220266e-01	0.2245550727
## CountrySlovenia	-1.8377458154	0.9353136698	1.714372e-01	0.1870617274
## CountrySouth Africa	-1.4121701204	-0.1779875311	-6.276055e-01	0.5395006836
## CountrySpain	-0.6635793584	0.2381962639	-6.051250e-01	-0.0799170172
## CountrySwitzerland	-3.0848381209	-1.4704163462	-8.305957e-01	3.2467166749
## CountryTurkey	-1.5855136838	-0.6464431893	-1.239930e+00	2.8539307847
## CountryUnited Kingdom	2.2683742972	-7.6371918715	-3.369799e+00	8.0465778239
## CountryUnited States	-1.3097294304	0.1454878385	-2.169099e+00	0.8357152324
## CountryUruguay	-0.5239785033	1.4336209176	-7.148564e-01	2.7617883805
## Rating	0.4668251896	-0.2942654109	-4.573369e-01	-0.6449640030
## NumberOfRatings	-0.0012015266	0.0001260763	2.974202e-04	-0.0001143734
## Year2001	0.0328752727	-1.5490728605	-4.429648e-01	-0.5097803065
## Year2002	0.9051703090	-0.3004376169	-2.501590e-01	-0.0492068749
## Year2003	-0.6393550109	-0.1341946079	-3.195302e-01	-1.6254455356
## Year2004	-0.4488821497	-0.4902709117	6.316455e-01	-0.0587266996
## Year2005	-0.6049541866	0.0487459295	-4.298451e-01	-0.2546189989
## Year2006	-0.0086526196	-0.3344362336	-5.500296e-02	0.0129862036
## Year2007	-0.3538756363	-0.3310997308	-2.659167e-01	-0.4340142022
## Year2008	-0.5183884764	-0.1749100731	-3.000372e-02	-0.6021532991
## Year2009	0.2430052481	-0.3101020313	1.016897e-01	-0.0778566088
## Year2010	0.1346998724	-0.1027970020	9.109049e-02	-0.0428586351
## Year2011	-0.1070419647	-0.1206400377	-6.530992e-02	-0.2783938728
## Year2012	0.9304247041	-0.6699457460	5.970996e-01	0.5991800111
## Year2013	-0.4015896496	-0.1598726936	3.101115e-01	0.2201708780
## Year2014	-0.1104027788	2.6024507634	2.932734e-01	0.6869556191
## Year2015	-0.3635564924	-1.5474942673	-3.496675e-01	-0.6162024163
## Year2016	-0.3845006350	-0.2122708329	-3.211987e-01	-0.8860931392
## Year2017	-0.5138971891	-0.0586098287	-2.685562e-01	0.1259396319
## Year2018	-0.2874562497	0.1283177776	-2.228236e-01	0.0852534384
## Year2019	-0.3766668863	0.3996659231	-8.825488e-01	0.2579558723
## Year2020	0.0000607911	0.5990935526	-2.086469e+00	0.3292219896
##	LD29	LD30	LD31	LD32
## CountryAustralia	2.7260161506	-1.0209095881	4.821030e-01	2.251155e+00
## CountryAustria	1.9595360175	-0.6264299841	5.838120e-01	2.510992e+00
## CountryBrazil	2.6077439038	-1.2519670316	1.055499e+00	1.321495e+00
## CountryBulgaria	3.9756118834	-4.9832368254	1.047666e+00	-2.396382e-01
## CountryCanada	3.0886741229	0.8074330420	7.549165e-01	4.989103e+00
## CountryChile	1.3274358270	-0.8665828228	1.776227e+00	1.106341e+00
## CountryChina	1.2724080872	-1.5855397369	-1.643746e-01	2.408522e+00
## CountryCroatia	2.5968302547	-1.2915825391	3.947215e-01	2.589246e+00
## CountryCzech Republic	1.8335185290	-0.4717338194	2.126995e-01	2.739808e+00
## CountryFrance	2.7353772529	-1.8159284481	3.282168e-01	2.430470e+00
## CountryGeorgia	2.6625071691	-0.9992086903	-4.281850e-01	3.064516e+00
## CountryGermany	2.6063936546	-2.0785713521	-1.300376e-01	2.202244e+00
## CountryGreece	2.3236293284	-1.4280505679	1.309508e-01	2.040039e+00
## CountryHungary	2.4923778886	-1.6285479710	5.622956e-01	1.572685e+00
## CountryIsrael	0.9035380982	-0.0593566567	1.292783e+00	8.308560e-01
## CountryItaly	2.8187126476	-1.3055434857	2.519023e-01	2.082818e+00
## CountryLebanon	1.3508106565	-1.5408187430	-8.322850e-01	-7.343747e-02
## CountryLuxembourg	1.6782574290	-0.7508890497	7.095702e-01	3.225629e+00
## CountryMexico	-1.1856542058	11.0981363078	7.609385e+01	-2.679348e+01
## CountryMoldova	2.4298617876	-1.2407152352	2.184667e-01	2.267088e+00
## CountryNew Zealand	7.4875543941	-1.8834923912	3.259516e+00	2.868952e+00

## CountryPortugal	1.5215049807	-1.7051678059	-4.256759e-02	8.816991e-01
## CountryRomania	3.0021457124	-1.4626657010	4.343002e-01	2.436015e+00
## CountrySlovakia	3.0417069681	-2.1153589904	5.321732e-01	2.338275e+00
## CountrySlovenia	3.6951364124	-1.6184917351	7.162844e-01	2.332296e+00
## CountrySouth Africa	2.2483877466	-1.3768968456	5.055906e-03	2.628919e+00
## CountrySpain	2.2688484386	-1.1459318769	-5.706753e-01	2.577989e+00
## CountrySwitzerland	2.4652279004	-1.2498382248	-1.801736e-01	2.579836e+00
## CountryTurkey	2.5112902432	-2.0178496675	-8.233569e-02	3.114669e+00
## CountryUnited Kingdom	34.6268634579	29.5022525508	-1.674822e+01	-2.285708e+01
## CountryUnited States	3.3925461550	-2.0258474690	5.081748e-01	2.331624e+00
## CountryUruguay	1.9068754220	-1.2309485951	4.855440e-01	1.138673e+00
## Rating	-1.0026426266	0.3830329058	-2.303386e-03	-1.175410e+00
## NumberOfRatings	-0.0001068043	0.0001047689	-2.678919e-05	-1.141747e-05
## Year2001	0.0403206286	0.1846596739	4.567226e-01	-1.432015e-01
## Year2002	0.0483839880	-0.0262756306	2.468185e-01	-1.930035e-01
## Year2003	-0.3316071629	0.9807390093	4.393917e-01	2.106050e-01
## Year2004	-0.3136253199	-0.1474133892	1.633068e-01	-1.881099e-01
## Year2005	-0.0500432329	0.2585070325	7.118107e-02	-2.430181e-01
## Year2006	-0.0968103219	0.1199408796	1.685257e-01	8.651283e-02
## Year2007	-0.3971055115	0.2603427483	-2.634749e-02	-3.803140e-01
## Year2008	-0.2125009082	0.0957845956	9.877083e-02	1.837203e-02
## Year2009	0.2103959556	-0.1638629718	1.728515e-01	3.846758e-01
## Year2010	0.0281305516	-0.1263591993	2.359035e-01	-2.861659e-02
## Year2011	0.0205011973	-0.3462766000	3.554020e-01	4.350124e-01
## Year2012	0.0942502815	-0.8849301206	1.437035e-01	4.394985e-02
## Year2013	-0.5569433116	-0.1129149900	2.472000e-01	7.078868e-01
## Year2014	-0.6354031209	0.7988687708	-3.874958e-01	1.781259e-01
## Year2015	-0.4215115281	1.0248269188	5.523815e-01	1.021192e+00
## Year2016	-0.2288931792	-1.2514747350	-1.015284e-01	-1.036458e+00
## Year2017	0.3161083421	-0.1392778393	1.908404e-03	-2.549369e-01
## Year2018	0.2626192190	-0.3523758346	2.908266e-01	6.519519e-01
## Year2019	-0.1530097065	0.1192125174	3.417792e-01	8.832336e-01
## Year2020	0.3443875056	-0.0927249165	4.485203e-01	6.452897e-01
##	LD33	LD34	LD35	LD36
## CountryAustralia	3.744215e+00	2.477553e+00	-2.153662e+00	3.537625e-01
## CountryAustria	3.775994e+00	2.612493e+00	-2.563381e+00	-9.096660e-02
## CountryBrazil	2.845203e+00	4.135509e+00	-4.370448e+00	2.993817e+00
## CountryBulgaria	4.180474e-01	3.198929e+00	-3.472771e+00	-1.645557e+00
## CountryCanada	4.018690e+00	2.688647e+00	-1.408984e+00	-2.569139e-01
## CountryChile	3.192034e+00	3.987619e+00	-4.543883e+00	2.933383e+00
## CountryChina	3.598024e+00	-2.327185e-01	-3.379642e+00	-1.738850e+00
## CountryCroatia	3.588530e+00	2.813357e+00	-2.013706e+00	1.117492e+00
## CountryCzech Republic	4.425629e+00	2.986823e+00	-2.925133e+00	9.137310e-01
## CountryFrance	3.358475e+00	2.449536e+00	-1.601772e+00	3.443633e-01
## CountryGeorgia	5.315093e+00	2.434124e+00	-6.749225e-01	-5.610153e-01
## CountryGermany	3.553528e+00	2.079354e+00	-1.417282e+00	7.494943e-02
## CountryGreece	3.823354e+00	2.572197e+00	-2.054280e+00	-5.555578e-01
## CountryHungary	3.936036e+00	4.319679e+00	-2.351988e+00	4.522354e-01
## CountryIsrael	1.543461e+00	6.015599e+00	-1.113360e+00	-1.796762e+00
## CountryItaly	3.408997e+00	2.310131e+00	-1.475327e+00	4.663534e-01
## CountryLebanon	3.871722e+00	2.951906e+00	-1.915133e+00	1.329916e+00
## CountryLuxembourg	3.403366e+00	2.324579e+00	-2.744693e+00	-7.055641e-01
## CountryMexico	4.528590e+01	-1.792842e+01	1.717669e+01	-2.020216e+01
## CountryMoldova	3.647754e+00	2.401033e+00	-1.624871e+00	4.314339e-01

## CountryNew Zealand	1.892989e+00	2.246351e+00	-1.032288e+00	3.959107e-01
## CountryPortugal	3.942482e+00	6.815293e+00	-4.651335e-01	-2.481257e+00
## CountryRomania	3.020835e+00	2.608388e+00	-1.799296e+00	2.020628e-01
## CountrySlovakia	3.541741e+00	2.278431e+00	-2.662048e+00	-9.915746e-01
## CountrySlovenia	3.937326e+00	2.639444e+00	-1.789478e+00	1.687117e+00
## CountrySouth Africa	3.917121e+00	1.901207e+00	-2.825381e+00	-1.327648e+00
## CountrySpain	5.353921e+00	1.909875e+00	-1.209133e+00	1.036033e+00
## CountrySwitzerland	4.211949e+00	3.349318e+00	-2.344397e+00	-1.013508e-01
## CountryTurkey	3.126144e+00	1.897742e+00	-2.052211e+00	-1.220873e+00
## CountryUnited Kingdom	7.019601e+00	8.449870e-02	-1.469129e+01	-7.021739e+00
## CountryUnited States	3.398690e+00	2.778629e+00	-1.460991e+00	3.412251e-01
## CountryUruguay	2.478028e+00	2.606571e+00	-2.618838e+00	1.325795e+00
## Rating	-3.294646e-01	-1.538465e+00	-1.789224e-01	7.256485e-01
## NumberOfRatings	8.018664e-05	5.756814e-05	1.018164e-05	-1.450916e-04
## Year2001	-2.098928e-01	2.343447e-01	-5.632688e-02	4.483992e-01
## Year2002	-2.058142e-01	8.550272e-02	-7.946604e-02	3.581789e-01
## Year2003	1.156258e-01	1.311117e-01	-5.031541e-01	2.794058e-01
## Year2004	-1.344795e-01	1.494745e-01	-3.066982e-01	-1.395298e-01
## Year2005	-9.690054e-03	2.234468e-01	-2.941006e-02	1.310017e-01
## Year2006	3.068863e-02	9.766125e-03	-3.219089e-01	2.498181e-01
## Year2007	1.628999e-01	2.378647e-03	-3.041621e-01	2.152191e-01
## Year2008	-1.976621e-02	-3.121398e-02	2.925718e-01	1.138728e-02
## Year2009	1.137378e-01	-5.757021e-01	-4.467242e-01	2.578006e-01
## Year2010	6.186397e-02	3.265727e-01	-3.571601e-01	2.538475e-01
## Year2011	1.059335e-01	2.852699e-01	-1.980056e-01	7.018881e-02
## Year2012	4.851109e-02	7.127016e-02	-2.518874e-01	3.413068e-01
## Year2013	7.188831e-02	-1.097760e-02	-2.952855e-01	1.736633e-01
## Year2014	2.299164e-01	3.962785e-01	-1.658386e-01	-1.487143e-01
## Year2015	-5.477432e-02	8.785437e-02	-6.420154e-02	2.718592e-01
## Year2016	3.386252e-01	-4.517884e-01	-7.153488e-01	8.051154e-02
## Year2017	2.599301e-02	5.521414e-01	1.059694e+00	1.065066e+00
## Year2018	-2.887064e-01	1.612811e-01	-4.410911e-01	-2.475639e-01
## Year2019	-3.348794e-01	-3.971257e-01	-4.249229e-01	7.099983e-02
## Year2020	-1.254677e+00	-3.811424e-02	7.586371e-01	1.186941e+00
##	LD37	LD38	LD39	LD40
## CountryAustralia	0.212826790	-6.227119e-01	9.507412e-02	5.060424e-01
## CountryAustria	0.169738072	-7.016823e-01	9.432726e-02	4.583733e-01
## CountryBrazil	-2.544159613	-2.008363e+00	8.538356e+00	-1.221508e+01
## CountryBulgaria	-0.592920385	-9.503694e-01	1.762957e-01	8.300857e-01
## CountryCanada	-2.959061243	-5.807442e-01	2.182911e+00	-2.805822e+00
## CountryChile	0.063175820	-4.334296e-01	-5.081786e-01	1.791978e+00
## CountryChina	-4.489667758	-3.387415e+00	3.486702e+00	1.179767e+00
## CountryCroatia	-0.516971390	-4.143016e-01	-4.081947e-01	1.182895e+00
## CountryCzech Republic	-1.133094321	7.466988e-01	-2.133621e+00	4.470674e-01
## CountryFrance	0.015940009	-8.202716e-01	1.776434e-01	4.745052e-01
## CountryGeorgia	-2.583425561	-9.879500e-01	1.016950e+00	-4.556822e-01
## CountryGermany	0.972397380	-1.017863e+00	1.972278e-01	8.618934e-01
## CountryGreece	-0.086095365	-1.901261e+00	3.268197e-01	1.083551e+00
## CountryHungary	0.165482530	-1.130573e+00	-3.481002e-01	5.001938e-01
## CountryIsrael	-0.400363894	-1.966467e+01	-9.386373e+00	-3.527487e+00
## CountryItaly	0.009482909	-7.401988e-01	9.887819e-02	6.008128e-01
## CountryLebanon	-0.384790092	-9.799529e-01	1.102907e-01	2.867834e-01
## CountryLuxembourg	0.800175261	-1.097826e+00	5.523001e-01	6.983422e-01
## CountryMexico	-0.790479919	9.215978e-01	-1.570661e+00	-5.147596e+00

## CountryMoldova	-0.032980391	-1.074038e+00	5.471800e-01	8.742497e-01
## CountryNew Zealand	0.557782675	-8.846342e-01	8.320920e-01	1.112205e+00
## CountryPortugal	1.050025269	-1.609977e-01	1.417331e+00	9.401585e-01
## CountryRomania	-0.613197650	-1.202043e+00	9.557810e-02	3.876404e-01
## CountrySlovakia	-1.094473599	-8.045513e-01	4.883791e-01	1.572224e+00
## CountrySlovenia	-0.387471290	-8.914064e-01	-2.942458e-01	8.452095e-01
## CountrySouth Africa	-2.743518643	-7.981936e-01	2.374030e-01	1.159398e+00
## CountrySpain	0.327405853	-9.114157e-01	7.907060e-03	2.873880e-01
## CountrySwitzerland	-0.196738293	-8.312254e-01	-1.482690e-01	4.669202e-01
## CountryTurkey	0.530644538	-1.216053e+00	1.477027e+00	-7.922671e-01
## CountryUnited Kingdom	4.547358575	-1.116829e+00	-2.526258e-01	5.388987e-01
## CountryUnited States	-0.062354292	-7.970515e-01	1.878278e-01	5.734677e-01
## CountryUruguay	0.721715033	-6.060345e-01	2.821358e-01	2.615606e+00
## Rating	-1.532339490	-2.571361e-01	-8.644560e-01	-3.063441e+00
## NumberOfRatings	0.000127968	1.840962e-05	2.481965e-06	-3.116813e-05
## Year2001	0.135216215	6.820221e-03	6.048927e-02	1.955138e-02
## Year2002	0.282992139	2.631846e-02	5.199034e-02	1.259834e-01
## Year2003	-0.404975855	1.712601e-01	-1.001491e-01	-1.291441e-01
## Year2004	0.103450617	-5.463549e-02	2.059797e-01	-2.511418e-03
## Year2005	-0.034784122	9.712662e-02	-2.317697e-01	2.952936e-01
## Year2006	0.065066682	8.504663e-03	-3.526688e-02	-2.536461e-02
## Year2007	-0.243351112	7.106436e-02	-2.085958e-01	8.892162e-02
## Year2008	0.077343867	3.985054e-02	-2.497776e-01	4.307856e-01
## Year2009	0.050421713	-9.569493e-02	-4.590961e-01	3.066723e-01
## Year2010	-0.036022807	-1.533340e-02	6.835546e-02	-7.225558e-02
## Year2011	0.038837595	-4.243269e-02	-5.701562e-03	-1.651197e-03
## Year2012	0.235676453	-7.507514e-02	2.446179e-02	-1.135179e-01
## Year2013	0.188228492	1.785065e-01	1.154725e-01	1.854805e-02
## Year2014	0.303059168	9.284255e-02	-1.022674e-03	8.650100e-03
## Year2015	0.497222841	1.371834e-01	3.755327e-02	-1.095336e-01
## Year2016	0.415059951	-7.661765e-02	9.725024e-02	9.651498e-04
## Year2017	-0.843236440	6.320527e-03	6.220952e-02	1.995377e-01
## Year2018	0.354148384	6.035990e-01	-8.756913e-01	-7.518852e-01
## Year2019	1.027732724	-1.416232e+00	1.949208e+00	1.059368e+00
## Year2020	3.797940813	-7.199049e-01	1.218555e+00	5.117910e-01
##	LD41	LD42	LD43	LD44
## CountryAustralia	-3.799660e-01	-3.389648e-02	-1.700600e-01	-1.542126e-01
## CountryAustria	-5.405581e-02	-4.524364e-02	-2.183519e-01	-1.545490e-01
## CountryBrazil	1.294322e-01	-7.407283e-01	-6.150010e-01	-5.697922e-01
## CountryBulgaria	-3.380420e-01	3.010329e-01	-3.057875e-01	-1.876461e-02
## CountryCanada	-7.592583e-02	8.324533e+00	2.455216e-01	-8.650139e-01
## CountryChile	-4.876598e-01	1.815630e-01	-1.108508e-01	-7.625174e-02
## CountryChina	-3.402274e+01	-5.472846e+00	4.143745e+01	-5.309424e+00
## CountryCroatia	-3.548259e-01	-4.205503e-01	-7.400503e-01	1.714211e+00
## CountryCzech Republic	6.275217e-03	-9.069380e-01	-7.034125e-01	7.490528e+00
## CountryFrance	-3.083287e-01	-6.667633e-02	-2.817609e-01	-1.067220e-01
## CountryGeorgia	-2.862325e-01	2.947729e+01	3.315430e+00	1.218431e+00
## CountryGermany	-3.103167e-01	8.366817e-03	-3.297839e-01	-2.868880e-01
## CountryGreece	6.394178e-02	-8.797062e-01	-7.211900e-01	1.572092e+01
## CountryHungary	-8.718135e-01	-4.936104e-01	-4.641790e-01	5.084889e+00
## CountryIsrael	7.122222e-01	-9.469450e-02	3.123280e-01	-9.971910e-01
## CountryItaly	-3.025544e-01	-7.190729e-02	-2.187514e-01	-7.427691e-02
## CountryLebanon	-4.225866e-01	1.510964e-01	-2.465483e-02	1.872317e-01
## CountryLuxembourg	-2.935694e-01	3.437897e-04	-2.390493e-01	-1.042623e-02

## CountryMexico	1.342073e+00	-9.771879e-01	2.283996e-01	-2.733706e-02
## CountryMoldova	-2.512381e-01	-5.987478e-02	-2.417311e-01	-4.537885e-02
## CountryNew Zealand	-5.662746e-01	-1.429853e-01	-1.893993e-01	-1.748717e-01
## CountryPortugal	-7.363403e-01	-1.096919e-01	-3.654811e-01	-2.161451e-01
## CountryRomania	1.511418e-01	-4.540717e-01	2.210422e-01	3.033816e+00
## CountrySlovakia	-2.538303e-01	-6.074441e-01	-9.504706e-01	1.098446e+00
## CountrySlovenia	-1.074421e+00	3.416407e-01	-8.435367e-01	3.042032e+00
## CountrySouth Africa	-1.118111e-01	-3.247030e-01	-5.531859e-01	-2.618044e-01
## CountrySpain	-3.324315e-01	-2.128383e-01	-1.578351e-01	-8.116990e-02
## CountrySwitzerland	-3.546035e-01	2.759802e-02	-1.186323e-01	-2.028752e-01
## CountryTurkey	-2.634310e-01	-1.512205e+00	6.953145e+00	1.693736e+01
## CountryUnited Kingdom	-3.938670e-01	3.866209e-01	-8.507240e-02	9.504695e-04
## CountryUnited States	-3.929174e-01	-2.295411e-02	-1.641070e-01	6.780413e-03
## CountryUruguay	-6.826250e-01	1.948369e-01	-7.691295e-01	-4.016560e+00
## Rating	-1.885104e+01	1.077673e+00	-1.045213e+01	1.460417e+00
## NumberOfRatings	-2.677471e-05	-2.077857e-05	-9.279174e-06	-1.126292e-05
## Year2001	-2.636615e-02	3.018385e-02	5.728317e-02	4.353119e-02
## Year2002	1.613338e-02	5.243562e-02	2.599279e-02	-7.103022e-03
## Year2003	-9.869273e-03	-1.283342e-03	-9.877318e-02	-2.575715e-01
## Year2004	3.343020e-02	-8.436698e-03	-1.408685e-02	5.445629e-03
## Year2005	-4.467396e-02	3.926365e-02	7.232403e-02	1.703381e-02
## Year2006	2.435657e-03	2.071692e-02	1.818629e-02	5.225657e-03
## Year2007	-1.742880e-01	4.646123e-02	-1.000016e-01	-4.025448e-02
## Year2008	-2.084049e-02	3.944187e-02	7.116191e-02	-7.826281e-03
## Year2009	4.614987e-02	1.849518e-02	2.985732e-02	2.238680e-02
## Year2010	-2.660734e-02	5.018379e-02	-3.198550e-02	1.712961e-02
## Year2011	-3.000526e-02	-1.114476e-01	-1.651692e-02	3.095250e-02
## Year2012	8.226686e-02	-5.327094e-04	-1.609952e-01	-1.285087e-01
## Year2013	-1.242398e-02	4.146520e-02	-2.362414e-02	1.706628e-02
## Year2014	-1.225422e-02	-6.397148e-02	-3.871710e-02	-5.853380e-02
## Year2015	2.023899e-02	-1.296873e-01	-3.396162e-02	-7.932887e-02
## Year2016	7.745988e-02	2.091312e-02	-2.185264e-02	-7.058501e-02
## Year2017	-1.260209e-02	-8.573479e-02	-4.929551e-02	-5.457592e-02
## Year2018	-1.556140e-01	1.895684e-02	4.677963e-03	-6.160876e-02
## Year2019	-3.013846e-01	1.266183e-01	-3.405866e-01	-3.620518e-02
## Year2020	1.034438e+00	2.513284e-01	9.613670e-01	-5.343234e-01
##	LD45	LD46	LD47	LD48
## CountryAustralia	-2.986679e-02	1.704736e-01	-2.614813e-02	9.185591e-03
## CountryAustria	-9.806913e-02	9.161990e-02	7.398196e-02	1.336119e-01
## CountryBrazil	-6.538418e-01	-5.004966e-01	3.511740e-01	-1.395558e-02
## CountryBulgaria	-8.946856e-02	3.177080e-02	-3.503531e-02	1.113909e-02
## CountryCanada	-9.438693e-01	3.492165e-01	-8.592869e-02	1.792454e-01
## CountryChile	-3.597234e-01	4.471503e-01	-2.168750e-01	2.168116e-01
## CountryChina	-3.937897e+00	-7.735883e+00	4.445727e-01	-4.087633e-01
## CountryCroatia	-1.660497e+00	-8.841537e-01	8.010243e+00	-2.571264e+01
## CountryCzech Republic	-6.817053e+00	-4.163772e+00	7.728473e+00	-4.536751e+01
## CountryFrance	-1.826708e-01	1.595620e-01	4.757150e-02	1.169084e-01
## CountryGeorgia	-4.867079e-01	9.964395e-02	2.563979e-01	-3.460167e-01
## CountryGermany	-2.269881e-01	-1.891793e-02	-3.072450e-02	1.131414e-02
## CountryGreece	-1.063610e+01	-8.114435e+00	8.784481e-01	3.756520e+00
## CountryHungary	1.221560e+01	-6.596434e+00	1.863970e+00	-6.001110e+00
## CountryIsrael	-1.684302e-01	6.218778e-01	1.820032e-01	2.118374e-02
## CountryItaly	-1.763505e-01	1.710698e-01	6.596589e-02	1.096955e-01
## CountryLebanon	-1.309919e-01	1.057368e-01	1.196388e-01	6.945829e-02

## CountryLuxembourg	-8.201488e-02	5.795364e-02	8.796063e-02	2.878197e-02
## CountryMexico	3.543654e-01	-2.860897e-01	3.896534e-01	-6.985024e-02
## CountryMoldova	-1.222281e-01	1.441498e-01	5.199337e-02	7.770407e-02
## CountryNew Zealand	-4.615152e-01	5.472072e-01	1.831386e-02	-5.385844e-02
## CountryPortugal	-2.037007e-01	2.619912e-01	7.298859e-02	1.135573e-01
## CountryRomania	8.662813e-01	1.575948e+00	-2.148866e-02	4.966356e-02
## CountrySlovakia	3.652361e+00	-1.115240e+00	2.312954e-01	-2.785866e+00
## CountrySlovenia	1.581055e+01	-1.244847e+01	1.234895e+00	5.840276e+00
## CountrySouth Africa	-9.381492e-02	2.158239e-01	4.112603e-02	1.139655e-01
## CountrySpain	-1.954603e-01	2.525827e-01	8.974152e-02	9.535311e-02
## CountrySwitzerland	4.256995e-02	1.797928e-01	8.245973e-02	-1.065728e-02
## CountryTurkey	9.622354e+00	2.133721e+01	1.426267e-01	9.592001e-01
## CountryUnited Kingdom	-1.516323e-02	8.442722e-02	8.737836e-02	-5.196829e-02
## CountryUnited States	-9.939980e-02	1.280385e-01	-1.195382e-01	5.344724e-02
## CountryUruguay	-1.785856e+00	4.183552e+00	5.159711e+01	1.012681e+01
## Rating	8.229127e-02	2.185087e+00	-2.627043e-01	1.387128e-01
## NumberOfRatings	4.690918e-06	1.029288e-05	-2.999564e-06	-1.423983e-05
## Year2001	-1.059152e-02	4.196559e-03	1.596572e-02	-7.547994e-03
## Year2002	-9.709956e-03	5.445030e-03	-2.814882e-02	1.661070e-02
## Year2003	-1.934290e-01	-3.631631e-01	5.037297e-02	1.041303e-02
## Year2004	-2.755063e-02	8.489264e-03	-1.286776e-02	7.092215e-03
## Year2005	5.735623e-02	5.930341e-02	-6.956050e-03	-1.960491e-02
## Year2006	-1.279657e-02	1.252504e-03	-4.448677e-03	5.634003e-03
## Year2007	-4.178115e-02	-7.639781e-02	1.115682e-02	-1.911348e-03
## Year2008	5.072527e-02	9.128116e-02	-2.865563e-03	2.966997e-02
## Year2009	-1.759610e-02	-8.386205e-02	-3.829660e-03	5.349138e-02
## Year2010	-3.080562e-02	1.615057e-02	-6.940399e-03	8.853958e-03
## Year2011	-3.349474e-02	5.394524e-03	1.477905e-03	2.616847e-02
## Year2012	5.863008e-02	3.361900e-02	-5.604943e-02	7.046950e-03
## Year2013	-3.686589e-02	-5.839502e-02	1.627431e-02	4.432844e-02
## Year2014	1.694892e-02	6.661065e-02	-1.687775e-01	8.459452e-02
## Year2015	-2.300074e-02	3.376516e-02	-3.654206e-03	7.370502e-02
## Year2016	1.286818e-02	9.574168e-02	-4.507374e-02	4.130395e-02
## Year2017	-1.054122e-01	8.319939e-02	-3.886837e-03	3.745941e-02
## Year2018	-9.165786e-02	-1.085246e-02	-1.866367e-02	4.808615e-02
## Year2019	3.831948e-02	5.346899e-02	-2.822371e-02	-5.356962e-02
## Year2020	-3.448772e-01	-1.138597e-01	-2.338738e-01	-1.851089e-01
##	LD49	LD50	LD51	LD52
## CountryAustralia	-2.323508e-02	-1.364439e-02	-1.183003e-02	-1.998889e-02
## CountryAustria	-7.553480e-02	-2.509549e-02	-7.026611e-03	-1.759392e-02
## CountryBrazil	-5.966456e-02	-1.751690e-01	6.282562e-01	-3.113744e-02
## CountryBulgaria	-3.879509e-03	-3.983015e-02	-3.856036e-02	2.228085e-02
## CountryCanada	7.636501e-01	-3.001950e+00	-8.527442e+01	2.601255e+01
## CountryChile	-6.784675e-02	-5.204254e-02	-1.337347e-02	2.966698e-02
## CountryChina	8.256861e-01	1.354693e+00	-1.862588e-01	-1.954683e-01
## CountryCroatia	-8.265538e+00	1.721964e+00	-9.527728e-01	-2.238859e+00
## CountryCzech Republic	-1.883114e+01	-1.376362e+00	9.445066e-01	3.612080e+00
## CountryFrance	1.497101e-02	-1.764882e-02	1.085970e-02	-3.360616e-02
## CountryGeorgia	4.797838e-01	3.690488e-01	2.550799e+00	-7.684332e-01
## CountryGermany	2.657727e-02	-4.756081e-02	1.872010e-03	-3.336019e-02
## CountryGreece	6.024103e-01	-1.430093e+00	1.175142e-01	5.948353e-01
## CountryHungary	1.647119e+01	-3.001013e+00	-8.241539e-01	-2.831959e+00
## CountryIsrael	-5.024630e-01	-2.863007e-01	5.493170e-02	2.406014e-01
## CountryItaly	-3.014337e-02	-4.405854e-02	1.225625e-02	-1.784904e-02

## CountryLebanon	-6.787403e-02	4.172415e-02	-1.868567e-02	3.909762e-02
## CountryLuxembourg	-2.704892e-02	8.856544e-02	5.681759e-03	-5.250638e-02
## CountryMexico	-4.400869e-02	2.745469e-01	4.512722e-02	-1.461833e-01
## CountryMoldova	-8.066841e-04	3.709996e-02	-2.759620e-03	-4.596180e-02
## CountryNew Zealand	1.511986e-01	-1.240325e-01	5.884640e-02	-1.357162e-01
## CountryPortugal	-3.593999e-01	9.975121e-02	-2.041191e-02	-9.821181e-03
## CountryRomania	5.381921e-01	1.496702e+01	-2.093963e+00	-5.114234e+00
## CountrySlovakia	1.017742e+01	2.115199e+01	1.649101e+01	5.629167e+01
## CountrySlovenia	-1.545114e+01	5.468643e-01	1.279180e-01	1.307837e+00
## CountrySouth Africa	-1.687347e-02	-1.377714e-01	6.983389e-02	-1.157027e-01
## CountrySpain	1.381214e-02	4.197080e-02	1.440170e-02	-1.981445e-02
## CountrySwitzerland	-4.758196e-02	-6.645005e-02	1.635612e-02	2.324576e-02
## CountryTurkey	-3.918113e+00	-5.327550e+00	6.140311e-01	2.011485e+00
## CountryUnited Kingdom	-1.613954e-01	1.692158e-02	-2.639647e-02	4.376702e-02
## CountryUnited States	1.009736e-02	-1.270576e-02	3.299893e-02	-2.269264e-02
## CountryUruguay	2.058015e+00	5.830943e-01	-1.785684e-02	1.687805e-01
## Rating	-1.585820e-01	2.854437e-01	2.956890e-02	-1.394051e-01
## NumberOfRatings	6.344999e-06	-7.961667e-06	6.032259e-06	-3.271830e-06
## Year2001	-3.816442e-02	8.939072e-03	2.504713e-03	1.387763e-02
## Year2002	-1.446647e-02	1.310904e-03	-6.480272e-03	6.999415e-03
## Year2003	4.525561e-02	1.073489e-01	-3.577545e-03	-3.193922e-02
## Year2004	-1.790243e-02	-5.212768e-03	1.047114e-02	-2.709072e-03
## Year2005	-2.473786e-02	9.863940e-03	-1.232727e-02	1.420073e-02
## Year2006	-5.968087e-03	1.955486e-03	2.529429e-03	3.054409e-03
## Year2007	1.557529e-03	1.905899e-02	-5.753306e-03	4.333951e-03
## Year2008	3.543613e-02	1.442041e-02	-2.189123e-02	5.185512e-03
## Year2009	5.612026e-02	-8.708113e-03	-1.508398e-02	1.529873e-02
## Year2010	-2.867112e-02	1.458319e-02	-1.264813e-02	-1.797924e-02
## Year2011	3.562875e-02	1.598819e-02	4.142401e-03	-4.502524e-02
## Year2012	3.155637e-02	3.473633e-02	-2.707898e-03	-9.261088e-03
## Year2013	6.469553e-02	2.945535e-03	-7.661883e-03	-4.013230e-02
## Year2014	5.722172e-02	2.471491e-02	7.339117e-03	-2.829255e-02
## Year2015	-2.736074e-02	2.449592e-02	4.385395e-02	-4.777540e-02
## Year2016	2.099765e-03	-2.377244e-02	-2.187815e-03	-5.874881e-03
## Year2017	3.162700e-02	-8.278620e-02	1.043988e-02	1.028478e-02
## Year2018	-5.897151e-03	-6.109832e-02	2.134442e-02	3.431160e-02
## Year2019	4.314965e-02	-4.247977e-02	-1.300157e-02	1.096318e-02
## Year2020	-1.827492e-02	2.319103e+00	-1.000807e+00	-1.224477e+00
##	LD53	LD54		
## CountryAustralia	-2.639318e-02	-8.469747e-04		
## CountryAustria	-4.254561e-02	4.696618e-02		
## CountryBrazil	8.474102e-03	1.140675e-01		
## CountryBulgaria	-1.779625e-02	3.236773e-03		
## CountryCanada	-6.280130e-02	-5.827562e-01		
## CountryChile	-1.806197e-03	4.084109e-02		
## CountryChina	-2.706210e-03	5.098557e-02		
## CountryCroatia	3.452416e+01	4.640353e+00		
## CountryCzech Republic	-3.816555e+01	-5.049928e+00		
## CountryFrance	-4.629070e-02	1.450437e-02		
## CountryGeorgia	-2.627039e-03	5.555491e-02		
## CountryGermany	-3.170398e-02	1.660121e-02		
## CountryGreece	1.222406e+00	3.616305e-01		
## CountryHungary	-9.920278e-01	3.979240e-02		
## CountryIsrael	2.337067e-02	9.713556e-02		

```
## CountryItaly          -2.011163e-02  8.057530e-03
## CountryLebanon        -1.644750e-02 -2.232072e-03
## CountryLuxembourg     3.403336e-03  2.963174e-02
## CountryMexico         3.008343e-03  1.771995e-01
## CountryMoldova        -2.229544e-02  2.285581e-02
## CountryNew Zealand    -5.762401e-02  6.604469e-02
## CountryPortugal       -6.333612e-03  1.715160e-02
## CountryRomania        -9.793819e-01 -7.624314e-01
## CountrySlovakia       3.089524e+00  1.158605e+00
## CountrySlovenia       3.951880e-01  2.300480e-01
## CountrySouth Africa   -7.885672e-03  3.057292e-02
## CountrySpain          -1.490683e-02  3.096824e-02
## CountrySwitzerland    -4.966276e-03  5.185219e-02
## CountryTurkey         3.415580e-01  4.412937e-01
## CountryUnited Kingdom  4.329752e-02  1.543064e-02
## CountryUnited States  -2.069601e-03  1.681490e-02
## CountryUruguay        -3.384096e+00 -3.025339e-01
## Rating                -1.144184e-01  5.404661e-01
## NumberOfRatings       -5.374291e-06  8.479286e-06
## Year2001              7.256051e-03 -2.248157e-03
## Year2002              3.611548e-03 -3.296748e-03
## Year2003              4.948091e-03 -4.626497e-03
## Year2004              2.712387e-03  4.321348e-03
## Year2005              5.149756e-03 -1.523470e-03
## Year2006              2.077651e-03  9.355211e-04
## Year2007              4.126353e-03  1.113096e-02
## Year2008              4.609467e-02  3.971207e-03
## Year2009              -7.496749e-02 -6.902149e-03
## Year2010              -1.210951e-02  3.869984e-03
## Year2011              -1.613261e-02 -1.684513e-02
## Year2012              1.059868e-03  6.754828e-03
## Year2013              -2.417498e-02  6.475244e-03
## Year2014              -1.843354e-03  1.066015e-02
## Year2015              -7.477242e-03 -4.137931e-04
## Year2016              -2.124870e-02  3.678406e-03
## Year2017              -5.526997e-02  5.553615e-03
## Year2018              3.306930e-03 -1.827223e-02
## Year2019              -1.208776e-02 -1.504149e-01
## Year2020              -8.626739e+00  6.230472e+01
```

Now let's test our LDA1 model.

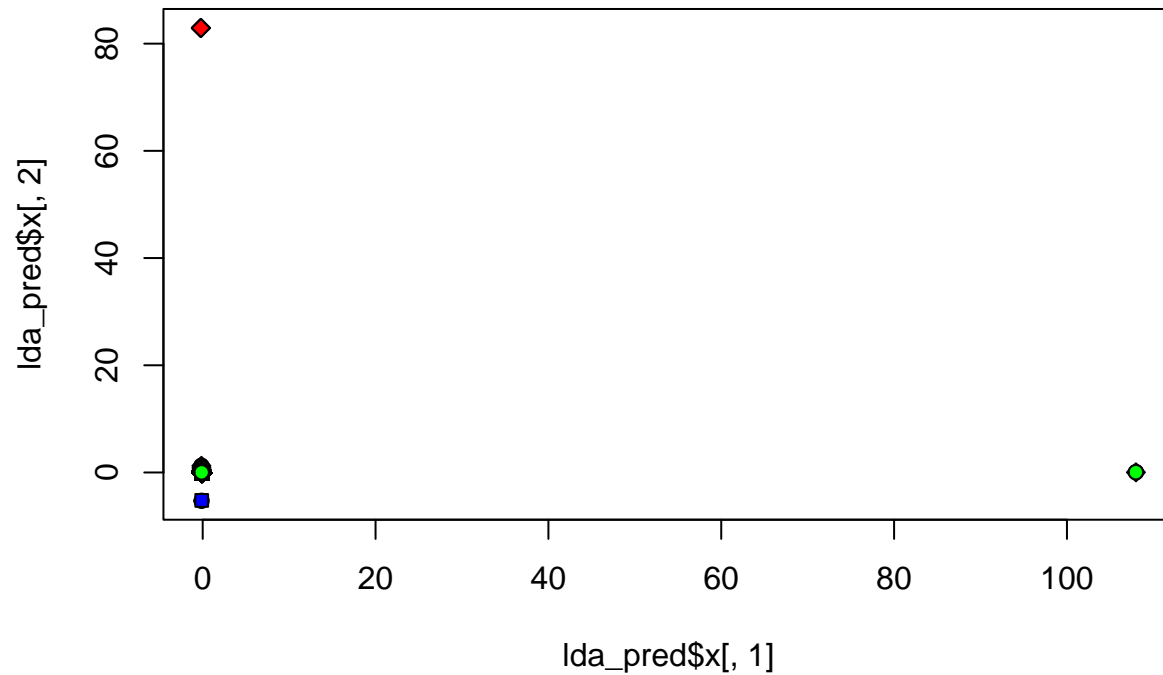
```
lda_pred <- predict(lda1, newdata = test, type = "class")
options(max.print = 100) #the output here was excessive, so I had to cut it down slightly.
lda_pred$class
```

```
## [1] 129.01 32.14 15.5 30.74 15.5 140.64 43.16 32.75 8.9 54.5
## [11] 5.36 32.75 15.5 75.07 7.42 37.73 161.1 120.01 156.17 36.89
## [21] 9.34 43.16 58.8 7.37 36.83 7.84 100 45.77 5.36 130.97
## [31] 36.83 15.5 5.31 129.01 26.06 18.4 484.03 19.24 7.65 63.26
## [41] 15.5 43.16 32.75 7.42 5.31 25.84 328.95 5.99 58.8 7.42
## [51] 129.01 62.39 62.39 328.95 29.1 20.19 36.63 139.95 129.01 11.56
## [61] 130.97 28.6 43.16 39.89 125.65 28.41 7.42 12.98 208.44 5.36
## [71] 43.16 5.36 7.84 36.63 22.85 20.19 7.42 54.59 32.75 5.99
## [81] 29.1 9.34 7.84 23.38 18.4 3.74 137.58 137.58 29.12 76.76
```

```
## [91] 63.66 130.97 15.5 721.34 19.05 8.9 484.03 484.03 17.42 129.01
## [ reached getOption("max.print") -- omitted 2500 entries ]
## 2616 Levels: 3.55 3.7 3.74 3.75 3.79 3.95 3.99 4 4.15 4.16 4.25 4.28 4.29 ... 1599.95
mean(lda_pred$class == test$Price)
```

```
## [1] 0.005
```

```
plot(lda_pred$x[,1], lda_pred$x[,2], pch=c(23,21,22), bg=c("red","green","blue"))
```



With a mean of 0.005, we have an absolutely diabolical accuracy score.