

Assignment 7.3

Data Preprocessing

```
2 library(data.table)
3 library(foreach)
4 library(readr)
5 setwd("C:/Users/Tejs/Documents/Assignments")
6
7 blogData_train<-read.csv("C:/Users/Tejs/Documents/Assignments/blogData_train.csv")
8 view(blogData_train)
9 test_filenames<-list.files(pattern = "blogData_test")
10
11 cols( .default = col_double() )
12
13 train<-fread("blogData_train.csv")
14 test<-foreach(i=1:length(test_filenames), .combine = rbind)%do%{
15   temp=fread(test_filenames[i], header = FALSE)
16 }
17
```

```
library(data.table)
```

```
library(foreach)
```

```
library(readr)
```

Parsed with column specification:

```
cols( .default = col_double() )
```

See spec(...) for full column specifications.

```
View(blogData_train)
```

```
# retrieve filenames of test sets
```

```
test_filenames = list.files(pattern = "blogData_test")
```

```
# load and combine dataset
```

```
train = fread("blogData_train.csv")
```

```
test = foreach(i = 1:length(test_filenames), .combine = rbind) %do% {
```

```
  temp = fread(test_filenames[i], header = FALSE)
```

```
}
```

```
# log-transform
train[, V281 := log(1 + V281)]
test[, V281 := log(1 + V281)]

# drop continous variables without variation
drop = c(8, 13, 28, 33, 38, 40, 43, 50, 278)
train[, (drop) := NULL]
test[, (drop) := NULL]

# write to files
write.csv(train, "BlogFeedback-Train.csv", row.names = F)
write.csv(test, "BlogFeedback-Test.csv", row.names = F)

train
##      V1     V2 V3 V4 V5     V6     V7 V9 V10     V11
## 1: 40.30467 53.84566 0 401 15 15.52416 32.44188 377 3 14.04423
## 2: 40.30467 53.84566 0 401 15 15.52416 32.44188 377 3 14.04423
## 3: 40.30467 53.84566 0 401 15 15.52416 32.44188 377 3 14.04423
## 4: 40.30467 53.84566 0 401 15 15.52416 32.44188 377 3 14.04423
## 5: 40.30467 53.84566 0 401 15 15.52416 32.44188 377 3 14.04423
##   ---
## 52393: 33.00000 0.00000 33 33 33 11.00000 15.55635 33 0 11.00000
## 52394: 33.00000 0.00000 33 33 33 11.00000 15.55635 33 0 11.00000
## 52395: 0.00000 0.00000 0 0 0 0.00000 0.00000 0 0 0.00000
## 52396: 0.00000 0.00000 0 0 0 0.00000 0.00000 0 0 0.00000
## 52397: 0.00000 0.00000 0 0 0 0.00000 0.00000 0 0 0.00000
##      V12 V14 V15     V16     V17 V18 V19 V20     V21     V22
## 1: 32.61542 377 2 34.56757 48.47518 0 378 12 1.479934 46.18691
```

```

## 2: 32.61542 377 2 34.56757 48.47518 0 378 12 1.479934 46.18691
## 3: 32.61542 377 2 34.56757 48.47518 0 378 12 1.479934 46.18691
## 4: 32.61542 377 2 34.56757 48.47518 0 378 12 1.479934 46.18691
## 5: 32.61542 377 2 34.56757 48.47518 0 378 12 1.479934 46.18691
## ---
## 52393: 15.55635 33 0 33.00000 0.00000 33 33 33 0.000000 26.94439
## 52394: 15.55635 33 0 33.00000 0.00000 33 33 33 0.000000 26.94439
## 52395: 0.00000 0 0 0.00000 0.00000 0 0 0 0.000000 0.00000
## 52396: 0.00000 0 0 0.00000 0.00000 0 0 0 0.000000 0.00000
## 52397: 0.00000 0 0 0.00000 0.00000 0 0 0 0.000000 0.00000
## V23 V24 V25 V26 V27 V29 V30 V31 V32 V34 V35
## 1: -356 377 0 1.076167 1.795416 11 0 0.4004914 1.0780969 9 0
## 2: -356 377 0 1.076167 1.795416 11 0 0.4004914 1.0780969 9 0
## 3: -356 377 0 1.076167 1.795416 11 0 0.4004914 1.0780969 9 0
## 4: -356 377 0 1.076167 1.795416 11 0 0.4004914 1.0780969 9 0
## 5: -356 377 0 1.076167 1.795416 11 0 0.4004914 1.0780969 9 0
## ---
## 52393: -33 33 0 0.000000 0.000000 0 0 0.0000000 0.0000000 0 0
## 52394: -33 33 0 0.000000 0.000000 0 0 0.0000000 0.0000000 0 0
## 52395: 0 0 0 2.000000 0.000000 2 2 0.6666667 0.9428091 2 0
## 52396: 0 0 0 2.000000 0.000000 2 2 0.6666667 0.9428091 2 0
## 52397: 0 0 0 2.000000 0.000000 2 2 0.6666667 0.9428091 2 0
## V36 V37 V39 V41 V42 V44 V45 V46
## 1: 0.3775594 1.0742100 9 0.972973 1.704671 10 0 0.02293202
## 2: 0.3775594 1.0742100 9 0.972973 1.704671 10 0 0.02293202
## 3: 0.3775594 1.0742100 9 0.972973 1.704671 10 0 0.02293202
## 4: 0.3775594 1.0742100 9 0.972973 1.704671 10 0 0.02293202
## 5: 0.3775594 1.0742100 9 0.972973 1.704671 10 0 0.02293202
## ---

```

```
## 52393: 0.0000000 0.0000000 0 0.000000 0.000000 0 0 0.000000000
## 52394: 0.0000000 0.0000000 0 0.000000 0.000000 0 0 0.000000000
## 52395: 0.6666667 0.9428091 2 2.000000 0.000000 2 2 0.000000000
## 52396: 0.6666667 0.9428091 2 2.000000 0.000000 2 2 0.000000000
## 52397: 0.6666667 0.9428091 2 2.000000 0.000000 2 2 0.000000000
##      V47 V48 V49 V51 V52 V53 V54 V55 V56 V57 V58 V59 V60 V61 V62
## 1: 1.521174 -8 9 2 2 0 2 2 0 0 0 0 0 10 0
## 2: 1.521174 -8 9 6 2 4 5 -2 0 0 0 0 0 35 0
## 3: 1.521174 -8 9 6 2 4 5 -2 0 0 0 0 0 35 0
## 4: 1.521174 -8 9 2 2 0 2 2 0 0 0 0 0 10 0
## 5: 1.521174 -8 9 3 1 2 2 -1 0 0 0 0 0 34 0
## ---
## 52393: 0.000000 0 0 33 0 33 33 -33 0 0 0 0 0 38 3137
## 52394: 0.000000 0 0 33 0 0 33 0 0 0 0 0 0 62 3137
## 52395: 1.632993 -2 2 0 0 0 0 0 0 2 2 0 2 2 13 0
## 52396: 1.632993 -2 2 0 0 0 0 0 0 2 0 2 2 -2 37 0
## 52397: 1.632993 -2 2 0 0 0 0 0 0 2 0 0 2 0 61 0
##      V63 V64 V65 V66 V67 V68 V69 V70 V71 V72 V73 V74 V75 V76 V77 V78 V79
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 3: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## ---
## 52393: 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0
## 52394: 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0
## 52395: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52396: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52397: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```

```
##      V80 V81 V82 V83 V84 V85 V86 V87 V88 V89 V90 V91 V92 V93 V94 V95 V96
##  1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  3: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  ---
## 52393: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52394: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52395: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52396: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52397: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##      V97 V98 V99 V100 V101 V102 V103 V104 V105 V106 V107 V108 V109 V110
##  1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  3: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  ---
## 52393: 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52394: 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52395: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52396: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52397: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##      V111 V112 V113 V114 V115 V116 V117 V118 V119 V120 V121 V122 V123
##  1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  3: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##  4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```



```
## 52396: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 52397: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## V150 V151 V152 V153 V154 V155 V156 V157 V158 V159 V160 V161 V162  
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 3: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## ---  
## 52393: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 52394: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 52395: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 52396: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 52397: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## V163 V164 V165 V166 V167 V168 V169 V170 V171 V172 V173 V174 V175  
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 3: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## ---  
## 52393: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 52394: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 52395: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 52396: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 52397: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## V176 V177 V178 V179 V180 V181 V182 V183 V184 V185 V186 V187 V188  
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```



```
## 52394: 0 0 0 0 0 0 0 0 0 0 0 0 1 0
## 52395: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52396: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52397: 0 0 0 0 0 0 0 0 0 0 0 0 0 0

##     V215 V216 V217 V218 V219 V220 V221 V222 V223 V224 V225 V226 V227

## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 3: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## --- 

## 52393: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52394: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52395: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52396: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52397: 0 0 0 0 0 0 0 0 0 0 0 0 0 0

##     V228 V229 V230 V231 V232 V233 V234 V235 V236 V237 V238 V239 V240

## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 3: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## --- 

## 52393: 1 0 0 0 1 0 0 0 0 0 0 0 0 0
## 52394: 1 0 0 0 1 0 0 0 0 0 0 0 0 0
## 52395: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52396: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 52397: 0 0 0 0 0 0 0 0 0 0 0 0 0 0

##     V241 V242 V243 V244 V245 V246 V247 V248 V249 V250 V251 V252 V253
```



```

## ---
## 52393: 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0
## 52394: 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0
## 52395: 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0
## 52396: 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0
## 52397: 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

##      V281

## 1: 0.6931472
## 2: 0.0000000
## 3: 0.0000000
## 4: 0.6931472
## 5: 3.3322045

## ---
## 52393: 0.0000000
## 52394: 0.0000000
## 52395: 0.0000000
## 52396: 0.0000000
## 52397: 0.0000000

test

##      V1      V2 V3 V4 V5      V6      V7 V9 V10
## 1: 10.630660 17.882992 1 259 5.0 4.0182760 10.39679 235 1.0
## 2: 43.435825 75.590485 0 634 20.0 15.9985895 44.56087 473 2.0
## 3: 1.733333 3.043390 0 9 0.0 0.7333333 1.52607 5 0.0
## 4: 27.230215 45.970950 0 371 14.0 10.7841730 24.20994 228 4.0
## 5: 4.500000 6.677075 0 18 0.5 3.0000000 4.00000 10 0.5

## ---
## 7620: 0.000000 0.000000 0 0 0.0 0.0000000 0.00000 0 0.0
## 7621: 56.512093 77.442830 0 438 32.0 19.2965300 49.22134 432 0.0
## 7622: 49.442368 112.620125 1 849 9.0 20.4454820 62.61939 506 2.0

```

```

## 7623: 16.593575 19.671364 1 144 10.0 6.5124497 11.05121 111 2.0
## 7624: 0.000000 0.000000 0 0 0.0 0.0000000 0.00000 0 0.0
##      V11    V12 V14 V15    V16    V17 V18 V19 V20
## 1: 3.8172395 10.297346 235 1 9.776869 16.073494 1 192 5.0
## 2: 15.4696760 44.685085 473 1 40.971790 70.307840 0 479 18.0
## 3: 0.6666667 1.534782 5 0 1.133333 1.820867 0 5 0.0
## 4: 9.9976015 24.400290 228 2 22.563549 39.761290 0 337 10.0
## 5: 1.3333334 2.560382 7 0 2.833333 3.670453 0 8 0.5
## ---
## 7620: 0.0000000 0.000000 0 0 0.000000 0.000000 0 0 0.0
## 7621: 18.9663500 49.304424 432 0 55.904312 76.864080 0 438 31.0
## 7622: 19.2211840 62.536453 506 1 38.274143 85.508520 1 574 7.0
## 7623: 5.8257027 11.001102 111 1 13.765462 15.641400 1 112 9.0
## 7624: 0.0000000 0.000000 0 0 0.000000 0.000000 0 0 0.0
##      V21    V22 V23 V24 V25    V26    V27 V29 V30
## 1: 0.20103656 13.948867 -229 217 0.0 0.25177306 0.9038038 14 0
## 2: 0.52891400 62.134968 -461 473 0.0 0.19322990 0.4576994 2 0
## 3: 0.06666667 1.730767 -5 4 0.0 0.33333334 0.6992059 2 0
## 4: 0.78657070 30.358133 -156 228 0.0 0.11031175 0.3562584 2 0
## 5: 1.66666660 2.211083 0 6 0.5 0.00000000 0.0000000 0 0
## ---
## 7620: 0.00000000 0.000000 0 0 0.0 0.00000000 0.0000000 0 0
## 7621: 0.33017877 72.227750 -426 432 0.0 0.00000000 0.0000000 0 0
## 7622: 1.22429910 78.975365 -474 506 0.0 1.07476640 2.2341206 16 0
## 7623: 0.68674700 14.777326 -104 111 0.0 0.01526104 0.1350592 2 0
## 7624: 0.00000000 0.000000 0 0 0.0 0.00000000 0.0000000 0 0
##      V31    V32 V34 V35    V36    V37 V39    V41
## 1: 0.09438080 0.50673160 12 0 0.09192581 0.50421600 12 0.23349700
## 2: 0.07334273 0.28647503 2 0 0.06770099 0.27788836 2 0.17630465

```

```

##  3: 0.13333334 0.33993465  1  0 0.13333334 0.33993465  1 0.20000000
##  4: 0.04316547 0.21470532  2  0 0.04076739 0.20952702  2 0.09832134
##  5: 0.00000000 0.00000000  0  0 0.00000000 0.00000000  0 0.00000000
##  ---
## 7620: 0.00000000 0.00000000  0  0 0.00000000 0.00000000  0 0.00000000
## 7621: 0.00000000 0.00000000  0  0 0.00000000 0.00000000  0 0.00000000
## 7622: 0.42679128 1.34016500 13  0 0.40809968 1.33201530 13 0.95015574
## 7623: 0.00562249 0.08483692  2  0 0.00562249 0.08483692  2 0.01526104
## 7624: 0.00000000 0.00000000  0  0 0.00000000 0.00000000  0 0.00000000
##      V42 V44 V45      V46      V47 V48 V49 V51 V52 V53 V54 V55
##  1: 0.8547111 13  0 0.002454992 0.6747285 -10 12 35 35  0 35 35
##  2: 0.4297832  2  0 0.005641749 0.4044489 -2  2 21  0  2 21 -2
##  3: 0.4000000  1  0 0.0000000000 0.3651484 -1  1  2  2  0  2  2
##  4: 0.3210027  2  0 0.002398082 0.2897018 -2  2  3  3  0  3  3
##  5: 0.0000000  0  0 0.0000000000 0.0000000  0  0  0  0  0  0  0
##  ---
## 7620: 0.0000000  0  0 0.0000000000 0.0000000  0  0  1  1  0  0  1
## 7621: 0.0000000  0  0 0.0000000000 0.0000000  0  0  2  1  1  1  0
## 7622: 1.9263725 14  0 0.018691588 1.7894533 -11 13  3  1  0  2  1
## 7623: 0.1350592  2  0 0.0000000000 0.1202407 -2  2  8  8  0  8  8
## 7624: 0.0000000  0  0 0.0000000000 0.0000000  0  0  1  1  0  1  1
##      V56 V57 V58 V59 V60 V61 V62 V63 V64 V65 V66 V67 V68 V69 V70 V71 V72
##  1: 0  0  0  0  0  9  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
##  2: 0  0  0  0  0 62 696 0  0  0  0  0  1  0  0  0  0  0  0  0  0
##  3: 2  2  0  2  2 13 8361 0  1  0  0  1  1  1  0  0  0  0  0  0  0
##  4: 0  0  0  0  0 9 2751 0  0  0  0  0  0  0  0  0  0  0  0  0  0
##  5: 0  0  0  0  0 5 187 0  0  0  0  0  0  0  0  0  0  0  0  0  0
##  ---
## 7620: 0  0  0  0  0 64 1478 0  0  0  0  0  0  0  0  0  0  0  0  0  0

```



```

## ---
## 7620: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 7621: 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1
## 7622: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 7623: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 7624: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

##    V144 V145 V146 V147 V148 V149 V150 V151 V152 V153 V154 V155 V156

## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 2: 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0
## 3: 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

## ---
## 7620: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 7621: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 7622: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 7623: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 7624: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

##    V157 V158 V159 V160 V161 V162 V163 V164 V165 V166 V167 V168 V169

## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 3: 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0
## 4: 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

## ---
## 7620: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 7621: 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 7622: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## 7623: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

```

```
## 7624: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
##   V170 V171 V172 V173 V174 V175 V176 V177 V178 V179 V180 V181 V182  
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 3: 1 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0  
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## ---  
## 7620: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7621: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7622: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7623: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7624: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
##   V183 V184 V185 V186 V187 V188 V189 V190 V191 V192 V193 V194 V195  
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 3: 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0  
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## ---  
## 7620: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7621: 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0  
## 7622: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7623: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7624: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
##   V196 V197 V198 V199 V200 V201 V202 V203 V204 V205 V206 V207 V208  
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 3: 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0
```

```
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## ---  
## 7620: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7621: 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0  
## 7622: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7623: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7624: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## V209 V210 V211 V212 V213 V214 V215 V216 V217 V218 V219 V220 V221  
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 3: 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0  
## 4: 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0  
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## ---  
## 7620: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7621: 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0  
## 7622: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7623: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7624: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## V222 V223 V224 V225 V226 V227 V228 V229 V230 V231 V232 V233 V234  
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 2: 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0  
## 3: 0 0 0 0 1 0 1 0 0 0 1 0 0 0 0 0  
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## ---  
## 7620: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7621: 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0
```

```
## 7622: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7623: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7624: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
##   V235 V236 V237 V238 V239 V240 V241 V242 V243 V244 V245 V246 V247  
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0  
## 3: 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0  
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0  
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0  
## ---  
## 7620: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7621: 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0  
## 7622: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7623: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7624: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
##   V248 V249 V250 V251 V252 V253 V254 V255 V256 V257 V258 V259 V260  
## 1: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 2: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 3: 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0  
## 4: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 5: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## ---  
## 7620: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7621: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7622: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7623: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 7624: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
##   V261 V262 V263 V264 V265 V266 V267 V268 V269 V270 V271 V272 V273  
## 1: 0 0 0 0 1 0 0 0 0 0 1 0 0 0
```

```

## 2: 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0
## 3: 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0
## 4: 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0
## 5: 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0
## ---
## 7620: 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0
## 7621: 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1
## 7622: 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0
## 7623: 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0
## 7624: 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0
## V274 V275 V276 V277 V279 V280 V281
## 1: 0 0 0 0 0 0 1.6094379
## 2: 0 0 1 0 0 0 0.0000000
## 3: 0 0 0 0 0 0 0.6931472
## 4: 0 0 0 0 0 0 1.7917595
## 5: 0 0 0 0 0 0 0.0000000
## ---
## 7620: 0 0 0 0 0 0 0.0000000
## 7621: 0 0 0 0 0 0 0.0000000
## 7622: 0 0 0 0 0 0 0.0000000
## 7623: 1 0 0 0 0 0 1.3862944
## 7624: 1 0 0 0 0 0 0.0000000
### Basic Models ###

library(data.table)
library(MatrixModels)

```

```

library(e1071)
library(FNN)
library(glmnet)

```

```

## Loading required package: Matrix

## Loaded glmnet 2.0-16

library(ranger)

library(xgboost)

# load and combine dataset

train = fread("BlogFeedback-Train.csv")

test = fread("BlogFeedback-Test.csv")

# error measure

mse = function(y_hat, y) {

  mse = mean((y - y_hat)^2)

  return(mse)

}

# create design matrices

train_x = model.Matrix(V281 ~ . - 1, data = train, sparse = F)

train_x_sparse = model.Matrix(V281 ~ . - 1, data = train, sparse = T)

train_y = train$V281

test_x = model.Matrix(V281 ~ . - 1, data = test, sparse = F)

test_y = test$V281

train_xgb = xgb.DMatrix(data = as.matrix(train_x), label = train_y)

test_xgb = xgb.DMatrix(data = as.matrix(test_x), label = test_y)

# try kNN

pred_knn = knn.reg(train_x, test_x, train_y, k = 19)$pred

```

```
mse(pred_knn, test_y)
## [1] 0.6383154

# try LASSO

mdl_lasso = cv.glmnet(train_x_sparse, train_y, family = "gaussian", alpha = 1)

pred_lasso = predict(mdl_lasso, newx = test_x)

mse(pred_lasso, test_y)
## [1] 0.6365795

# try random forest

mdl_rf = ranger(V281 ~ ., data = train, num.trees = 1000, mtry = 120, write.forest = T)

## Growing trees.. Progress: 3%. Estimated remaining time: 21 minutes, 27 seconds.

## Growing trees.. Progress: 5%. Estimated remaining time: 19 minutes, 39 seconds.

## Growing trees.. Progress: 8%. Estimated remaining time: 18 minutes, 54 seconds.

## Growing trees.. Progress: 11%. Estimated remaining time: 18 minutes, 7 seconds.

## Growing trees.. Progress: 14%. Estimated remaining time: 17 minutes, 19 seconds.

## Growing trees.. Progress: 17%. Estimated remaining time: 16 minutes, 36 seconds.

## Growing trees.. Progress: 19%. Estimated remaining time: 16 minutes, 1 seconds.

## Growing trees.. Progress: 22%. Estimated remaining time: 15 minutes, 27 seconds.

## Growing trees.. Progress: 25%. Estimated remaining time: 14 minutes, 51 seconds.

## Growing trees.. Progress: 28%. Estimated remaining time: 14 minutes, 17 seconds.

## Growing trees.. Progress: 30%. Estimated remaining time: 13 minutes, 41 seconds.

## Growing trees.. Progress: 33%. Estimated remaining time: 13 minutes, 8 seconds.

## Growing trees.. Progress: 36%. Estimated remaining time: 12 minutes, 35 seconds.

## Growing trees.. Progress: 39%. Estimated remaining time: 12 minutes, 2 seconds.

## Growing trees.. Progress: 42%. Estimated remaining time: 11 minutes, 29 seconds.

## Growing trees.. Progress: 44%. Estimated remaining time: 10 minutes, 57 seconds.

## Growing trees.. Progress: 47%. Estimated remaining time: 10 minutes, 25 seconds.

## Growing trees.. Progress: 49%. Estimated remaining time: 10 minutes, 4 seconds.

## Growing trees.. Progress: 52%. Estimated remaining time: 9 minutes, 45 seconds.

## Growing trees.. Progress: 54%. Estimated remaining time: 9 minutes, 19 seconds.
```

```

## Growing trees.. Progress: 57%. Estimated remaining time: 8 minutes, 44 seconds.
## Growing trees.. Progress: 59%. Estimated remaining time: 8 minutes, 11 seconds.
## Growing trees.. Progress: 62%. Estimated remaining time: 7 minutes, 41 seconds.
## Growing trees.. Progress: 65%. Estimated remaining time: 7 minutes, 7 seconds.
## Growing trees.. Progress: 67%. Estimated remaining time: 6 minutes, 39 seconds.
## Growing trees.. Progress: 70%. Estimated remaining time: 6 minutes, 11 seconds.
## Growing trees.. Progress: 72%. Estimated remaining time: 5 minutes, 38 seconds.
## Growing trees.. Progress: 75%. Estimated remaining time: 5 minutes, 3 seconds.
## Growing trees.. Progress: 78%. Estimated remaining time: 4 minutes, 29 seconds.
## Growing trees.. Progress: 80%. Estimated remaining time: 3 minutes, 59 seconds.
## Growing trees.. Progress: 83%. Estimated remaining time: 3 minutes, 26 seconds.
## Growing trees.. Progress: 86%. Estimated remaining time: 2 minutes, 52 seconds.
## Growing trees.. Progress: 89%. Estimated remaining time: 2 minutes, 18 seconds.
## Growing trees.. Progress: 91%. Estimated remaining time: 1 minute, 44 seconds.
## Growing trees.. Progress: 94%. Estimated remaining time: 1 minute, 10 seconds.
## Growing trees.. Progress: 97%. Estimated remaining time: 36 seconds.
## Growing trees.. Progress: 100%. Estimated remaining time: 2 seconds.

pred_rf = predict(mdl_rf, test)
mse(pred_rf$predictions, test_y)
## [1] 0.397223

# try SVM

mdl_svm = svm(V281 ~ V52 + V55 + V61 + V51 + V54 + V21 + V6 + V10, data = train, kernel = "radial",
cost = 2, gamma = 0.25)

pred_svm = predict(mdl_svm, test)
mse(pred_svm, test_y)
## [1] 0.4454636

# try XGboost

mdl_xgb = xgboost(data = train_xgb, nround = 750, nthread = 4, max_depth = 6, eta = 0.025, subsample
= 0.7, gamma = 3)

```

```
## [1] train-rmse:1.123211
## [2] train-rmse:1.105587
## [3] train-rmse:1.088751
## [4] train-rmse:1.072364
## [5] train-rmse:1.056541
## [6] train-rmse:1.041299
## [7] train-rmse:1.026474
## [8] train-rmse:1.012151
## [9] train-rmse:0.998236
## [10] train-rmse:0.984944
## [11] train-rmse:0.972046
## [12] train-rmse:0.959660
## [13] train-rmse:0.947695
## [14] train-rmse:0.936049
## [15] train-rmse:0.924799
## [16] train-rmse:0.913825
## [17] train-rmse:0.903303
## [18] train-rmse:0.893156
## [19] train-rmse:0.883414
## [20] train-rmse:0.874059
## [21] train-rmse:0.865047
## [22] train-rmse:0.856306
## [23] train-rmse:0.848055
## [24] train-rmse:0.840064
## [25] train-rmse:0.832164
## [26] train-rmse:0.824686
## [27] train-rmse:0.817432
## [28] train-rmse:0.810481
## [29] train-rmse:0.803617
```

```
## [30] train-rmse:0.797115
## [31] train-rmse:0.790814
## [32] train-rmse:0.784595
## [33] train-rmse:0.778755
## [34] train-rmse:0.773094
## [35] train-rmse:0.767748
## [36] train-rmse:0.762395
## [37] train-rmse:0.757345
## [38] train-rmse:0.752488
## [39] train-rmse:0.747817
## [40] train-rmse:0.743399
## [41] train-rmse:0.739041
## [42] train-rmse:0.734814
## [43] train-rmse:0.730827
## [44] train-rmse:0.726892
## [45] train-rmse:0.723121
## [46] train-rmse:0.719583
## [47] train-rmse:0.716088
## [48] train-rmse:0.712764
## [49] train-rmse:0.709580
## [50] train-rmse:0.706472
## [51] train-rmse:0.703511
## [52] train-rmse:0.700691
## [53] train-rmse:0.697894
## [54] train-rmse:0.695273
## [55] train-rmse:0.692620
## [56] train-rmse:0.690116
## [57] train-rmse:0.687650
## [58] train-rmse:0.685264
```

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## [59] train-rmse:0.683066
## [60] train-rmse:0.680842
## [61] train-rmse:0.678713
## [62] train-rmse:0.676759
## [63] train-rmse:0.674839
## [64] train-rmse:0.672873
## [65] train-rmse:0.671013
## [66] train-rmse:0.669334
## [67] train-rmse:0.667636
## [68] train-rmse:0.665990
## [69] train-rmse:0.664497
## [70] train-rmse:0.662978
## [71] train-rmse:0.661438
## [72] train-rmse:0.659984
## [73] train-rmse:0.658645
## [74] train-rmse:0.657361
## [75] train-rmse:0.656081
## [76] train-rmse:0.654839
## [77] train-rmse:0.653571
## [78] train-rmse:0.652382
## [79] train-rmse:0.651310
## [80] train-rmse:0.650165
## [81] train-rmse:0.649082
## [82] train-rmse:0.647973
## [83] train-rmse:0.646989
## [84] train-rmse:0.645910
## [85] train-rmse:0.644910
## [86] train-rmse:0.643895
## [87] train-rmse:0.642963
```

```
## [88] train-rmse:0.642045
## [89] train-rmse:0.641064
## [90] train-rmse:0.640266
## [91] train-rmse:0.639491
## [92] train-rmse:0.638624
## [93] train-rmse:0.637817
## [94] train-rmse:0.636958
## [95] train-rmse:0.636172
## [96] train-rmse:0.635401
## [97] train-rmse:0.634687
## [98] train-rmse:0.633978
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## [100] train-rmse:0.632676
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## [111] train-rmse:0.626267
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## [114] train-rmse:0.624769
## [115] train-rmse:0.624165
## [116] train-rmse:0.623743
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## [117] train-rmse:0.623251
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## [174] train-rmse:0.605503
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## [288] train-rmse:0.588475
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```

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## [299] train-rmse:0.587306
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```

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## [346] train-rmse:0.582566
## [347] train-rmse:0.582422
## [348] train-rmse:0.582391
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## [349] train-rmse:0.582216
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## [377] train-rmse:0.579586
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## [378] train-rmse:0.579516
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## [404] train-rmse:0.577277
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## [435] train-rmse:0.574178
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## [465] train-rmse:0.571998
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## [580] train-rmse:0.563369
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## [581] train-rmse:0.563289
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## [609] train-rmse:0.561362
```

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## [638] train-rmse:0.559652
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## [695] train-rmse:0.556087
## [696] train-rmse:0.556022
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## [726] train-rmse:0.554668
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## [736] train-rmse:0.554165
## [737] train-rmse:0.554048
## [738] train-rmse:0.553964
## [739] train-rmse:0.553785
## [740] train-rmse:0.553774
## [741] train-rmse:0.553748
## [742] train-rmse:0.553698
## [743] train-rmse:0.553636
## [744] train-rmse:0.553566
## [745] train-rmse:0.553554
## [746] train-rmse:0.553521
## [747] train-rmse:0.553512
## [748] train-rmse:0.553420
## [749] train-rmse:0.553361
## [750] train-rmse:0.553349
pred_xgb = predict(mdl_xgb, test_xgb)
mse(pred_xgb, test_y)
## [1] 0.3820247
### Stacked Generalization ###
```

```
library(data.table)
library(foreach)
library(MatrixModels)

library(e1071)
library(FNN)
library(glmnet)
library(ranger)
library(xgboost)

# load and combine dataset
train = fread("BlogFeedback-Train.csv")
test = fread("BlogFeedback-Test.csv")

# error measure
mse = function(y_hat, y) {
  mse = mean((y - y_hat)^2)

  return(mse)
}

# create design matrices
test_x = model.Matrix(V281 ~ . - 1, data = test, sparse = F)
test_x_sparse = model.Matrix(V281 ~ . - 1, data = test, sparse = T)
#test_xgb = xgb.DMatrix(data = as.matrix(test_x), label = test_y)

train_y = train$V281
test_y = test$V281
```

```

# divide training set into k folds
k = 5

cv_index = 1:nrow(train)
cv_index_split = split(cv_index, cut(seq_along(cv_index), k, labels = FALSE))

# meta features from kNN

meta_knn_test = rep(0, nrow(test))
meta_knn_train = foreach(i = 1:k, .combine = c) %do% {

  # split the raining set into two disjoint sets
  train_index = setdiff(1:nrow(train), cv_index_split[[i]])
  train_set1 = model.Matrix(V281 ~ . - 1, data = train[train_index], sparse = T)
  train_set2 = model.Matrix(V281 ~ . - 1, data = train[cv_index_split[[i]]], sparse = T)

  # level 0 prediction
  meta_pred = knn.reg(train_set1, train_set2, train[train_index]$V281, k = 19)$pred
  meta_knn_test = meta_knn_test + knn.reg(train_set1, test_x_sparse, train[train_index]$V281, k = 19)$pred / k

  return(meta_pred)
}

# meta features from LASSO

meta_glm_test = rep(0, nrow(test))
meta_glm_train = foreach(i = 1:k, .combine = c) %do% {

  # split the raining set into two disjoint sets
  train_index = setdiff(1:nrow(train), cv_index_split[[i]])
  train_set1 = model.Matrix(V281 ~ . - 1, data = train[train_index], sparse = T)
  train_set2 = model.Matrix(V281 ~ . - 1, data = train[cv_index_split[[i]]], sparse = T)
}

```

```

# level 0 prediction

temp_glm = cv.glmnet(train_set1, train[train_index]$V281, family = "gaussian", alpha = 1)

meta_pred = predict(temp_glm, newx = train_set2)

meta_glm_test = meta_glm_test + predict(temp_glm, newx = test_x_sparse) / k

return(meta_pred)

}

```

```

# meta features from SVM

meta_svm_test = rep(0, nrow(test))

meta_svm_train = foreach(i = 1:k, .combine = c) %do% {

  # split the raining set into two disjoint sets

  train_index = setdiff(1:nrow(train), cv_index_split[[i]])

  train_set1 = train[train_index]

  train_set2 = train[cv_index_split[[i]]]

}

# level 0 prediction

temp_svm = svm(V281 ~ V52 + V55 + V61 + V51 + V54 + V21 + V6 + V10, data = train_set1,
               kernel = "radial", cost = 2, gamma = 0.25)

meta_pred = predict(temp_svm, train_set2)

meta_svm_test = meta_svm_test + predict(temp_svm, test) / k

return(meta_pred)

}

```

```

# meta features from random forest

meta_rf_test = rep(0, nrow(test))

meta_rf_train = foreach(i = 1:k, .combine = c) %do% {

```

```

# split the raining set into two disjoint sets

train_index = setdiff(1:nrow(train), cv_index_split[[i]])

train_set1 = train[train_index]

train_set2 = train[cv_index_split[[i]]]

# level 0 prediction

temp_rf = ranger(V281 ~ ., data = train_set1, num.trees = 500, mtry = 120, write.forest = T)

meta_pred = predict(temp_rf, train_set2)$predictions

meta_rf_test = meta_rf_test + predict(temp_rf, test)$predictions / k

return(meta_pred)

}

## Growing trees.. Progress: 7%. Estimated remaining time: 7 minutes, 18 seconds.

## Growing trees.. Progress: 14%. Estimated remaining time: 6 minutes, 33 seconds.

## Growing trees.. Progress: 21%. Estimated remaining time: 5 minutes, 57 seconds.

## Growing trees.. Progress: 28%. Estimated remaining time: 5 minutes, 25 seconds.

## Growing trees.. Progress: 35%. Estimated remaining time: 4 minutes, 51 seconds.

## Growing trees.. Progress: 43%. Estimated remaining time: 4 minutes, 18 seconds.

## Growing trees.. Progress: 50%. Estimated remaining time: 3 minutes, 45 seconds.

## Growing trees.. Progress: 57%. Estimated remaining time: 3 minutes, 13 seconds.

## Growing trees.. Progress: 64%. Estimated remaining time: 2 minutes, 40 seconds.

## Growing trees.. Progress: 71%. Estimated remaining time: 2 minutes, 8 seconds.

## Growing trees.. Progress: 79%. Estimated remaining time: 1 minute, 36 seconds.

## Growing trees.. Progress: 86%. Estimated remaining time: 1 minute, 3 seconds.

## Growing trees.. Progress: 93%. Estimated remaining time: 31 seconds.

## Growing trees.. Progress: 7%. Estimated remaining time: 7 minutes, 18 seconds.

## Growing trees.. Progress: 14%. Estimated remaining time: 6 minutes, 33 seconds.

## Growing trees.. Progress: 21%. Estimated remaining time: 5 minutes, 57 seconds.

## Growing trees.. Progress: 28%. Estimated remaining time: 5 minutes, 26 seconds.

```

Growing trees.. Progress: 35%. Estimated remaining time: 4 minutes, 56 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 4 minutes, 31 seconds.

Growing trees.. Progress: 48%. Estimated remaining time: 3 minutes, 58 seconds.

Growing trees.. Progress: 55%. Estimated remaining time: 3 minutes, 24 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 2 minutes, 51 seconds.

Growing trees.. Progress: 70%. Estimated remaining time: 2 minutes, 18 seconds.

Growing trees.. Progress: 77%. Estimated remaining time: 1 minute, 46 seconds.

Growing trees.. Progress: 84%. Estimated remaining time: 1 minute, 13 seconds.

Growing trees.. Progress: 91%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 98%. Estimated remaining time: 8 seconds.

Growing trees.. Progress: 7%. Estimated remaining time: 6 minutes, 51 seconds.

Growing trees.. Progress: 14%. Estimated remaining time: 6 minutes, 20 seconds.

Growing trees.. Progress: 21%. Estimated remaining time: 5 minutes, 45 seconds.

Growing trees.. Progress: 29%. Estimated remaining time: 5 minutes, 9 seconds.

Growing trees.. Progress: 36%. Estimated remaining time: 4 minutes, 39 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 4 minutes, 8 seconds.

Growing trees.. Progress: 51%. Estimated remaining time: 3 minutes, 34 seconds.

Growing trees.. Progress: 58%. Estimated remaining time: 3 minutes, 3 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 2 minutes, 33 seconds.

Growing trees.. Progress: 71%. Estimated remaining time: 2 minutes, 5 seconds.

Growing trees.. Progress: 78%. Estimated remaining time: 1 minute, 35 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 1 minute, 2 seconds.

Growing trees.. Progress: 93%. Estimated remaining time: 31 seconds.

Growing trees.. Progress: 100%. Estimated remaining time: 0 seconds.

Growing trees.. Progress: 7%. Estimated remaining time: 7 minutes, 32 seconds.

Growing trees.. Progress: 14%. Estimated remaining time: 6 minutes, 46 seconds.

Growing trees.. Progress: 21%. Estimated remaining time: 6 minutes, 4 seconds.

Growing trees.. Progress: 28%. Estimated remaining time: 5 minutes, 33 seconds.

Growing trees.. Progress: 35%. Estimated remaining time: 4 minutes, 57 seconds.

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## Growing trees.. Progress: 43%. Estimated remaining time: 4 minutes, 22 seconds.  
## Growing trees.. Progress: 50%. Estimated remaining time: 3 minutes, 51 seconds.  
## Growing trees.. Progress: 57%. Estimated remaining time: 3 minutes, 18 seconds.  
## Growing trees.. Progress: 63%. Estimated remaining time: 2 minutes, 47 seconds.  
## Growing trees.. Progress: 70%. Estimated remaining time: 2 minutes, 15 seconds.  
## Growing trees.. Progress: 77%. Estimated remaining time: 1 minute, 44 seconds.  
## Growing trees.. Progress: 84%. Estimated remaining time: 1 minute, 14 seconds.  
## Growing trees.. Progress: 91%. Estimated remaining time: 43 seconds.  
## Growing trees.. Progress: 98%. Estimated remaining time: 11 seconds.  
## Growing trees.. Progress: 7%. Estimated remaining time: 7 minutes, 32 seconds.  
## Growing trees.. Progress: 14%. Estimated remaining time: 6 minutes, 46 seconds.  
## Growing trees.. Progress: 20%. Estimated remaining time: 6 minutes, 19 seconds.  
## Growing trees.. Progress: 27%. Estimated remaining time: 5 minutes, 39 seconds.  
## Growing trees.. Progress: 34%. Estimated remaining time: 5 minutes, 7 seconds.  
## Growing trees.. Progress: 41%. Estimated remaining time: 4 minutes, 36 seconds.  
## Growing trees.. Progress: 48%. Estimated remaining time: 4 minutes, 1 seconds.  
## Growing trees.. Progress: 55%. Estimated remaining time: 3 minutes, 28 seconds.  
## Growing trees.. Progress: 62%. Estimated remaining time: 2 minutes, 54 seconds.  
## Growing trees.. Progress: 69%. Estimated remaining time: 2 minutes, 23 seconds.  
## Growing trees.. Progress: 76%. Estimated remaining time: 1 minute, 52 seconds.  
## Growing trees.. Progress: 83%. Estimated remaining time: 1 minute, 18 seconds.  
## Growing trees.. Progress: 90%. Estimated remaining time: 46 seconds.  
## Growing trees.. Progress: 97%. Estimated remaining time: 14 seconds.  
  
# meta features from XGBoost  
  
meta_xgb_test = rep(0, nrow(test))  
  
meta_xgb_train = foreach(i = 1:k, .combine = c) %do% {  
  
  # split the raining set into two disjoint sets  
  
  train_index = setdiff(1:nrow(train), cv_index_split[[i]])  
  
  train_set1 = model.Matrix(V281 ~ . - 1, data = train[train_index], sparse = F)
```

```

train_set2 = model.Matrix(V281 ~ . - 1, data = train[cv_index_split[[i]]], sparse = F)

# xgb data

train_set1_xgb = xgb.DMatrix(data = as.matrix(train_set1), label = train[train_index]$V281)
train_set2_xgb = xgb.DMatrix(data = as.matrix(train_set2), label = train[cv_index_split[[i]]]$V281)

# level 0 prediction

temp_xgb = xgboost(data = train_set1_xgb, nround = 750, nthread = 4, max_depth = 6, eta = 0.025,
subsample = 0.7, gamma = 3)

meta_pred = predict(temp_xgb, train_set2_xgb)

meta_xgb_test = meta_xgb_test + predict(temp_xgb, test_xgb) / k

return(meta_pred)

}

## [1] train-rmse:1.041304
## [2] train-rmse:1.025138
## [3] train-rmse:1.009468
## [4] train-rmse:0.994396
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## [748] train-rmse:0.562373
## [749] train-rmse:0.562366
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# combine meta features

sg_col = c("meta_knn", "meta_glm", "meta_svm", "meta_rf", "meta_xgb", "y")

train_sg = data.frame(meta_knn_train, meta_glm_train, meta_svm_train, meta_rf_train,
meta_xgb_train, train_y)

test_sg = data.frame(meta_knn_test, meta_glm_test, meta_svm_test, meta_rf_test, meta_xgb_test,
test_y)

```

```

colnames(train_sg) = sg_col
colnames(test_sg) = sg_col

# ensemble with elastic-net regression

train_sg_sparse = model.Matrix(y ~ . - 1, data = train_sg, sparse = T)
test_sg_sparse = model.Matrix(y ~ . - 1, data = test_sg, sparse = T)
mdl_glm = cv.glmnet(train_sg_sparse, train_y, family = "gaussian", alpha = 0.2)
pred_glm = predict(mdl_glm, newx = test_sg_sparse, s = "lambda.min")
mse(pred_glm, test_y)
## [1] 0.3840147

```

```

library(data.table)
library(foreach)
library(MatrixModels)
library(xgboost)
library(ranger)

# load and combine dataset

train = fread("BlogFeedback-Train.csv")
test = fread("BlogFeedback-Test.csv")

# error measure

mse = function(y_hat, y) { mse = mean((y - y_hat)^2)
return(mse)}

# create design matrices

train_x = model.Matrix(V281 ~ . - 1, data = train, sparse = F)
train_y = train$V281

test_x = model.Matrix(V281 ~ . - 1, data = test, sparse = F)
test_y = test$V281

```

```

train_xgb = xgb.DMatrix(data = as.matrix(train_x), label = train_y)

test_xgb = xgb.DMatrix(data = as.matrix(test_x), label = test_y)

# number of models

n = 5

# fit XGBoost

pred_xgb = foreach(i = 1:n, .combine = cbind) %do% { mdl_xgb = xgboost(data = train_xgb, nround = 750, nthread = 4, max_depth = 6, eta = 0.025, subsample = 0.7, gamma = 3)
return(predict(mdl_xgb, test_xgb))}

# fit random forest

pred_rf = foreach(i = 1:n, .combine = cbind) %do% { mdl_rf = ranger(V281 ~ ., data = train, num.trees = 1000, mtry = 120, write.forest = T)
return(predict(mdl_rf, test)$predictions)}

# weighted average

mse(rowMeans(pred_rf) * 0.25 + rowMeans(pred_xgb) * 0.75, test_y)

```

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|=====|
[1] train-rmse:1.123122
[2] train-rmse:1.105641
[3] train-rmse:1.088758
[4] train-rmse:1.072427
[5] train-rmse:1.056559
[6] train-rmse:1.041096
[7] train-rmse:1.026287
[8] train-rmse:1.011939
[9] train-rmse:0.998131

```

[10] train-rmse:0.984787
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Growing trees.. Progress: 3%. Estimated remaining time: 42 minutes, 2 seconds.

Growing trees.. Progress: 4%. Estimated remaining time: 41 minutes, 42 seconds.

Growing trees.. Progress: 6%. Estimated remaining time: 39 minutes, 48 seconds.

Growing trees.. Progress: 7%. Estimated remaining time: 39 minutes, 17 seconds.

Growing trees.. Progress: 8%. Estimated remaining time: 38 minutes, 45 seconds.

Growing trees.. Progress: 10%. Estimated remaining time: 38 minutes, 8 seconds.

Growing trees.. Progress: 11%. Estimated remaining time: 36 minutes, 42 seconds.

Growing trees.. Progress: 12%. Estimated remaining time: 36 minutes, 44 seconds.

Growing trees.. Progress: 14%. Estimated remaining time: 35 minutes, 30 seconds.

Growing trees.. Progress: 15%. Estimated remaining time: 35 minutes, 25 seconds.

Growing trees.. Progress: 17%. Estimated remaining time: 34 minutes, 25 seconds.

Growing trees.. Progress: 18%. Estimated remaining time: 34 minutes, 5 seconds.

Growing trees.. Progress: 19%. Estimated remaining time: 33 minutes, 18 seconds.

Growing trees.. Progress: 21%. Estimated remaining time: 32 minutes, 48 seconds.

Growing trees.. Progress: 22%. Estimated remaining time: 32 minutes, 18 seconds.

Growing trees.. Progress: 24%. Estimated remaining time: 31 minutes, 31 seconds.

Growing trees.. Progress: 25%. Estimated remaining time: 31 minutes, 4 seconds.

Growing trees.. Progress: 26%. Estimated remaining time: 30 minutes, 37 seconds.

Growing trees.. Progress: 28%. Estimated remaining time: 29 minutes, 55 seconds.

Growing trees.. Progress: 29%. Estimated remaining time: 29 minutes, 22 seconds.

Growing trees.. Progress: 30%. Estimated remaining time: 29 minutes, 0 seconds.

Growing trees.. Progress: 31%. Estimated remaining time: 28 minutes, 32 seconds.

Growing trees.. Progress: 33%. Estimated remaining time: 28 minutes, 4 seconds.

Growing trees.. Progress: 34%. Estimated remaining time: 27 minutes, 25 seconds.

Growing trees.. Progress: 35%. Estimated remaining time: 26 minutes, 58 seconds.

Growing trees.. Progress: 37%. Estimated remaining time: 26 minutes, 18 seconds.

Growing trees.. Progress: 38%. Estimated remaining time: 25 minutes, 50 seconds.

Growing trees.. Progress: 39%. Estimated remaining time: 25 minutes, 18 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 24 minutes, 45 seconds.

Growing trees.. Progress: 42%. Estimated remaining time: 24 minutes, 11 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 23 minutes, 41 seconds.

Growing trees.. Progress: 45%. Estimated remaining time: 23 minutes, 1 seconds.

Growing trees.. Progress: 46%. Estimated remaining time: 22 minutes, 33 seconds.

Growing trees.. Progress: 47%. Estimated remaining time: 21 minutes, 58 seconds.

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Growing trees.. Progress: 51%. Estimated remaining time: 20 minutes, 16 seconds.

Growing trees.. Progress: 53%. Estimated remaining time: 19 minutes, 44 seconds.

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Growing trees.. Progress: 59%. Estimated remaining time: 16 minutes, 55 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 16 minutes, 13 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 15 minutes, 43 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 15 minutes, 4 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 14 minutes, 33 seconds.

Growing trees.. Progress: 66%. Estimated remaining time: 13 minutes, 56 seconds.

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Growing trees.. Progress: 72%. Estimated remaining time: 11 minutes, 47 seconds.

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Growing trees.. Progress: 74%. Estimated remaining time: 10 minutes, 38 seconds.

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Growing trees.. Progress: 78%. Estimated remaining time: 8 minutes, 58 seconds.

Growing trees.. Progress: 80%. Estimated remaining time: 8 minutes, 26 seconds.

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Growing trees.. Progress: 84%. Estimated remaining time: 6 minutes, 49 seconds.

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Growing trees.. Progress: 86%. Estimated remaining time: 6 minutes, 14 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 5 minutes, 58 seconds.

Growing trees.. Progress: 87%. Estimated remaining time: 5 minutes, 33 seconds.

Growing trees.. Progress: 88%. Estimated remaining time: 5 minutes, 14 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 4 minutes, 54 seconds.

Growing trees.. Progress: 90%. Estimated remaining time: 4 minutes, 34 seconds.

Growing trees.. Progress: 91%. Estimated remaining time: 4 minutes, 14 seconds.

Growing trees.. Progress: 91%. Estimated remaining time: 3 minutes, 54 seconds.

Growing trees.. Progress: 92%. Estimated remaining time: 3 minutes, 33 seconds.

Growing trees.. Progress: 93%. Estimated remaining time: 3 minutes, 12 seconds.

Growing trees.. Progress: 94%. Estimated remaining time: 2 minutes, 51 seconds.

Growing trees.. Progress: 95%. Estimated remaining time: 2 minutes, 30 seconds.

Growing trees.. Progress: 95%. Estimated remaining time: 2 minutes, 11 seconds.

Growing trees.. Progress: 96%. Estimated remaining time: 1 minute, 55 seconds.

Growing trees.. Progress: 97%. Estimated remaining time: 1 minute, 33 seconds.

Growing trees.. Progress: 98%. Estimated remaining time: 1 minute, 11 seconds.

Growing trees.. Progress: 98%. Estimated remaining time: 48 seconds.

Growing trees.. Progress: 99%. Estimated remaining time: 25 seconds.

Growing trees.. Progress: 100%. Estimated remaining time: 2 seconds.

Growing trees.. Progress: 1%. Estimated remaining time: 46 minutes, 49 seconds.

Growing trees.. Progress: 3%. Estimated remaining time: 42 minutes, 24 seconds.

Growing trees.. Progress: 4%. Estimated remaining time: 39 minutes, 6 seconds.

Growing trees.. Progress: 6%. Estimated remaining time: 39 minutes, 42 seconds.

Growing trees.. Progress: 7%. Estimated remaining time: 37 minutes, 48 seconds.

Growing trees.. Progress: 9%. Estimated remaining time: 38 minutes, 2 seconds.

Growing trees.. Progress: 10%. Estimated remaining time: 36 minutes, 27 seconds.

Growing trees.. Progress: 11%. Estimated remaining time: 36 minutes, 22 seconds.

Growing trees.. Progress: 13%. Estimated remaining time: 35 minutes, 24 seconds.

Growing trees.. Progress: 14%. Estimated remaining time: 35 minutes, 1 seconds.

Growing trees.. Progress: 16%. Estimated remaining time: 34 minutes, 5 seconds.

Growing trees.. Progress: 17%. Estimated remaining time: 33 minutes, 50 seconds.

Growing trees.. Progress: 18%. Estimated remaining time: 33 minutes, 20 seconds.

Growing trees.. Progress: 20%. Estimated remaining time: 32 minutes, 32 seconds.

Growing trees.. Progress: 21%. Estimated remaining time: 32 minutes, 18 seconds.

Growing trees.. Progress: 22%. Estimated remaining time: 31 minutes, 32 seconds.

Growing trees.. Progress: 24%. Estimated remaining time: 31 minutes, 7 seconds.

Growing trees.. Progress: 25%. Estimated remaining time: 30 minutes, 17 seconds.

Growing trees.. Progress: 26%. Estimated remaining time: 29 minutes, 58 seconds.

Growing trees.. Progress: 28%. Estimated remaining time: 29 minutes, 18 seconds.

Growing trees.. Progress: 29%. Estimated remaining time: 28 minutes, 46 seconds.

Growing trees.. Progress: 31%. Estimated remaining time: 28 minutes, 5 seconds.

Growing trees.. Progress: 32%. Estimated remaining time: 27 minutes, 35 seconds.

Growing trees.. Progress: 33%. Estimated remaining time: 27 minutes, 4 seconds.

Growing trees.. Progress: 35%. Estimated remaining time: 26 minutes, 26 seconds.

Growing trees.. Progress: 36%. Estimated remaining time: 25 minutes, 55 seconds.

Growing trees.. Progress: 38%. Estimated remaining time: 25 minutes, 18 seconds.

Growing trees.. Progress: 39%. Estimated remaining time: 24 minutes, 45 seconds.

Growing trees.. Progress: 40%. Estimated remaining time: 24 minutes, 5 seconds.

Growing trees.. Progress: 42%. Estimated remaining time: 23 minutes, 36 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 23 minutes, 0 seconds.

Growing trees.. Progress: 45%. Estimated remaining time: 22 minutes, 28 seconds.

Growing trees.. Progress: 46%. Estimated remaining time: 21 minutes, 53 seconds.

Growing trees.. Progress: 47%. Estimated remaining time: 21 minutes, 19 seconds.

Growing trees.. Progress: 49%. Estimated remaining time: 20 minutes, 45 seconds.

Growing trees.. Progress: 50%. Estimated remaining time: 20 minutes, 10 seconds.

Growing trees.. Progress: 51%. Estimated remaining time: 19 minutes, 39 seconds.

Growing trees.. Progress: 53%. Estimated remaining time: 19 minutes, 3 seconds.

Growing trees.. Progress: 54%. Estimated remaining time: 18 minutes, 28 seconds.

Growing trees.. Progress: 56%. Estimated remaining time: 17 minutes, 58 seconds.

Growing trees.. Progress: 57%. Estimated remaining time: 17 minutes, 16 seconds.

Growing trees.. Progress: 59%. Estimated remaining time: 16 minutes, 42 seconds.

Growing trees.. Progress: 60%. Estimated remaining time: 16 minutes, 8 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 15 minutes, 38 seconds.

Growing trees.. Progress: 63%. Estimated remaining time: 15 minutes, 3 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 14 minutes, 32 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 14 minutes, 1 seconds.

Growing trees.. Progress: 67%. Estimated remaining time: 13 minutes, 26 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 12 minutes, 55 seconds.

Growing trees.. Progress: 69%. Estimated remaining time: 12 minutes, 24 seconds.

Growing trees.. Progress: 71%. Estimated remaining time: 11 minutes, 54 seconds.

Growing trees.. Progress: 72%. Estimated remaining time: 11 minutes, 20 seconds.

Growing trees.. Progress: 73%. Estimated remaining time: 10 minutes, 46 seconds.

Growing trees.. Progress: 75%. Estimated remaining time: 10 minutes, 16 seconds.

Growing trees.. Progress: 76%. Estimated remaining time: 9 minutes, 41 seconds.

Growing trees.. Progress: 77%. Estimated remaining time: 9 minutes, 10 seconds.

Growing trees.. Progress: 79%. Estimated remaining time: 8 minutes, 39 seconds.

Growing trees.. Progress: 80%. Estimated remaining time: 8 minutes, 1 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 7 minutes, 30 seconds.

Growing trees.. Progress: 83%. Estimated remaining time: 6 minutes, 59 seconds.

Growing trees.. Progress: 84%. Estimated remaining time: 6 minutes, 33 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 6 minutes, 5 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 5 minutes, 33 seconds.

Growing trees.. Progress: 88%. Estimated remaining time: 4 minutes, 57 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 4 minutes, 25 seconds.

Growing trees.. Progress: 91%. Estimated remaining time: 3 minutes, 48 seconds.

Growing trees.. Progress: 92%. Estimated remaining time: 3 minutes, 27 seconds.

Growing trees.. Progress: 93%. Estimated remaining time: 2 minutes, 59 seconds.

Growing trees.. Progress: 94%. Estimated remaining time: 2 minutes, 40 seconds.

Growing trees.. Progress: 95%. Estimated remaining time: 2 minutes, 10 seconds.

Growing trees.. Progress: 96%. Estimated remaining time: 1 minute, 43 seconds.

Growing trees.. Progress: 97%. Estimated remaining time: 1 minute, 24 seconds.

Growing trees.. Progress: 97%. Estimated remaining time: 1 minute, 5 seconds.

Growing trees.. Progress: 98%. Estimated remaining time: 47 seconds.

Growing trees.. Progress: 99%. Estimated remaining time: 27 seconds.

Growing trees.. Progress: 100%. Estimated remaining time: 7 seconds.

Growing trees.. Progress: 1%. Estimated remaining time: 51 minutes, 9 seconds.

Growing trees.. Progress: 2%. Estimated remaining time: 42 minutes, 42 seconds.

Growing trees.. Progress: 4%. Estimated remaining time: 44 minutes, 14 seconds.

Growing trees.. Progress: 5%. Estimated remaining time: 40 minutes, 24 seconds.

Growing trees.. Progress: 7%. Estimated remaining time: 40 minutes, 45 seconds.

Growing trees.. Progress: 8%. Estimated remaining time: 38 minutes, 43 seconds.

Growing trees.. Progress: 9%. Estimated remaining time: 38 minutes, 41 seconds.

Growing trees.. Progress: 11%. Estimated remaining time: 37 minutes, 18 seconds.

Growing trees.. Progress: 12%. Estimated remaining time: 36 minutes, 48 seconds.

Growing trees.. Progress: 13%. Estimated remaining time: 36 minutes, 11 seconds.

Growing trees.. Progress: 15%. Estimated remaining time: 35 minutes, 30 seconds.

Growing trees.. Progress: 16%. Estimated remaining time: 34 minutes, 44 seconds.

Growing trees.. Progress: 18%. Estimated remaining time: 34 minutes, 5 seconds.

Growing trees.. Progress: 19%. Estimated remaining time: 33 minutes, 36 seconds.

Growing trees.. Progress: 20%. Estimated remaining time: 32 minutes, 50 seconds.

Growing trees.. Progress: 22%. Estimated remaining time: 32 minutes, 17 seconds.

Growing trees.. Progress: 23%. Estimated remaining time: 31 minutes, 44 seconds.

Growing trees.. Progress: 24%. Estimated remaining time: 31 minutes, 5 seconds.

Growing trees.. Progress: 26%. Estimated remaining time: 30 minutes, 32 seconds.

Growing trees.. Progress: 27%. Estimated remaining time: 30 minutes, 0 seconds.

Growing trees.. Progress: 28%. Estimated remaining time: 29 minutes, 22 seconds.

Growing trees.. Progress: 30%. Estimated remaining time: 28 minutes, 52 seconds.

Growing trees.. Progress: 31%. Estimated remaining time: 28 minutes, 10 seconds.

Growing trees.. Progress: 32%. Estimated remaining time: 27 minutes, 40 seconds.

Growing trees.. Progress: 34%. Estimated remaining time: 27 minutes, 8 seconds.

Growing trees.. Progress: 35%. Estimated remaining time: 26 minutes, 30 seconds.

Growing trees.. Progress: 37%. Estimated remaining time: 26 minutes, 0 seconds.

Growing trees.. Progress: 38%. Estimated remaining time: 25 minutes, 23 seconds.

Growing trees.. Progress: 39%. Estimated remaining time: 24 minutes, 53 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 24 minutes, 15 seconds.

Growing trees.. Progress: 42%. Estimated remaining time: 23 minutes, 43 seconds.

Growing trees.. Progress: 44%. Estimated remaining time: 23 minutes, 5 seconds.

Growing trees.. Progress: 45%. Estimated remaining time: 22 minutes, 36 seconds.

Growing trees.. Progress: 46%. Estimated remaining time: 21 minutes, 59 seconds.

Growing trees.. Progress: 48%. Estimated remaining time: 21 minutes, 27 seconds.

Growing trees.. Progress: 49%. Estimated remaining time: 20 minutes, 46 seconds.

Growing trees.. Progress: 50%. Estimated remaining time: 20 minutes, 16 seconds.

Growing trees.. Progress: 52%. Estimated remaining time: 19 minutes, 39 seconds.

Growing trees.. Progress: 53%. Estimated remaining time: 19 minutes, 7 seconds.

Growing trees.. Progress: 54%. Estimated remaining time: 18 minutes, 36 seconds.

Growing trees.. Progress: 56%. Estimated remaining time: 18 minutes, 4 seconds.

Growing trees.. Progress: 57%. Estimated remaining time: 17 minutes, 32 seconds.

Growing trees.. Progress: 58%. Estimated remaining time: 16 minutes, 59 seconds.

Growing trees.. Progress: 60%. Estimated remaining time: 16 minutes, 22 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 15 minutes, 50 seconds.

Growing trees.. Progress: 63%. Estimated remaining time: 15 minutes, 11 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 14 minutes, 42 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 14 minutes, 6 seconds.

Growing trees.. Progress: 67%. Estimated remaining time: 13 minutes, 32 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 12 minutes, 58 seconds.

Growing trees.. Progress: 70%. Estimated remaining time: 12 minutes, 24 seconds.

Growing trees.. Progress: 71%. Estimated remaining time: 11 minutes, 50 seconds.

Growing trees.. Progress: 72%. Estimated remaining time: 11 minutes, 18 seconds.

Growing trees.. Progress: 74%. Estimated remaining time: 10 minutes, 46 seconds.

Growing trees.. Progress: 75%. Estimated remaining time: 10 minutes, 14 seconds.

Growing trees.. Progress: 76%. Estimated remaining time: 9 minutes, 39 seconds.

Growing trees.. Progress: 78%. Estimated remaining time: 9 minutes, 8 seconds.

Growing trees.. Progress: 79%. Estimated remaining time: 8 minutes, 36 seconds.

Growing trees.. Progress: 80%. Estimated remaining time: 8 minutes, 4 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 7 minutes, 30 seconds.

Growing trees.. Progress: 83%. Estimated remaining time: 6 minutes, 58 seconds.

Growing trees.. Progress: 84%. Estimated remaining time: 6 minutes, 24 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 5 minutes, 52 seconds.

Growing trees.. Progress: 87%. Estimated remaining time: 5 minutes, 20 seconds.

Growing trees.. Progress: 88%. Estimated remaining time: 4 minutes, 43 seconds.

Growing trees.. Progress: 90%. Estimated remaining time: 4 minutes, 12 seconds.

Growing trees.. Progress: 91%. Estimated remaining time: 3 minutes, 35 seconds.

Growing trees.. Progress: 93%. Estimated remaining time: 3 minutes, 3 seconds.

Growing trees.. Progress: 94%. Estimated remaining time: 2 minutes, 26 seconds.

Growing trees.. Progress: 95%. Estimated remaining time: 1 minute, 55 seconds.

Growing trees.. Progress: 97%. Estimated remaining time: 1 minute, 20 seconds.

Growing trees.. Progress: 98%. Estimated remaining time: 48 seconds.

Growing trees.. Progress: 99%. Estimated remaining time: 17 seconds.

[1] 0.3810031

Basic testing model

Model

Error

k-NN

0.638315

LASSO
0.635483
SVM
0.445464
Random Forest
0.396741
Boosting
0.382399

Weighted Average

Model
Error
Best RF
0.396415
Best BST
0.382642
Mean RF
0.396803
Mean BST
0.382934
Best RF + BST
0.380572
Mean RF + BST
0.381167

Stacked Generalization

1. Split the training dataset in to k folds.

2. For i-th fold of training data, train models with each of the level-0 learners on the rest of the training data.
3. Make predictions using the models we trained:
 - * make predictions on i-th fold of data.
 - * make predictions on the test set.
4. Repeat 2. and 3. until we used all k folds of training data.
5. Generate the level-1 data using predictions we obtained:
 - * generate level-1 training data by concatenating the predictions we made on each fold of the training data.
 - * generate level-1 test data by averaging the predictions we made on the test set.
6. Train a level-1 generalizer using the level-1 data and the correct responses, make predictions.

Model

Error

LV-1 k-NN

0.631110

LV-1 LASSO

0.624957

LV-1 SVM

0.443895

LV-1 RF

0.393018

LV-1 BST

0.379804

Stacked

0.382274

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the Knit button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)

##   speed      dist
## Min. :4.0  Min. : 2.00
## 1st Qu.:12.0 1st Qu.:26.00
## Median :15.0  Median :36.00
## Mean   :15.4  Mean   :42.98
## 3rd Qu.:19.0 3rd Qu.:56.00
## Max.  :25.0  Max.  :120.00
```

Including Plots

You can also embed plots, for example:

Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.

#c. Visualize the dataset and make inferences from that
#d. Perform any 3 hypothesis tests using columns of your choice, make conclusions
#e. Create a linear regression model to predict the number of comments in the next 24 hours (relative to basetime)

```
library(ISLR)
train_sg <- read.csv("Analysis data/train_sg.csv")

test_sg <- read.csv("Analysis data/test_sg.csv")
View(train_sg)
```

```
View(test_sg)

str(train_sg)

'data.frame':52397 obs. of  8 variables:

$ X: int  1 2 3 4 5 6 7 8 9 10 ...
$ meta_knn : num  0.814 0.781 0.781 0.814 0.781 ...
$ meta_glm : num  0.801 0.517 0.517 0.801 0.483 ...
$ meta_svm : num  1.023 0.307 0.307 1.023 0.245 ...
$ meta_rf  : num  1.071 0.325 0.325 1.071 0.189 ...
$ meta_xgb : num  1.033 0.447 0.447 1.033 0.252 ...
$ y: num  0.693 0 0 0.693 3.332 ...
$ predicted: num  0.841 0.421 0.421 0.841 0.345 ...

str(test_sg)

'data.frame':7624 obs. of  7 variables:

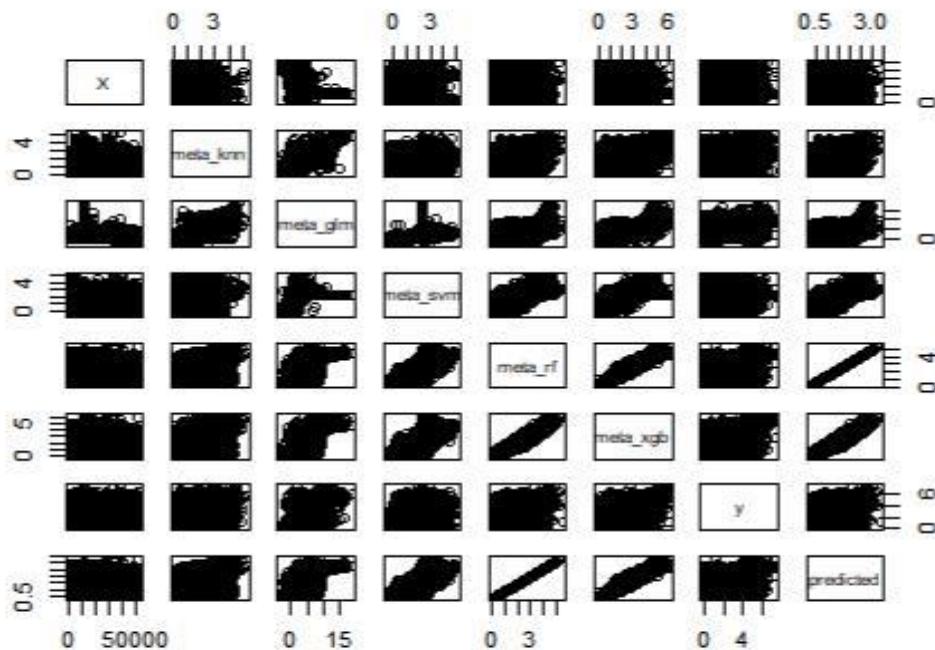
$ X: int  1 2 3 4 5 6 7 8 9 10 ...
$ meta_knn: num  1.512 0.3 0.073 0.91 0.105 ...
$ meta_glm: num  0.942 0.273 0.672 0.904 0.699 ...
$ meta_svm: num  2.2461 0.0626 0.1968 1.2284 0.7475 ...
$ meta_rf  : num  2.379 0.21 0.572 1.558 0.625 ...
$ meta_xgb: num  2.228 0.144 0.457 1.38 0.626 ...

$ y: num  1.609 0 0.693 1.792 0 ...

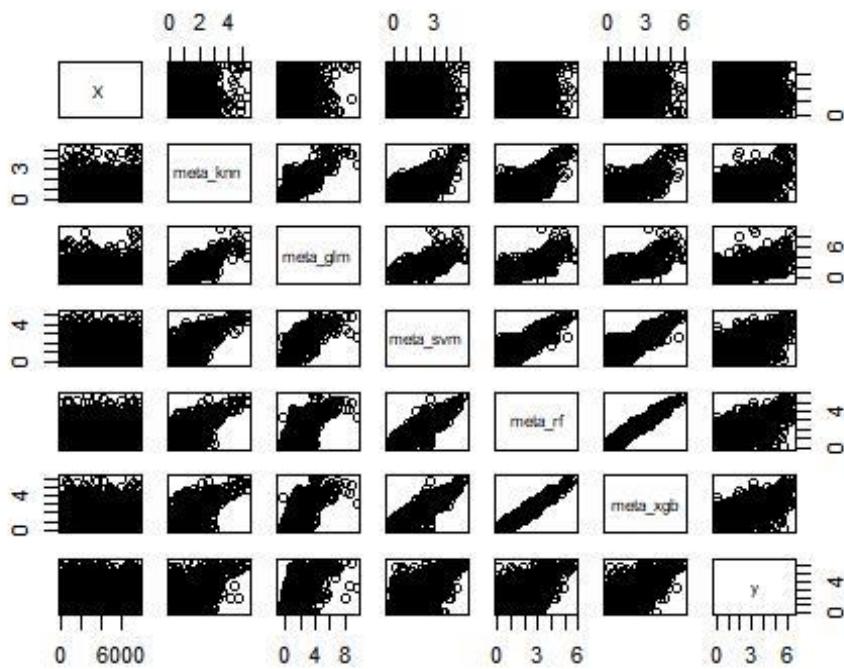
write.csv(train_sg,'c:/users/seshan/Desktop/BlogFeedback/Analysis data/train_sg2.csv')

write.csv(test_sg,'c:/users/seshan/Desktop/BlogFeedback/Analysis data/test_sg2.csv')
```

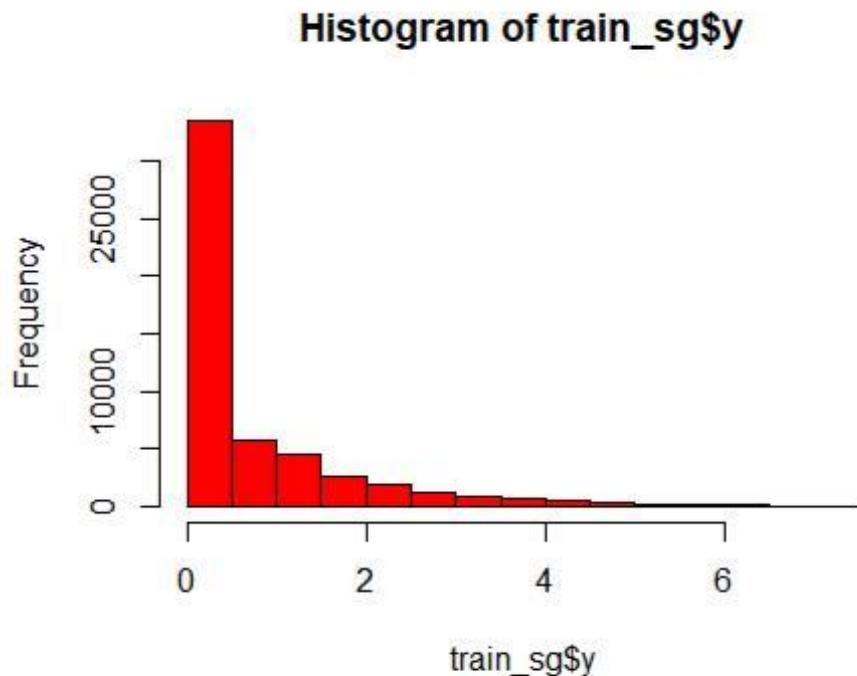
```
pairs(train_sg)
```



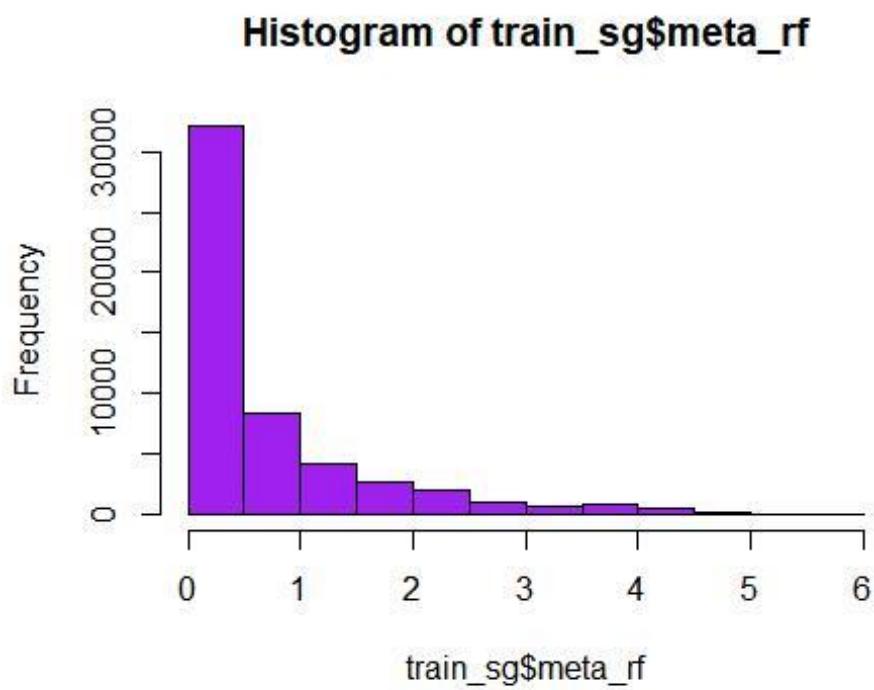
```
pairs(test_sg)
```



```
hist(train_sg$y,col='red')
```



```
hist(train_sg$meta_rf,col="purple")
```



```

library(tree)
tree.train_sg<-tree(meta_knn~.-meta_rf,train_sg)

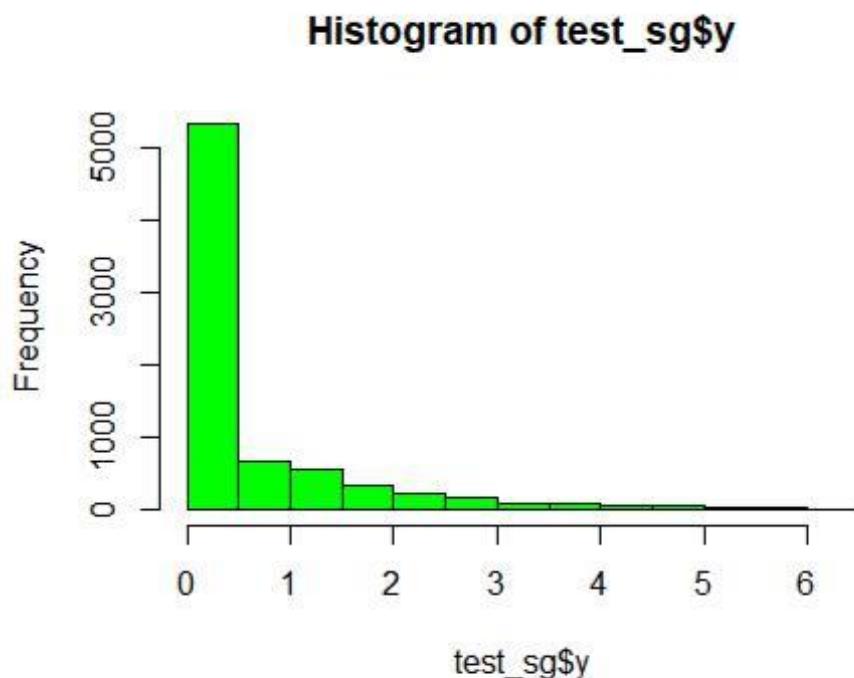
summary(tree.train_sg)

##

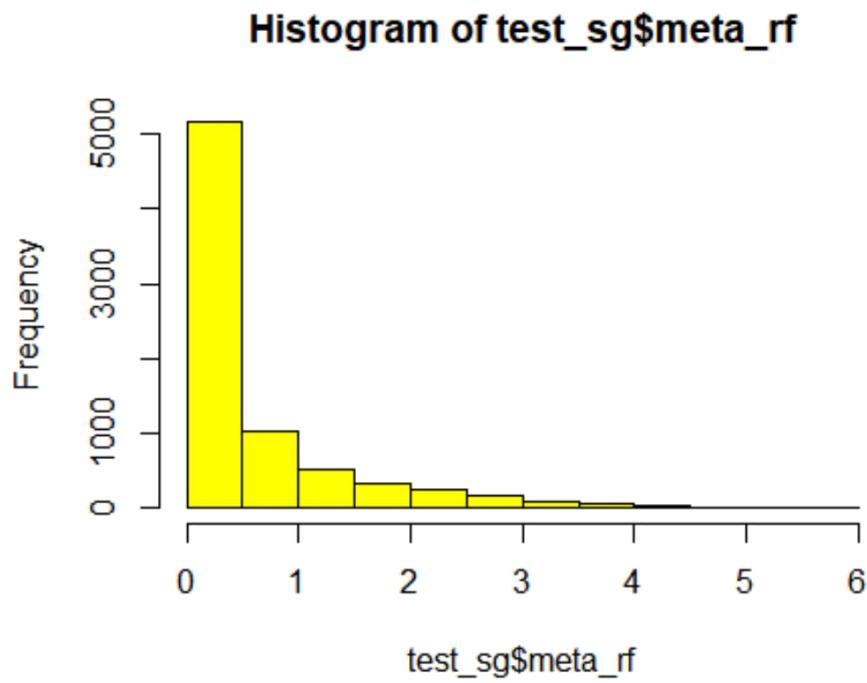
Regression tree:
tree(formula = meta_knn ~ . - meta_rf, data = train_sg)
Variables actually used in tree construction:
[1] "meta_glm"   "predicted" "X"
Number of terminal nodes:  7
Residual mean deviance:  0.2107 = 11040 / 52390
Distribution of residuals:
##      Min.    1st Qu.     Median      Mean    3rd Qu.      Max.
## -2.58400 -0.24930 -0.08339  0.00000    0.18070    2.95500

hist(test_sg$y,col='green')

```



```
hist(test_sg$meta_rf,col="yellow")
```



```

tree.test_sg<-tree(meta_knn~.-meta_rf,test_sg)
summary(tree.test_sg)

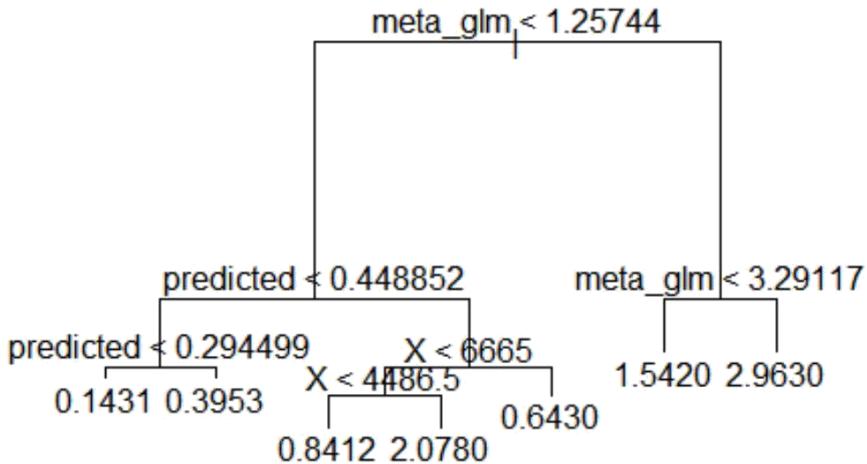
##
Regression tree:

tree(formula = meta_knn ~ . - meta_rf, data = test_sg)
Variables actually used in tree construction:
[1] "meta_svm" "meta_xgb" "meta_glm"
Number of terminal nodes: 8
Residual mean deviance: 0.1209 = 920.6 / 7616
Distribution of residuals:

##      Min. 1st Qu.    Median      Mean 3rd Qu.      Max.
## -2.01700 -0.18530 -0.04892 0.00000   0.13930  2.38200

plot(tree.train_sg)
text(tree.train_sg,pretty = 0)

```



```

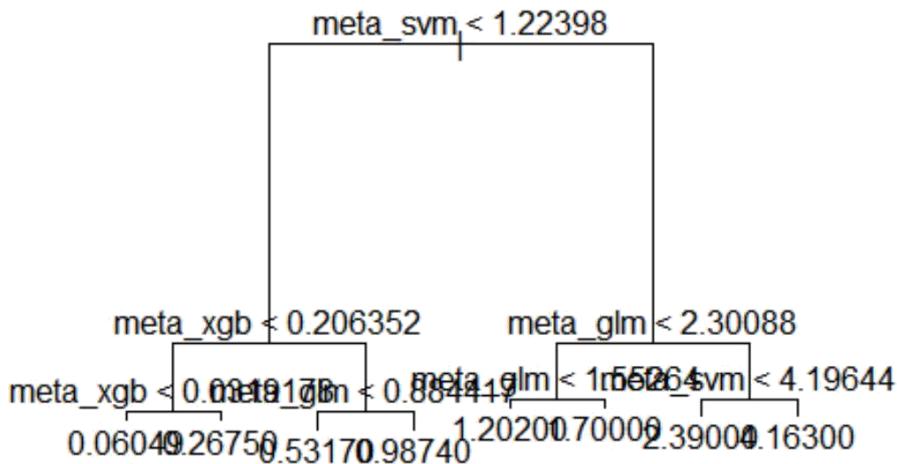
tree.train_sg

node), split, n, deviance, yval
* denotes terminal node

1) root 52397 29010.0 0.6265
2) meta_glm < 1.25744 46493 12670.0 0.4686
4) predicted < 0.448852 28364 3030.0 0.2755
##   8) predicted < 0.294499 13468 598.3 0.1431 *
9) predicted > 0.294499 14896 1982.0 0.3953 *
5) predicted > 0.448852 18129 6924.0 0.7708
10) X < 6665 3792 2757.0 1.2540
##   20) X < 4486.5 2527 437.5 0.8412 *
21) X > 4486.5 1265 1029.0 2.0780 *
11) X > 6665 14337 3047.0 0.6430 *
3) meta_glm > 1.25744 5904 6060.0 1.8690
6) meta_glm < 3.29117 4543 2705.0 1.5420 *
7) meta_glm > 3.29117 1361 1238.0 2.9630 *

```

```
plot(tree.test_sg)  
text(tree.test_sg, pretty = 0)
```



```

tree.test_sg

node), split, n, deviance, yval
* denotes terminal node

1) root 7624 3179.00 0.51330
2) meta_svm < 1.22398 6620 1010.00 0.34550
4) meta_xgb < 0.206352 4021 235.20 0.16700
##   8) meta_xgb < 0.0319178 1953 31.75 0.06049 *
9) meta_xgb > 0.0319178 2068 160.40 0.26750 *
5) meta_xgb > 0.206352 2599 448.70 0.62170
10) meta_glm < 0.884417 2086 260.40 0.53170 *
11) meta_glm > 0.884417 513 102.80 0.98740 *
3) meta_svm > 1.22398 1004 752.10 1.62000
6) meta_glm < 2.30088 794 308.20 1.35400
12) meta_glm < 1.55264 552 192.40 1.20200 *
##   13) meta_glm > 1.55264 242 74.04 1.70000 *
7) meta_glm > 2.30088 210 175.10 2.62600

```

```
##    14) meta_svm < 4.19644 182 79.30 2.39000 *
##    15) meta_svm > 4.19644 28   19.50 4.16300 *

t.test(train_sg$meta_knn, mu=0.6)

##
One Sample t-test

data: train_sg$meta_knn
```

```
t = 8.1469, df = 52396, p-value = 3.816e-16
alternative hypothesis: true mean is not equal to 0.6
95 percent confidence interval:
0.6201103 0.6328522
sample estimates:
mean of x
0.6264813

t.test(train_sg$meta_rf, mu=0.7)
##
```

One Sample t-test

```
data: train_sg$meta_rf
t = -2.7086, df = 52396, p-value = 0.006758
alternative hypothesis: true mean is not equal to 0.7
95 percent confidence interval:
0.6815865 0.6970473
sample estimates:
mean of x
0.6893169
```

```
t.test(train_sg$meta_rf, mu=0.5, conf.level =0.80 )
```

```
##  
One Sample t-test
```

```
data: train_sg$meta_rf
t = 48.001, df = 52396, p-value < 2.2e-16
alternative hypothesis: true mean is not equal to 0.5
80 percent confidence interval:
0.6842624 0.6943715
sample estimates:
mean of x
0.6893169
```

```
t.test(train_sg$y, mu=0.5)
```

```
##  
One Sample t-test
```

```
data: train_sg$y
```

```
t = 28.673, df = 52396, p-value < 2.2e-16
alternative hypothesis: true mean is not equal to 0.5
95 percent confidence interval:
0.6321481 0.6515403
sample estimates:
mean of x
0.6418442
```

```
t.test(test_sg$meta_knn, mu=0.6)
```

```
##  
One Sample t-test  
  
data: test_sg$meta_knn  
t = -11.721, df = 7623, p-value < 2.2e-16  
  
alternative hypothesis: true mean is not equal to 0.6  
95 percent confidence interval:  
0.4988219 0.5278157  
sample estimates:  
mean of x  
0.5133188  
  
t.test(test_sg$meta_rf, mu=0.7)
```

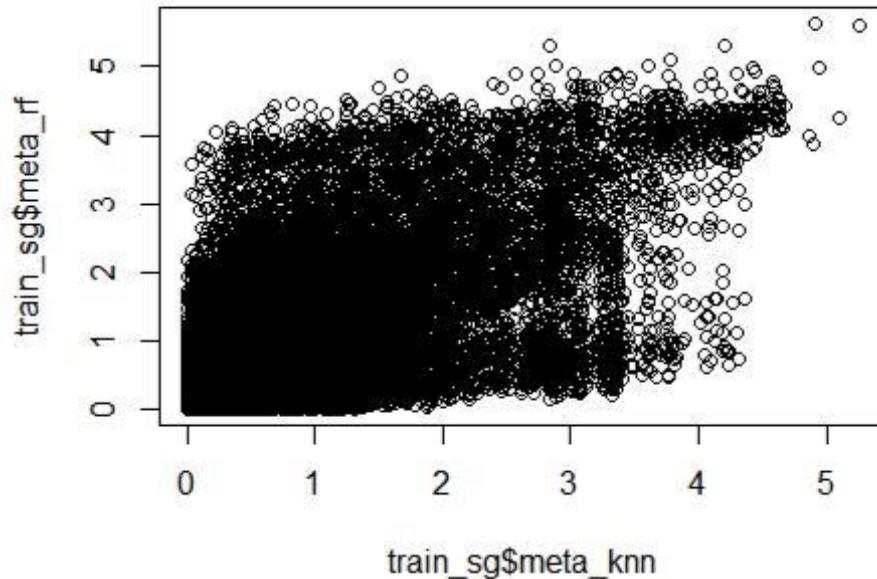
```
##  
One Sample t-test  
  
data: test_sg$meta_rf  
t = -15.224, df = 7623, p-value < 2.2e-16  
  
alternative hypothesis: true mean is not equal to 0.7  
  
95 percent confidence interval:  
0.5371179 0.5742784  
sample estimates:  
mean of x  
0.5556982  
  
t.test(test_sg$meta_rf, mu=0.5, conf.level =0.80 )  
  
##  
One Sample t-test
```

```
data: test_sg$meta_rf  
t = 5.8763, df = 7623, p-value = 4.371e-09  
  
alternative hypothesis: true mean is not equal to 0.5  
80 percent confidence interval:  
0.5435501 0.5678462  
sample estimates:  
mean of x  
0.5556982
```

```
t.test(test_sg$y, mu=0.5)
```

```
##  
One Sample t-test  
  
data: test_sg$y  
t = 2.6961, df = 7623, p-value = 0.007032  
alternative hypothesis: true mean is not equal to 0.5  
95 percent confidence interval:  
0.5088693 0.5561278  
sample estimates:  
                
```

```
mean of x  
0.5324985  
  
plot(train_sg$meta_knn,train_sg$meta_rf)
```



```
cor(train_sg$meta_knn,train_sg$meta_rf)  
## [1] 0.6833799  
  
mod<-lm(train_sg$meta_knn~train_sg$meta_rf)  
summary(mod)  
  
##  
Call:  
lm(formula = train_sg$meta_knn ~ train_sg$meta_rf)
```

Residuals:

```
##      Min    1Q    Median     3Q    Max  
-2.2820 -0.2547 -0.1302  0.1686  3.6672
```

Coefficients:

```
##             Estimate Std. Error t value Pr(>|t|)  
## (Intercept)  0.238255   0.002986   79.8    <2e-16 ***  
## train_sg$meta_rf 0.563204   0.002629  214.3    <2e-16 ***  
---
```

```
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
Residual standard error: 0.5432 on 52395 degrees of freedom
```

```
Multiple R-squared:  0.467,  Adjusted R-squared:  0.467
F-statistic: 4.591e+04 on 1 and 52395 DF,  p-value: < 2.2e-16
```

```
predict(mod)
```

```
##   1      2      3      4      5      6      7
## 0.8414068 0.4213149 0.4213149 0.8414068 0.3447891 0.3042990 0.3042990
##   8      9     10     11     12     13     14
## 0.3447891 1.1565913 1.1565913 0.4424957 0.3118176 2.2845929 0.2823919
##  15     16     17     18     19     20     21
## 2.1216459 0.9837625 0.4979952 0.9837625 2.1216459 1.0155111 1.0794422
##  22     23     24     25     26     27     28
## 0.4839055 1.0794422 1.0155111 0.4176054 1.0800593 1.0800593 0.4176054
##  29     30     31     32     33     34     35
## 0.6383645 0.6383645 0.4284125 0.4284125 0.7057421 0.7057421 1.9423982
##  36     37     38     39     40     41     42
## 0.4338347 0.4338347 1.2599549 0.4338347 0.2857556 0.2857556 0.5220561
##  43     44     45     46     47     48     49
## 0.2857556 0.2905905 0.2905905 0.2905905 1.2852160 1.0791965 1.0774898
##  50     51     52     53     54     55     56
## 0.6423621 0.6423621 0.6423621 0.3315403 0.3315403 0.3315403 0.3151083
##  57     58     59     60     61     62     63
## 0.3151083 0.3151083 1.4803724 0.8005108 0.4980541 1.4060976 1.4060976
##  64     65     66     67     68     69     70
## 0.4674617 0.4674617 0.4569044 0.4569044 1.0624392 1.7475782 1.0624392
##  71     72     73     74     75     76     77
## 0.7878870 1.0952086 0.7878870 0.3933332 0.4143871 0.3933332 0.9327907
##  78     79     80     81     82     83     84
## 0.7552861 0.3790611 1.6547373 1.1867644 0.5011195 1.0527874 1.9045307
##  85     86     87     88     89     90     91
## 0.8749275 1.9045307 0.7128375 0.7483377 0.7128375 0.7855239 0.7855239
##  92     93     94     95     96     97     98
## 2.3291713 2.3291713 0.4924995 0.4924995 0.3939384 0.3939384 0.4889215
##  99    100    101    102    103    104    105
## 0.4889215 0.6687626 0.6687626 0.6098243 0.6098243 1.7697807 1.3328000
## 106    107    108    109    110    111    112
## 0.6065465 0.8768559 0.6211574 1.3740367 0.4373032 1.3740367 0.5581219
## 113    114    115    116    117    118    119
## 0.5581219 1.1349977 1.1349977 1.4607502 0.4122906 2.6466797 0.3772606
## 120    121    122    123    124    125    126
## 1.2415345 0.4031703 1.4450458 1.4450458 1.4450458 0.6294284 0.6294284
## 127    128    129    130    131    132    133
## 0.6294284 0.5317768 0.5317768 0.5317768 1.6159178 1.6159178 1.1265518
## 134    135    136    137    138    139    140
## 1.1265518 0.8672763 0.8672763 1.6966939 1.6966939 1.4556061 0.5212169
## 141    142    143    144    145    146    147
## 0.5212169 0.7544257 0.3787726 0.3787726 0.3909224 1.3600749 1.0505751
## 148    149    150    151    152    153    154
## 1.8776521 0.5886286 0.7185088 0.5180656 1.4091836 0.3682860 1.4140690
## 155    156    157    158    159    160    161
```

```

## 0.3445628 1.4140690 0.7736067 0.7736067 0.4573351 0.4573351 1.2752827
## 162 163 164 165 166 167 168
## 1.2752827 0.7495661 0.7495661 0.5991465 0.5991465 1.5927997 0.5609879
## 169 170 171 172 173 174 175
## 1.5236587 0.4150035 1.5357084 1.3589381 1.3748172 0.9354629 0.9323633
## 176 177 178 179 180 181 182
## 0.6963171 0.7022297 1.4522910 1.4522910 1.4255581 0.4633940 0.4633940
## 183 184 185 186 187 188 189
## 0.9403635 0.3312974 0.3312974 0.5703092 1.0514553 1.8624891 1.8624891
## 190 191 192 193 194 195 196
## 0.2905084 0.4349810 0.4349810 0.4682126 0.4401276 0.4401276 1.1847861
## 197 198 199 200 201 202 203
## 1.1847861 0.4685277 0.4685277 0.2977791 0.2977791 0.8630484 0.8630484
## 204 205 206 207 208 209 210
## 0.3140421 0.3140421 0.3025992 0.3025992 2.0186311 1.1362259 0.8550442
## 211 212 213 214 215 216 217
## 1.5322221 1.5322221 0.5935698 0.5935698 0.5454077 1.8666441 0.5454077
## 218 219 220 221 222 223 224
## 1.8666441 0.4985852 0.4985852 1.3583185 1.3583185 0.5483881 1.3583185
## 225 226 227 228 229 230 231
## 0.5483881 1.0614935 1.1650035 1.1650035 1.0614935 2.3829610 2.3829610
## 232 233 234 235 236 237 238
## 2.3829610 1.1650035 0.5613938 0.5210424 0.5210424 0.5613938 1.1961880
## 239 240 241 242 243 244 245
## 1.1961880 1.1961880 0.5210424 0.3306432 0.3306432 0.8952665 0.8952665
## 246 247 248 249 250 251 252
## 0.8952665 0.9297270 0.9297270 0.4296323 0.4296323 1.0175381 0.4366711
## 253 254 255 256 257 258 259
## 0.4366711 1.0175381 1.0175381 0.5449797 0.5449797 0.5449797 1.0258856
## 260 261 262 263 264 265 266
## 0.3555605 0.3555605 0.3555605 0.3576158 0.3140845 1.5898715 1.5898715
## 267 268 269 270 271 272 273
## 1.5898715 0.8056401 0.8056401 0.8056401 0.4911940 0.4911940 0.4911940
## 274 275 276 277 278 279 280
## 1.2731324 1.2731324 0.4978518 0.4978518 2.3164338 0.3712585 0.3712585
## 281 282 283 284 285 286 287
## 2.3164338 0.8814496 0.8814496 0.6756058 0.6756058 0.9140909 0.9140909
## 288 289 290 291 292 293 294
## 0.9140909 0.7873301 0.7873301 0.7873301 0.4825671 0.4825671 0.4825671
## 295 296 297 298 299 300 301
## 1.7697337 1.7697337 0.6545334 0.6545334 0.4701734 0.4701734 1.3550198
## 302 303 304 305 306 307 308
## 1.3550198 1.3550198 2.0763716 2.0763716 0.5759121 0.5759121 0.5759121
## 309 310 311 312 313 314 315
## 0.9941672 0.9941672 0.5656155 0.5656155 0.5656155 0.5783775 0.5783775
## 316 317 318 319 320 321 322
## 0.6897604 0.6897604 0.5664065 0.5664065 0.4076390 0.4076390 1.8058717
## 323 324 325 326 327 328 329
## 1.8058717 0.8887891 1.1268799 1.1268799 0.8887891 0.7832745 0.7346377
## 330 331 332 333 334 335 336

```

```

## 0.7346377 0.7832745 1.3039301 1.3039301 1.7446477 2.2960578 0.7987016
## 337 338 339 340 341 342 343
## 2.2960578 0.8321791 0.4292458 0.8321791 0.6287020 0.6287020 1.3689251
## 344 345 346 347 348 349 350
## 1.3689251 0.7821362 0.6927574 0.6927574 0.7821362 0.8250602 0.6620561
## 351 352 353 354 355 356 357
## 0.6620561 0.8250602 0.9066263 0.6465728 0.6465728 0.9066263 0.4956241
## 358 359 360 361 362 363 364
## 1.4786859 0.4956241 0.3097378 0.4467499 0.3097378 0.3234019 1.7862717
## 365 366 367 368 369 370 371
## 1.7862717 1.2594791 1.2594791 0.9332093 0.9332093 1.5462207 0.8563596
## 372 373 374 375 376 377 378
## 1.1362425 0.4800908 0.4993351 0.5681297 1.4132296 0.5930282 0.4543487
## 379 380 381 382 383 384 385
## 0.6391695 0.6391695 0.3738153 0.3738153 0.3004977 0.3004977 1.1330973
## 386 387 388 389 390 391 392
## 1.1330973 0.9931323 0.9931323 1.6846452 0.8678446 1.6846452 1.5901110
## 393 394 395 396 397 398 399
## 0.8678446 1.5901110 1.5901110 1.3777819 1.0459362 1.0459362 1.4521066
## 400 401 402 403 404 405 406
## 1.3777819 0.9675964 0.9675964 0.9675964 1.4521066 1.3777819 0.4199639
## 407 408 409 410 411 412 413
## 0.5617593 0.5617593 0.6063462 0.4199639 0.4220355 0.4220355 0.4220355
## 414 415 416 417 418 419 420
## 0.6063462 0.4199639 0.4312889 0.9174613 0.4312889 0.9174613 0.4312889
## 421 422 423 424 425 426 427
## 1.5070518 0.7805248 0.4615292 0.4425259 0.4425259 0.3005178 0.3005178
## 428 429 430 431 432 433 434
## 0.3352097 0.3352097 1.2931982 1.2931982 0.4671361 1.5153799 0.4671361
## 435 436 437 438 439 440 441
## 1.5153799 0.7836169 1.0854694 0.7836169 1.0854694 0.5093268 0.5093268
## 442 443 444 445 446 447 448
## 1.4458596 1.4458596 0.3506219 0.3506219 0.7497394 0.7497394 1.1436693
## 449 450 451 452 453 454 455
## 1.1436693 0.4537289 0.4537289 0.4468237 0.4468237 1.5975682 1.5975682
## 456 457 458 459 460 461 462
## 1.0253794 1.0253794 1.1491108 1.1491108 1.4730332 0.2879937 0.2879937
## 463 464 465 466 467 468 469
## 1.4730332 1.5290789 0.9867133 0.9867133 0.4678366 1.5290789 0.2871999
## 470 471 472 473 474 475 476
## 0.2871999 0.4678366 0.7736474 0.5237212 0.7736474 0.5237212 0.7910743
## 477 478 479 480 481 482 483
## 0.7910743 1.4161940 1.4161940 1.4161940 1.4161940 1.2108954 1.2108954
## 484 485 486 487 488 489 490
## 1.2108954 1.2108954 1.2712205 1.2712205 1.2712205 1.2712205 1.4172270
## 491 492 493 494 495 496 497
## 1.4172270 0.9484036 0.9484036 0.6296452 0.6296452 1.3607309 1.3607309
## 498 499 500 501 502 503 504
## 1.0179296 1.0179296 0.7929448 0.7929448 1.0493910 1.0493910 0.5355250
## 505 506 507 508 509 510 511

```

```

## 0.5355250 0.3931610 0.3931610 0.8417804 0.8417804 0.8417804 0.6232632
## 512      513      514      515      516      517      518
## 0.6232632 0.6232632 0.8567738 0.8567738 0.8567738 0.7762612 0.7762612
## 519      520      521      522      523      524      525
## 0.4524322 0.4524322 0.8778069 0.8778069 0.2897083 0.8778069 0.2897083
## 526      527      528      529      530      531      532
## 0.7940380 0.7940380 0.7940380 0.3642045 0.3642045 0.3642045 0.9327907
## 533      534      535      536      537      538      539
## 0.7680679 1.1290740 1.4607502 1.4607502 1.4607502 0.9689384 0.9689384
## 540      541      542      543      544      545      546
## 0.9689384 0.8890625 0.8890625 0.8890625 1.6389772 1.6389772 1.4005882
## 547      548      549      550      551      552      553
## 0.5447996 0.5447996 1.4005882 1.4005882 1.1783765 0.5037987 0.5037987
## 554      555      556      557      558      559      560
## 1.1783765 1.1783765 1.2122331 1.2122331 1.2122331 1.6042788 1.0459176
## 561      562      563      564      565      566      567
## 0.6697468 1.1158454 0.4391294 0.8387651 0.9340132 0.8768835 1.0508125
## 568      569      570      571      572      573      574
## 1.6707670 1.6707670 0.5292474 0.5292474 0.4180562 0.4180562 1.1061800
## 575      576      577      578      579      580      581
## 1.1061800 1.1061800 1.0552919 1.0552919 1.0552919 0.7984246 0.7984246
## 582      583      584      585      586      587      588
## 0.7984246 1.4053487 1.4053487 0.9642702 0.9642702 0.4561020 0.4561020
## 589      590      591      592      593      594      595
## 1.0611082 1.0611082 1.8139286 0.3452150 0.3452150 1.8139286 1.8139286
## 596      597      598      599      600      601      602
## 1.8139286 0.7033304 0.2820960 0.2820960 0.7033304 0.7033304 0.7033304
## 603      604      605      606      607      608      609
## 0.4677030 0.4677030 0.4677030 0.4677030 0.8918405 0.8918405 0.9441350
## 610      611      612      613      614      615      616
## 0.4619139 0.9441350 0.4619139 1.1002683 0.5222732 1.1002683 0.5222732
## 617      618      619      620      621      622      623
## 0.7474268 0.7474268 1.3574206 1.3574206 0.7875372 1.0158516 1.8093456
## 624      625      626      627      628      629      630
## 1.8093456 1.8093456 1.0158516 0.7875372 0.7273272 0.7320484 0.9287079
## 631      632      633      634      635      636      637
## 0.9287079 0.9287079 0.7320484 0.7273272 0.5216756 0.4380157 0.4380157
## 638      639      640      641      642      643      644
## 0.4380157 0.5216756 1.0990643 1.0990643 0.7292163 0.7292163 0.5409923
## 645      646      647      648      649      650      651
## 0.5409923 1.4374389 1.4374389 0.4734273 0.4734273 0.2858123 0.2858123
## 652      653      654      655      656      657      658
## 1.4435746 1.1036289 1.0759566 0.5849015 0.5219049 0.3338932 1.4494490
## 659      660      661      662      663      664      665
## 1.0257195 1.0656455 0.7566277 0.7566277 0.3520969 0.3520969 0.2836514
## 666      667      668      669      670      671      672

## 0.2836514 1.3193095 1.3193095 1.1307565 1.1307565 0.4024099 0.4024099
## 673      674      675      676      677      678      679
## 1.2882996 1.0731526 1.2160619 1.2683313 1.2683313 0.4869133 0.4869133
## 680      681      682      683      684      685      686

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```

## 0.3294921 0.5794685 0.3294921 0.5794685 0.3066869 0.3066869 0.2792876
## 687 688 689 690 691 692 693
## 0.2792876 0.6877190 0.6877190 0.6877190 0.5359041 0.5359041 0.5359041
## 694 695 696 697 698 699 700
## 0.2986562 0.2986562 0.2986562 0.8414068 0.9540682 0.9540682 0.3123924
## 701 702 703 704 705 706 707
## 0.9540682 0.5356434 0.5356434 0.2885515 0.5356434 1.2903168 1.2903168
## 708 709 710 711 712 713 714
## 1.2903168 0.5603120 0.5603120 0.5603120 0.3870388 0.3870388 0.3870388
## 715 716 717 718 719 720 721
## 0.6323157 0.6515250 0.6515250 0.6323157 0.6323157 0.5121493 0.5121493
## 722 723 724 725 726 727 728
## 0.4219616 0.4219616 1.0459103 1.0459103 1.0459103 0.9758046 0.9758046
## 729 730 731 732 733 734 735
## 0.4896706 0.9758046 0.4896706 0.4896706 0.4745728 0.4745728 0.2949552
## 736 737 738 739 740 741 742
## 0.4745728 0.2949552 0.2949552 0.3456946 0.3456946 0.3456946 1.4281136
## 743 744 745 746 747 748 749
## 1.4281136 1.4281136 0.5277670 0.5277670 0.5277670 0.4707619 0.4707619
## 750 751 752 753 754 755 756
## 0.4707619 0.6262134 0.6262134 0.6262134 0.5075258 0.5075258 0.5075258
## 757 758 759 760 761 762 763
## 0.4803284 0.4803284 0.4803284 0.4962911 0.4962911 0.4962911 0.5439867
## 764 765 766 767 768 769 770
## 0.5439867 0.5439867 0.7725940 0.7725940 0.7725940 0.9047035 0.9047035
## 771 772 773 774 775 776 777
## 0.9047035 0.7561763 0.7561763 0.7561763 0.3790389 0.3790389 1.2912441
## 778 779 780 781 782 783 784
## 1.2912441 1.2912441 0.3790389 0.7977892 0.5666667 0.5666667 0.5666667
## 785 786 787 788 789 790 791
## 0.7977892 0.7977892 0.3284698 1.0345408 1.0345408 1.0345408 0.3284698
## 792 793 794 795 796 797 798
## 0.3284698 0.3619503 0.3619503 0.3619503 1.2096876 1.2096876 1.2096876
## 799 800 801 802 803 804 805
## 0.8160508 0.8160508 0.8160508 0.5239030 0.5239030 0.5239030 0.7995772
## 806 807 808 809 810 811 812
## 0.7995772 0.7995772 0.7007557 0.7007557 0.3210188 0.7007557 0.3210188
## 813 814 815 816 817 818 819
## 0.3210188 0.4592014 0.4592014 0.2867546 0.4592014 0.2867546 0.2867546
## 820 821 822 823 824 825 826
## 0.3713963 0.3713963 0.3713963 1.0566815 1.0566815 1.0566815 0.4106590
## 827 828 829 830 831 832 833
## 0.4106590 0.4106590 0.4578971 0.4578971 0.4578971 1.4073544 1.2757756
## 834 835 836 837 838 839 840
## 1.4073544 1.2757756 1.2757756 1.4073544 0.3904795 0.4021257 0.3904795
## 841 842 843 844 845 846 847
## 0.4021257 0.4021257 0.3904795 0.7088067 0.7088067 0.2867814 0.2973019
## 848 849 850 851 852 853 854
## 0.2867814 0.2973019 0.2973019 0.2867814 0.7088067 0.3553857 0.3553857
## 855 856 857 858 859 860 861

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```

## 0.3553857 1.4395544 0.9194132 0.9194132 1.4395544 0.9194132 1.4395544
## 862     863     864     865     866     867     868
## 0.7060696 0.7060696 0.7060696 0.4369502 0.4369502 0.4369502 1.0132311
## 869     870     871     872     873     874     875
## 1.0132311 1.0132311 0.3226789 0.3226789 0.3226789 0.2844929 0.2844929
## 876     877     878     879     880     881     882
## 0.2844929 0.4425259 0.4425259 0.6819341 0.4425259 0.6819341 0.3005178
## 883     884     885     886     887     888     889
## 0.3005178 0.8326161 0.3005178 0.8326161 0.3352097 0.3352097 0.6388638
## 890     891     892     893     894     895     896
## 0.3352097 0.6388638 0.8001554 0.8001554 0.9127241 0.8001554 0.9127241
## 897     898     899     900     901     902     903
## 0.3190084 0.3190084 0.6512252 0.3190084 0.6512252 0.2845221 1.3502831
## 904     905     906     907     908     909     910
## 0.2845221 0.3498418 1.3502831 0.2845221 1.3502831 0.3498418 0.4781535
## 911     912     913     914     915     916     917
## 1.6537213 1.6537213 0.4781535 0.4781535 1.6537213 0.3732652 0.5892492
## 918     919     920     921     922     923     924
## 0.5892492 0.3732652 0.3732652 0.5892492 0.4485811 0.4343700 0.4343700
## 925     926     927     928     929     930     931
## 0.4485811 0.4343700 0.4485811 0.5465893 0.5465893 0.5465893 0.4137602
## 932     933     934     935     936     937     938
## 1.1776652 1.1776652 1.1776652 0.4137602 0.4137602 0.9726221 0.9726221
## 939     940     941     942     943     944     945
## 0.9726221 0.7157436 0.3935601 0.3935601 0.7157436 0.3935601 0.7157436
## 946     947     948     949     950     951     952
## 0.5418107 0.5418107 0.5418107 0.3482312 0.3482312 0.3482312 1.1663847
## 953     954     955     956     957     958     959
## 1.1663847 1.1663847 0.3920938 1.4435746 1.4435746 0.3920938 1.4435746
## 960     961     962     963     964     965     966
## 0.3920938 1.4435746 0.4351223 1.1682293 1.1682293 0.4351223 1.1682293
## 967     968     969     970     971     972     973
## 0.4351223 1.1682293 0.9614643 0.9614643 1.0492877 0.9614643 1.0492877
## 974     975     976     977     978     979     980
## 1.0492877 0.9614643 0.7974867 0.5930458 0.3521658 0.7974867 0.5930458
## 981     982     983     984     985     986     987
## 0.3521658 0.7974867 0.3521658 0.5930458 0.3944907 0.3009236 0.3637038
## 988     989     990     991     992     993     994
## 0.3944907 0.3009236 0.3637038 0.3944907 0.3637038 0.3009236 0.6148365
## 995     996     997     998     999     1000    1001
## 0.3022597 0.6148365 0.3022597 0.6148365 0.3022597 0.8540190 0.8540190
## 1002    1003    1004    1005    1006    1007    1008
## 0.8540190 0.3165620 0.3165620 0.3165620 0.4189074 0.4189074 0.4189074
## 1009    1010    1011    1012    1013    1014    1015
## 0.7088067 0.7088067 0.7088067 0.3213902 0.3213902 0.9714352 0.9714352
## 1016    1017    1018    1019    1020    1021    1022
## 0.9714352 0.3213902 0.2673490 0.2673490 0.3140905 0.3140905 0.3140905
## 1023    1024    1025    1026    1027    1028    1029
## 0.2673490 0.2824281 0.2824281 0.2824281 0.7734393 0.7734393 0.7734393
## 1030    1031    1032    1033    1034    1035    1036

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```

## 0.7734393 0.3719180 0.3719180 0.3719180 0.3719180 0.3915126 0.3915126
## 1037      1038      1039      1040      1041      1042      1043
## 0.3915126 0.3915126 0.7704891 1.3780693 0.7704891 0.7704891 1.3780693
## 1044      1045      1046      1047      1048      1049      1050
## 1.3780693 0.2949394 0.9144465 0.2949394 0.2949394 0.9144465 0.9144465
## 1051      1052      1053      1054      1055      1056      1057
## 0.2876137 1.4021852 1.4021852 1.1844870 0.7215927 0.2876137 0.7215927
## 1058      1059      1060      1061      1062      1063      1064
## 0.2876137 1.4021852 1.1844870 1.1844870 0.7215927 0.3151803 0.3151803
## 1065      1066      1067      1068      1069      1070      1071
## 1.4333751 1.4333751 0.3151803 1.4333751 0.2886540 0.2886540 0.5903968
## 1072      1073      1074      1075      1076      1077      1078
## 0.5903968 0.2886540 0.5903968 0.9032962 0.9032962 0.9032962 0.4943343
## 1079      1080      1081      1082      1083      1084      1085
## 0.4943343 0.4943343 0.8122723 0.7058071 0.8122723 0.7058071 0.8122723
## 1086      1087      1088      1089      1090      1091      1092
## 0.7058071 0.3452098 0.3452098 0.3452098 0.2697074 0.2697074 0.2697074
## 1093      1094      1095      1096      1097      1098      1099
## 1.5518036 1.5518036 1.5518036 0.9027897 0.9027897 0.9027897 0.5353068
## 1100      1101      1102      1103      1104      1105      1106
## 0.5353068 0.5353068 0.8009143 0.8009143 0.8009143 0.8925720 0.3464578
## 1107      1108      1109      1110      1111      1112      1113
## 0.3464578 0.3464578 0.8925720 0.8925720 0.6724409 0.4940480 0.4940480
## 1114      1115      1116      1117      1118      1119      1120
## 0.4940480 0.6724409 0.6724409 0.4355035 0.9186463 0.4355035 0.9186463
## 1121      1122      1123      1124      1125      1126      1127
## 0.4355035 0.9186463 1.5427037 1.5427037 0.6536457 0.6536457 0.6536457
## 1128      1129      1130      1131      1132      1133      1134
## 1.5427037 1.3642307 0.4503700 1.3642307 0.4503700 0.3308168 0.3308168
## 1135      1136      1137      1138      1139      1140      1141
## 0.3308168 1.3642307 0.4503700 0.4800649 0.3194120 0.4800649 0.3194120
## 1142      1143      1144      1145      1146      1147      1148
## 0.4800649 0.3194120 0.3406972 0.3406972 0.3406972 1.7410299 1.7410299
## 1149      1150      1151      1152      1153      1154      1155
## 1.7410299 0.8607029 0.8607029 0.8607029 0.4702863 1.3404631 1.3404631
## 1156      1157      1158      1159      1160      1161      1162
## 0.4702863 0.4702863 1.3404631 1.3404631 1.3404631 1.2028830 1.2028830
## 1163      1164      1165      1166      1167      1168      1169
## 1.2028830 1.2028830 1.2028830 0.5287298 1.3031999 0.5287298 1.3031999
## 1170      1171      1172      1173      1174      1175      1176
## 1.3031999 0.5287298 0.5287298 0.5287298 0.5207891 0.5207891 0.5207891
## 1177      1178      1179      1180      1181      1182      1183
## 0.6291110 0.6291110 0.6291110 0.9931265 0.9931265 0.9931265 0.2904659
## 1184      1185      1186      1187      1188      1189      1190
## 0.2904659 0.2904659 0.2835251 0.2835251 0.2835251 1.3288058 1.3288058
## 1191      1192      1193      1194      1195      1196      1197

## 1.3288058 0.5738336 0.5738336 0.5738336 0.4276943 0.4276943 0.4276943
## 1198      1199      1200      1201      1202      1203      1204
## 1.1476192 1.1476192 1.1476192 0.5590831 0.5590831 0.5590831 0.3909945
## 1205      1206      1207      1208      1209      1210      1211

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## 0.3909945 0.3909945 0.9918260 0.9918260 0.9918260 0.4716144 0.4716144
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## 1.0253794 1.0253794 0.4716144 1.0253794 0.3388941 0.3388941 0.2879937
## 1219 1220 1221 1222 1223 1224 1225
## 0.2879937 0.3388941 0.2879937 1.1013471 1.1013471 2.1333045 2.1333045
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## 1.1501125 1.1501125 1.1554132 1.1554132 1.9763763 1.9763763 1.3272950
## 1233 1234 1235 1236 1237 1238 1239
## 1.3272950 0.9464678 0.9464678 0.7184440 2.0049660 0.7184440 2.0049660
## 1240 1241 1242 1243 1244 1245 1246
## 2.1241598 1.4471185 2.1241598 1.4471185 1.0325016 1.4779051 1.0325016
## 1247 1248 1249 1250 1251 1252 1253
## 1.4779051 1.1864782 1.1864782 2.0779407 2.0779407 1.0777411 1.0777411
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## 0.5445634 0.5445634 2.0867985 2.0867985 1.0835215 1.9867628 1.0835215
## 1261 1262 1263 1264 1265 1266 1267
## 1.9867628 0.9544903 0.8270995 0.9544903 0.8270995 0.5766926 2.2092548
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## 2.2092548 0.5766926 1.2402745 1.2402745 0.7088257 0.7088257 2.0645834
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## 1282 1283 1284 1285 1286 1287 1288
## 0.8141115 0.8141115 0.5628761 2.2785498 2.3441433 0.5628761 2.3441433
## 1289 1290 1291 1292 1293 1294 1295
## 2.2785498 1.2155323 1.1177476 1.1177476 1.2155323 1.0779481 0.4897199
## 1296 1297 1298 1299 1300 1301 1302
## 0.4897199 1.0779481 2.5326222 2.5326222 1.3200415 1.3200415 0.6789057
## 1303 1304 1305 1306 1307 1308 1309
## 0.6789057 2.2788147 2.2788147 1.1545080 2.7287194 1.1545080 2.7287194
## 1310 1311 1312 1313 1314 1315 1316
## 0.5937313 1.6603558 0.5937313 1.6603558 1.2911555 1.2911555 2.4713210
## 1317 1318 1319 1320 1321 1322 1323
## 2.4713210 1.5372840 1.5372840 1.6081168 1.6081168 1.2691508 1.2691508
## 1324 1325 1326 1327 1328 1329 1330
## 0.5544190 0.5544190 0.3373725 0.3373725 1.8332878 1.8332878 2.4288255
## 1331 1332 1333 1334 1335 1336 1337
## 1.1701218 2.4288255 1.1701218 2.5470131 1.3468586 0.6917919 1.3468586
## 1338 1339 1340 1341 1342 1343 1344
## 2.5470131 0.6917919 1.4169319 0.7015693 0.7015693 1.4169319 0.7684064
## 1345 1346 1347 1348 1349 1350 1351
## 0.7684064 2.2007866 2.2007866 0.8111880 0.8111880 0.5624894 0.5624894
## 1352 1353 1354 1355 1356 1357 1358
## 1.6059981 1.6059981 1.0369319 1.0369319 0.7383291 2.4872974 0.7383291
## 1359 1360 1361 1362 1363 1364 1365
## 2.4872974 2.2714284 1.2861747 2.2714284 1.2861747 1.6853087 2.2355477
## 1366 1367 1368 1369 1370 1371 1372
## 0.6244571 1.6853087 2.2355477 0.6244571 0.5642719 1.2770471 0.5642719
## 1373 1374 1375 1376 1377 1378 1379
## 1.2770471 2.4925304 2.4925304 1.3720708 1.3720708 1.6011978 1.6011978
## 1380 1381 1382 1383 1384 1385 1386

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## 0.5825489 0.5825489 2.1404728 2.1404728 1.2971160 1.2971160 0.6965004
## 1387 1388 1389 1390 1391 1392 1393
## 0.6965004 2.7899245 2.7899245 1.5365664 1.5365664 0.5949024 0.5949024
## 1394 1395 1396 1397 1398 1399 1400
## 2.6643377 2.6643377 1.6070313 1.6070313 1.6004261 1.6004261 2.2019285
## 1401 1402 1403 1404 1405 1406 1407
## 2.2019285 1.2410743 1.2410743 2.5149314 2.5149314 1.0097902 1.0097902
## 1408 1409 1410 1411 1412 1413 1414
## 1.0411254 1.0411254 0.5209282 0.5209282 2.1909124 2.1909124 2.3152708
## 1415 1416 1417 1418 1419 1420 1421
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## 1429 1430 1431 1432 1433 1434 1435
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## 1436 1437 1438 1439 1440 1441 1442
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## 1443 1444 1445 1446 1447 1448 1449
## 2.0744889 1.1213699 1.1213699 0.7169995 0.7169995 1.5298817 2.4267725
## 1450 1451 1452 1453 1454 1455 1456
## 2.4267725 1.5298817 1.3914812 1.6039867 1.6039867 1.3914812 1.9335546
## 1457 1458 1459 1460 1461 1462 1463
## 1.4417306 1.9335546 1.2613438 1.2613438 1.4417306 0.7439201 0.7439201
## 1464 1465 1466 1467 1468 1469 1470
## 0.4846058 0.4846058 1.8677568 1.8677568 1.1848021 1.1848021 0.9095980
## 1471 1472 1473 1474 1475 1476 1477
## 2.0303000 0.9095980 2.0303000 1.3386293 1.3386293 0.6887644 2.6058271
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## 2.6058271 0.6887644 1.6863235 1.6863235 0.9082005 0.9082005 2.7793549
## 1485 1486 1487 1488 1489 1490 1491
## 2.7793549 1.5599682 1.5599682 1.0781202 2.6104860 2.6104860 1.0781202
## 1492 1493 1494 1495 1496 1497 1498
## 1.9891832 1.9891832 2.0928910 2.0928910 2.4930463 2.4930463 1.5635397
## 1499 1500 1501 1502 1503 1504 1505
## 1.5635397 1.5031810 1.5031810 2.2225686 2.2225686 1.1255223 1.1255223
## 1506 1507 1508 1509 1510 1511 1512
## 0.7230598 0.7236352 2.4082808 2.4082808 2.4082808 2.4082808 1.1972060
## 1513 1514 1515 1516 1517 1518 1519
## 1.1972060 1.1972060 1.1972060 1.4069820 1.4069820 1.7257596 1.4069820
## 1520 1521 1522 1523 1524 1525 1526
## 1.7257596 1.4069820 1.2261101 1.2261101 1.1970055 1.1970055 1.5902902
## 1527 1528 1529 1530 1531 1532 1533
## 1.5902902 0.8701104 0.8701104 0.8819618 0.8819618 1.7127639 1.7127639
## 1534 1535 1536 1537 1538 1539 1540
## 0.9201236 0.9201236 0.7116735 0.7116735 1.9415726 1.9415726 1.6440855
## 1541 1542 1543 1544 1545 1546 1547
## 1.6440855 1.8896082 1.8896082 1.4708241 1.4708241 0.7147917 0.7147917
## 1548 1549 1550 1551 1552 1553 1554
## 1.0900647 1.0900647 0.8420391 0.8420391 0.9636547 0.9636547 0.5647433
## 1555 1556 1557 1558 1559 1560 1561

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## 0.5647433 1.6574910 1.6574910 1.6574910 1.6574910 1.6574910 1.6574910
## 1562      1563      1564      1565      1566      1567      1568
## 1.6574910 1.6574910 0.8551022 0.8551022 0.8551022 0.8551022 1.5349578
## 1569      1570      1571      1572      1573      1574      1575
## 1.5349578 0.8551022 0.8551022 0.8551022 0.8551022 0.6878778 0.6878778
## 1576      1577      1578      1579      1580      1581      1582
## 0.6878778 0.6878778 0.3756908 0.3756908 0.6878778 0.6878778 0.6878778
## 1583      1584      1585      1586      1587      1588      1589
## 0.6878778 2.4858207 2.4858207 2.4858207 2.4858207 2.4858207 2.4858207
## 1590      1591      1592      1593      1594      1595      1596
## 0.3070782 0.3070782 2.4858207 2.4858207 1.1877734 1.1877734 1.1877734
## 1597      1598      1599      1600      1601      1602      1603
## 1.1877734 1.1877734 1.1877734 0.3341406 1.1877734 1.1877734 0.3341406
## 1604      1605      1606      1607      1608      1609      1610
## 0.9375393 0.9375393 0.9375393 0.9375393 0.9375393 0.9375393 0.2767207
## 1611      1612      1613      1614      1615      1616      1617
## 2.6500448 0.9375393 0.9375393 2.6500448 0.2767207 0.3038507 1.6590083
## 1618      1619      1620      1621      1622      1623      1624
## 1.6590083 0.2989505 1.4421391 1.4421391 1.7744497 1.7744497 1.5171357
## 1625      1626      1627      1628      1629      1630      1631
## 1.5171357 1.4292839 1.5817315 1.5817315 1.4292839 0.7147137 0.7147137
## 1632      1633      1634      1635      1636      1637      1638
## 0.4248376 0.4248376 1.8988555 1.8988555 0.9667055 0.9667055 0.5581613
## 1639      1640      1641      1642      1643      1644      1645
## 0.5581613 1.9403638 1.9403638 1.0370775 1.0370775 0.4892746 0.4892746
## 1646      1647      1648      1649      1650      1651      1652
## 1.7149295 1.7149295 1.3158998 1.3158998 2.0184091 0.8449464 2.0184091
## 1653      1654      1655      1656      1657      1658      1659
## 0.8449464 1.1424552 1.1424552 1.8957257 1.8957257 0.7980497 0.7980497
## 1660      1661      1662      1663      1664      1665      1666
## 2.5479580 2.5479580 1.6940447 1.6940447 2.3740245 1.4066758 1.4066758
## 1667      1668      1669      1670      1671      1672      1673
## 1.0054864 1.0054864 2.3740245 1.5103073 0.6221085 0.6221085 1.5103073
## 1674      1675      1676      1677      1678      1679      1680
## 0.5842770 0.5842770 1.5592255 2.2136927 2.2136927 1.5592255 1.3659412
## 1681      1682      1683      1684      1685      1686      1687
## 1.9515669 1.9515669 1.3659412 1.4197320 1.3470343 1.3470343 1.4197320
## 1688      1689      1690      1691      1692      1693      1694
## 1.6968364 1.6968364 1.7298486 1.7298486 1.3767972 1.3767972 0.7930659
## 1695      1696      1697      1698      1699      1700      1701
## 0.7930659 1.0289635 1.0289635 0.6865731 0.6865731 2.2503229 2.2503229
## 1702      1703      1704      1705      1706      1707      1708
## 1.0671002 1.0671002 1.0671002 1.7644814 1.0671002 1.7644814 0.9721588
## 1709      1710      1711      1712      1713      1714      1715
## 0.9721588 0.9721588 1.4287253 0.9721588 1.4287253 0.4958679 0.4958679
## 1716      1717      1718      1719      1720      1721      1722

## 0.4958679 0.4958679 2.6949426 2.6949426 1.0799119 1.0799119 0.7346394
## 1723      1724      1725      1726      1727      1728      1729
## 0.7346394 2.1407540 2.1407540 2.0252733 2.0252733 1.0738743 1.0738743
## 1730      1731      1732      1733      1734      1735      1736

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## 1.5189975 1.5189975 0.7169981 0.7169981 0.9427607 0.9427607 1.7812245
## 1737 1738 1739 1740 1741 1742 1743
## 1.7812245 2.6061915 0.7356784 2.6061915 0.7356784 1.4196893 0.5984586
## 1744 1745 1746 1747 1748 1749 1750
## 1.4196893 0.5984586 0.7931910 0.7931910 1.1862124 1.1862124 2.3866890
## 1751 1752 1753 1754 1755 1756 1757
## 2.3866890 0.6021114 0.6021114 1.8775136 1.8775136 0.3828698 0.3828698
## 1758 1759 1760 1761 1762 1763 1764
## 0.5785332 0.5785332 1.7108561 2.5249152 2.5249152 1.7108561 1.1030365
## 1765 1766 1767 1768 1769 1770 1771
## 1.6532412 1.6532412 1.1030365 0.7299622 0.7620675 0.7620675 0.7299622
## 1772 1773 1774 1775 1776 1777 1778
## 2.5255562 2.5255562 1.8071934 1.8071934 1.5349014 1.0499248 1.0499248
## 1779 1780 1781 1782 1783 1784 1785
## 0.6671031 1.5349014 0.6671031 0.9657321 0.7029991 0.7029991 0.3917399
## 1786 1787 1788 1789 1790 1791 1792
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## 1793 1794 1795 1796 1797 1798 1799
## 1.1504580 0.5060661 2.4503039 2.4503039 0.5060661 1.4204565 1.4204565
## 1800 1801 1802 1803 1804 1805 1806
## 0.6242595 0.6242595 1.6720076 1.6720076 1.4115151 1.4115151 0.6513094
## 1807 1808 1809 1810 1811 1812 1813
## 0.6513094 2.1571504 2.1571504 1.6755373 1.6755373 1.2750892 1.2750892
## 1814 1815 1816 1817 1818 1819 1820
## 2.5178380 2.5178380 1.5146313 1.5146313 1.0006347 1.0006347 2.4945369
## 1821 1822 1823 1824 1825 1826 1827
## 2.4945369 1.4723813 1.4723813 2.3694585 0.7061753 2.3694585 0.7061753
## 1828 1829 1830 1831 1832 1833 1834
## 1.4270306 1.4270306 0.8157833 2.1666656 2.1666656 0.8157833 2.4106360
## 1835 1836 1837 1838 1839 1840 1841
## 1.0348269 1.0348269 2.4106360 1.8622993 0.5575501 0.5575501 1.8622993
## 1842 1843 1844 1845 1846 1847 1848
## 2.5162491 2.5162491 2.4201611 1.6437665 0.5276816 0.5276816 1.1748417
## 1849 1850 1851 1852 1853 1854 1855
## 2.4201611 1.1748417 1.6437665 1.7031333 1.1031683 0.6644274 1.7031333
## 1856 1857 1858 1859 1860 1861 1862
## 0.6644274 1.1031683 0.5247859 2.2895555 1.2154491 0.5247859 2.2895555
## 1863 1864 1865 1866 1867 1868 1869
## 1.2154491 1.4665633 1.4665633 1.4762355 1.4762355 1.5299944 1.5299944
## 1870 1871 1872 1873 1874 1875 1876
## 0.7819825 0.7819825 2.4361426 2.4361426 0.5346764 0.5346764 1.0759846
## 1877 1878 1879 1880 1881 1882 1883
## 1.0759846 1.3872477 0.5595364 1.3872477 0.5595364 1.5009720 1.5009720
## 1884 1885 1886 1887 1888 1889 1890
## 1.0703556 2.5961993 1.0703556 1.5776327 1.5078609 1.6142903 1.6142903
## 1891 1892 1893 1894 1895 1896 1897
## 1.0035502 1.0035502 0.6303173 0.6303173 2.0963102 2.7522316 1.6048363
## 1898 1899 1900 1901 1902 1903 1904
## 2.7522316 1.2894804 0.5165437 1.2894804 0.7180511 0.7180511 1.9180193
## 1905 1906 1907 1908 1909 1910 1911

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## 1.9180193 1.2481987 1.2481987 0.9071973 0.9071973 1.9658184 1.9658184
## 1912 1913 1914 1915 1916 1917 1918
## 1.2906075 1.2906075 1.7809339 1.7809339 1.1992169 1.1992169 1.1789391
## 1919 1920 1921 1922 1923 1924 1925
## 1.1789391 0.7277647 0.7277647 1.6613807 1.6613807 1.1865182 1.1865182
## 1926 1927 1928 1929 1930 1931 1932
## 2.4616003 0.7382697 1.7985926 1.7985926 2.4616003 0.7382697 1.6172870
## 1933 1934 1935 1936 1937 1938 1939
## 1.0734676 1.0734676 1.6172870 0.6361385 0.8007382 0.8007382 0.6361385
## 1940 1941 1942 1943 1944 1945 1946
## 2.6642421 2.6642421 1.7015098 1.7015098 1.9749885 0.7303991 1.9749885
## 1947 1948 1949 1950 1951 1952 1953
## 0.7303991 1.0667200 1.0667200 2.5412219 2.5412219 0.9617467 0.9617467
## 1954 1955 1956 1957 1958 1959 1960
## 1.3545162 1.3545162 0.4997493 0.4997493 1.8052603 1.3223802 1.3343123
## 1961 1962 1963 1964 1965 1966 1967
## 2.3222601 2.3222601 1.5251694 1.5251694 1.1873381 1.1873381 0.7428146
## 1968 1969 1970 1971 1972 1973 1974
## 2.5898103 0.7428146 2.5898103 1.5298549 1.5298549 2.1043302 1.2356476
## 1975 1976 1977 1978 1979 1980 1981
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## 1982 1983 1984 1985 1986 1987 1988
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## 1989 1990 1991 1992 1993 1994 1995
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## 1996 1997 1998 1999 2000 2001 2002
## 1.9334135 1.9334135 1.4416975 1.1187580 1.0103024 1.9317737 1.0103024
## 2003 2004 2005 2006 2007 2008 2009
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## 2010 2011 2012 2013 2014 2015 2016
## 1.7007449 1.7015526 0.7675982 0.8399920 0.7336442 0.8070488 0.8399920
## 2017 2018 2019 2020 2021 2022 2023
## 0.8070488 0.7336442 0.7673342 0.4493960 0.7673342 0.4493960 2.3298245
## 2024 2025 2026 2027 2028 2029 2030
## 2.3298245 1.4500554 1.4500554 0.5552869 0.5552869 1.9018977 1.9018977
## 2031 2032 2033 2034 2035 2036 2037
## 1.7292131 1.3949186 1.3949186 1.7292131 0.8299927 1.8559225 1.8559225
## 2038 2039 2040 2041 2042 2043 2044
## 0.7788005 0.7788005 0.8299927 0.5059197 1.8178969 1.8178969 0.7052707
## 2045 2046 2047 2048 2049 2050 2051
## 0.7052707 0.5059197 2.4857723 2.4857723 1.3074662 1.3074662 0.5210037
## 2052 2053 2054 2055 2056 2057 2058
## 0.5210037 1.2724179 1.2724179 0.7313248 0.7313248 0.7553862 0.7553862
## 2059 2060 2061 2062 2063 2064 2065
## 1.7065917 1.7065917 1.2909594 1.9694136 1.9694136 1.2909594 0.5961685
## 2066 2067 2068 2069 2070 2071 2072
## 0.8023205 0.8023205 0.5961685 0.5798571 0.5798571 2.6885826 2.6885826
## 2073 2074 2075 2076 2077 2078 2079
## 2.2719758 1.4380340 1.4380340 2.2719758 1.1683994 0.5892858 0.5892858
## 2080 2081 2082 2083 2084 2085 2086

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## 1.1683994 1.9136939 1.0528907 1.0528907 1.9136939 0.9124424 0.9124424
## 2087      2088      2089      2090      2091      2092      2093
## 0.6431566 2.8796589 2.8796589 0.6431566 1.5297175 1.5297175 1.2214657
## 2094      2095      2096      2097      2098      2099      2100
## 1.2214657 2.4557909 2.4557909 1.6619152 1.6619152 1.8560421 1.2368646
## 2101      2102      2103      2104      2105      2106      2107
## 1.9192080 1.7832289 1.2368646 1.9192080 1.0910811 1.2817513 1.0875563
## 2108      2109      2110      2111      2112      2113      2114
## 1.2817513 0.6273240 0.6046480 0.6273240 0.6046480 1.9433696 1.9433696
## 2115      2116      2117      2118      2119      2120      2121
## 1.0806643 1.0806643 0.4891369 0.4891369 2.7549984 2.7549984 1.5887927
## 2122      2123      2124      2125      2126      2127      2128
## 1.5887927 1.2758455 2.3165010 1.2758455 2.3165010 1.2633283 1.2633283
## 2129      2130      2131      2132      2133      2134      2135
## 0.4922956 0.4922956 2.4501080 2.4501080 2.6988824 1.2959263 1.2959263
## 2136      2137      2138      2139      2140      2141      2142
## 2.6988824 2.3510644 1.4240466 2.3510644 0.6345243 0.6345243 1.4240466
## 2143      2144      2145      2146      2147      2148      2149
## 1.5766938 0.8568714 1.5766938 0.8568714 0.9662371 0.9662371 0.8118264
## 2150      2151      2152      2153      2154      2155      2156
## 0.8118264 2.3548280 2.3548280 1.4699792 1.4699792 0.7934061 0.7934061
## 2157      2158      2159      2160      2161      2162      2163
## 2.3039050 2.3039050 1.4536484 1.4536484 0.9635779 0.9635779 1.6119652
## 2164      2165      2166      2167      2168      2169      2170
## 1.6119652 0.7500200 1.9906800 1.9906800 0.7500200 0.4966490 1.3655570
## 2171      2172      2173      2174      2175      2176      2177
## 1.3655570 0.4966490 1.3984181 1.3984181 2.5359830 2.5359830 1.4236051
## 2178      2179      2180      2181      2182      2183      2184
## 1.4236051 1.8752894 1.8752894 0.7830132 0.7830132 1.6589870 1.6589870
## 2185      2186      2187      2188      2189      2190      2191
## 2.7754836 2.7754836 1.5463644 1.5463644 2.7452048 1.6320096 1.6320096
## 2192      2193      2194      2195      2196      2197      2198
## 2.7452048 1.3672290 1.2176872 1.2176872 1.3672290 1.2756845 1.2756845
## 2199      2200      2201      2202      2203      2204      2205
## 2.3363504 2.3363504 2.0758122 2.0679580 2.0758122 2.0679580 1.2467517
## 2206      2207      2208      2209      2210      2211      2212
## 1.5522624 1.2467517 1.5522624 1.1840669 1.1840669 1.5584526 1.5584526
## 2213      2214      2215      2216      2217      2218      2219
## 0.9449638 0.9449638 0.5090730 0.5090730 2.2841966 2.2841966 1.0484824
## 2220      2221      2222      2223      2224      2225      2226
## 1.0484824 1.7927774 1.7927774 1.5668974 1.5668974 0.5724444 0.5724444
## 2227      2228      2229      2230      2231      2232      2233
## 0.8436458 0.8436458 1.3997613 1.3997613 0.7224324 0.7224324 1.3189800
## 2234      2235      2236      2237      2238      2239      2240
## 1.6093519 1.6093519 1.3189800 0.8965932 0.8965932 2.4258255 2.4258255
## 2241      2242      2243      2244      2245      2246      2247

## 0.5111952 0.5111952 1.3813323 1.3813323 0.8546615 0.8546615 2.4350118
## 2248      2249      2250      2251      2252      2253      2254
## 2.4350118 0.8435764 0.8435764 0.4519517 0.4519517 1.4767547 1.4767547
## 2255      2256      2257      2258      2259      2260      2261

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## 1.6803918 1.6803918 1.3245446 1.3245446 1.6940062 1.6940062 1.1032420
## 2262 2263 2264 2265 2266 2267 2268
## 1.1032420 0.6421815 0.6421815 2.3517649 2.3517649 1.3743084 1.3743084
## 2269 2270 2271 2272 2273 2274 2275
## 0.8408271 0.8408271 1.6024610 1.6024610 0.9224059 0.9224059 1.6594857
## 2276 2277 2278 2279 2280 2281 2282
## 1.6594857 0.4830338 0.4830338 1.4125003 1.4125003 0.9884815 0.9884815
## 2283 2284 2285 2286 2287 2288 2289
## 1.6283522 1.6283522 1.3902292 1.3902292 1.8286616 0.9990994 0.9990994
## 2290 2291 2292 2293 2294 2295 2296
## 1.8286616 1.1185005 1.1185005 0.7167022 0.7167022 1.5682440 1.5682440
## 2297 2298 2299 2300 2301 2302 2303
## 1.5712704 1.0683715 1.0683715 1.5712704 1.0479677 0.6649553 0.6649553
## 2304 2305 2306 2307 2308 2309 2310
## 1.4066360 1.4066360 1.0479677 0.6354831 1.5134961 1.5134961 0.6354831
## 2311 2312 2313 2314 2315 2316 2317
## 1.7515226 1.7515226 1.8517183 1.8517183 1.1456390 1.1456390 1.4575150
## 2318 2319 2320 2321 2322 2323 2324
## 1.4575150 0.7870569 0.7870569 0.9653535 0.9653535 0.5720767 0.5720767
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## 1.9954199 1.9954199 1.4708934 1.4708934 0.8522573 0.8522573 1.9220910
## 2332 2333 2334 2335 2336 2337 2338
## 1.9220910 1.7733080 1.7733080 1.5292011 1.5292011 1.1145451 1.1145451
## 2339 2340 2341 2342 2343 2344 2345
## 0.7276539 0.7276539 0.7132424 0.7132424 1.4728375 1.4728375 1.2413152
## 2346 2347 2348 2349 2350 2351 2352
## 1.2413152 0.7978238 0.7978238 1.5358487 1.5358487 0.9320290 0.9320290
## 2353 2354 2355 2356 2357 2358 2359
## 0.4242052 0.4242052 2.1760364 2.1760364 1.0114943 1.0114943 0.4328010
## 2360 2361 2362 2363 2364 2365 2366
## 0.4328010 1.3969626 1.3969626 0.8205853 0.8205853 0.6355454 0.6355454
## 2367 2368 2369 2370 2371 2372 2373
## 1.7187657 1.7187657 1.1302253 1.1302253 0.6110982 0.6110982 1.5229886
## 2374 2375 2376 2377 2378 2379 2380
## 1.5229886 0.9675025 0.9675025 0.5051999 0.5051999 1.5472920 1.5472920
## 2381 2382 2383 2384 2385 2386 2387
## 0.5626749 0.5626749 0.8967544 1.7435243 1.7435243 0.8967544 1.1421592
## 2388 2389 2390 2391 2392 2393 2394
## 1.5149278 1.5149278 1.1421592 0.8596722 0.8312374 0.8312374 0.8596722
## 2395 2396 2397 2398 2399 2400 2401
## 1.6971929 1.6971929 0.5257487 0.5257487 0.8132721 0.8132721 0.8918645
## 2402 2403 2404 2405 2406 2407 2408
## 0.8918645 1.3979464 0.8817945 0.8896242 2.3570499 2.3570499 2.1230837
## 2409 2410 2411 2412 2413 2414 2415
## 1.4839787 2.1230837 1.4839787 1.0802718 1.8345802 0.7476324 1.8345802
## 2416 2417 2418 2419 2420 2421 2422
## 1.0802718 0.7476324 0.6475690 1.3070373 1.3070373 0.6475690 0.9194327
## 2423 2424 2425 2426 2427 2428 2429
## 1.8460663 0.9194327 1.8460663 1.1667273 1.1667273 0.8783064 0.8783064
## 2430 2431 2432 2433 2434 2435 2436

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## 1.6214220 1.6214220 1.5108604 1.5108604 0.7914115 2.0212249 2.0212249
## 2437 2438 2439 2440 2441 2442 2443
## 0.7914115 1.8319296 1.8319296 1.6113537 1.6113537 1.3757648 1.3757648
## 2444 2445 2446 2447 2448 2449 2450
## 0.6703220 0.6703220 0.4704604 0.4704604 2.1993828 2.1993828 1.6564421
## 2451 2452 2453 2454 2455 2456 2457
## 1.6564421 1.4890406 1.4890406 1.4585365 1.4585365 0.7506216 0.7506216
## 2458 2459 2460 2461 2462 2463 2464
## 0.4731263 0.4731263 1.7950848 1.7950848 1.1908084 1.1908084 1.0949827
## 2465 2466 2467 2468 2469 2470 2471
## 1.0949827 1.6023525 1.6023525 1.5589950 1.5589950 1.9396106 1.9396106
## 2472 2473 2474 2475 2476 2477 2478
## 1.1530338 1.1530338 1.0894537 1.0894537 1.4436254 0.7472827 0.7472827
## 2479 2480 2481 2482 2483 2484 2485
## 1.4436254 1.6963088 0.9050173 0.9050173 1.6963088 1.4294554 1.3735364
## 2486 2487 2488 2489 2490 2491 2492
## 0.7991245 0.7991245 1.4294554 1.3735364 0.7602131 0.7368276 1.5613862
## 2493 2494 2495 2496 2497 2498 2499
## 1.5613862 0.7602131 0.7368276 0.6441711 1.3321058 1.3321058 0.6441711
## 2500 2501 2502 2503 2504 2505 2506
## 1.1918607 1.1918607 1.7814515 1.7814515 2.1702535 2.1702535 0.8712153
## 2507 2508 2509 2510 2511 2512 2513
## 0.8712153 1.6911395 1.8227413 1.8227413 1.6911395 0.4817274 0.4817274
## 2514 2515 2516 2517 2518 2519 2520
## 1.1286592 1.1795168 1.1795168 1.1286592 0.5249954 0.5249954 2.0123510
## 2521 2522 2523 2524 2525 2526 2527
## 2.0123510 1.8343159 1.8343159 1.7356570 1.5678900 1.5678900 1.7356570
## 2528 2529 2530 2531 2532 2533 2534
## 1.4306880 0.6966623 1.4306880 0.6966623 1.5322103 0.5316883 0.4728808
## 2535 2536 2537 2538 2539 2540 2541
## 0.5316883 0.4728808 1.5322103 0.8444177 0.4546283 1.9417582 1.9417582
## 2542 2543 2544 2545 2546 2547 2548
## 0.4546283 0.8444177 1.5333210 0.6978689 1.3972657 1.5333210 1.3972657
## 2549 2550 2551 2552 2553 2554 2555
## 0.6978689 0.9819576 1.0770882 0.9819576 1.0770882 0.6093074 0.6093074
## 2556 2557 2558 2559 2560 2561 2562
## 1.3428093 1.3428093 0.4968413 1.5997281 0.4968413 1.5997281 1.7650791
## 2563 2564 2565 2566 2567 2568 2569
## 1.7650791 0.4255612 0.8280426 0.4255612 0.8280426 0.9254158 0.9254158
## 2570 2571 2572 2573 2574 2575 2576
## 0.4857645 0.4857645 0.4957312 0.4957312 2.0245718 2.0245718 0.9781077
## 2577 2578 2579 2580 2581 2582 2583
## 0.9781077 1.6456454 1.6456454 0.8866230 0.8866230 1.1934666 1.1934666
## 2584 2585 2586 2587 2588 2589 2590
## 0.7873928 0.7873928 1.6282602 1.6282602 1.1352011 1.1352011 0.6875287
## 2591 2592 2593 2594 2595 2596 2597
## 1.5864498 0.6875287 1.5864498 0.7506675 0.7506675 0.5425028 0.5425028
## 2598 2599 2600 2601 2602 2603 2604
## 1.5696464 1.5696464 1.3939138 1.3939138 0.7230039 1.4065956 0.7230039
## 2605 2606 2607 2608 2609 2610 2611

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## 1.4065956 1.4847381 0.7455236 0.7455236 1.4847381 1.4442050 1.4677409
## 2612      2613      2614      2615      2616      2617      2618
## 0.4728038 1.4677409 0.4728038 1.4442050 0.8166617 1.8265833 1.8265833
## 2619      2620      2621      2622      2623      2624      2625
## 0.6886266 0.6886266 0.8166617 1.0581059 1.0581059 1.6983994 0.6894693
## 2626      2627      2628      2629      2630      2631      2632
## 1.6983994 0.6894693 0.5282117 0.5282117 1.5833376 1.5833376 1.4150153
## 2633      2634      2635      2636      2637      2638      2639
## 1.4150153 0.9234638 0.9234638 0.8153755 0.8153755 0.6060786 0.6060786
## 2640      2641      2642      2643      2644      2645      2646
## 1.3907525 1.3907525 1.3373837 0.8564775 1.3373837 0.8564775 1.7012346
## 2647      2648      2649      2650      2651      2652      2653
## 1.2116248 1.7012346 0.4905355 1.2116248 0.4905355 1.5884228 0.6972981
## 2654      2655      2656      2657      2658      2659      2660
## 1.5884228 0.6972981 0.5678794 1.6554492 0.5678794 1.6554492 1.7155911
## 2661      2662      2663      2664      2665      2666      2667
## 2.5382064 1.7155911 2.5382064 1.0583051 1.5132829 1.0583051 1.5132829
## 2668      2669      2670      2671      2672      2673      2674
## 0.6959867 0.6959867 1.6431632 1.6431632 1.3011684 1.3011684 1.5011421
## 2675      2676      2677      2678      2679      2680      2681
## 1.5011421 0.8373327 0.8373327 1.3548361 1.3548361 1.4005787 1.4005787
## 2682      2683      2684      2685      2686      2687      2688
## 0.7369755 0.7369755 0.7546527 0.7546527 0.6013432 0.6013432 1.4035357
## 2689      2690      2691      2692      2693      2694      2695
## 0.3136183 1.4035357 0.4570658 1.5250092 1.5250092 0.3013757 0.4570658
## 2696      2697      2698      2699      2700      2701      2702
## 0.3585217 0.8871955 0.8871955 0.3279094 1.3923607 0.3585217 2.0264033
## 2703      2704      2705      2706      2707      2708      2709
## 0.6460402 0.6460402 2.0264033 1.5069858 0.7421996 1.5069858 1.2938786
## 2710      2711      2712      2713      2714      2715      2716
## 1.2938786 1.1158822 0.4943232 1.1158822 0.7087091 0.7087091 1.0993772
## 2717      2718      2719      2720      2721      2722      2723
## 1.0993772 1.6434111 2.0734040 2.0734040 0.9309941 1.1551813 1.1292971
## 2724      2725      2726      2727      2728      2729      2730
## 1.1292971 0.4712204 0.8891353 1.1760788 1.4146494 1.1760788 0.4501577
## 2731      2732      2733      2734      2735      2736      2737
## 0.8785937 1.4088626 1.4088626 0.6909364 1.9432704 0.4787356 0.4787356
## 2738      2739      2740      2741      2742      2743      2744
## 1.4290071 1.4290071 1.4730843 0.3812862 0.3812862 0.4979586 1.0114492
## 2745      2746      2747      2748      2749      2750      2751
## 1.6844164 1.6844164 1.0114492 0.4979586 0.7914954 0.4404268 0.8441022
## 2752      2753      2754      2755      2756      2757      2758
## 1.3026771 1.3026771 0.8441022 0.4404268 0.3897631 1.4643365 0.6782242
## 2759      2760      2761      2762      2763      2764      2765
## 0.6782242 0.3897631 1.4643365 0.7175473 1.6986661 1.6986661 0.7175473
## 2766      2767      2768      2769      2770      2771      2772

## 1.1280299 1.1993471 1.5234329 1.1993471 1.1280299 1.5234329 0.9559156
## 2773      2774      2775      2776      2777      2778      2779
## 0.9218246 0.9559156 1.6538381 0.9218246 1.6538381 1.4410769 1.4410769
## 2780      2781      2782      2783      2784      2785      2786

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## 0.4910200 0.9548348 0.7129066 0.9548348 0.4910200 0.7129066 0.7738149
## 2787 2788 2789 2790 2791 2792 2793
## 0.7738149 1.6088014 0.6641034 1.6088014 0.6504900 0.6641034 0.6504900
## 2794 2795 2796 2797 2798 2799 2800
## 0.6089045 0.6089045 1.4785193 1.3353184 0.4083475 1.4785193 1.3353184
## 2801 2802 2803 2804 2805 2806 2807
## 0.4083475 0.8154747 0.7870722 1.6532144 1.6532144 0.8154747 0.7870722
## 2808 2809 2810 2811 2812 2813 2814
## 0.5113968 1.0090060 1.0090060 0.5113968 1.4622955 1.4622955 0.5473842
## 2815 2816 2817 2818 2819 2820 2821
## 0.5473842 1.0763602 1.5188023 1.0763602 1.5188023 0.3349185 1.4243937
## 2822 2823 2824 2825 2826 2827 2828
## 0.4331678 0.3349185 1.3058249 0.4331678 1.3058249 1.4243937 0.3189956
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## 1.5271146 1.5271146 1.1954154 0.3189956 0.5951668 0.5951668 1.1954154
## 2836 2837 2838 2839 2840 2841 2842
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## 2843 2844 2845 2846 2847 2848 2849
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## 1.7839240 1.7839240 1.2237729 1.3141822 1.2237729 1.3141822 0.7540596
## 2857 2858 2859 2860 2861 2862 2863
## 1.5254657 1.1133244 0.7540596 1.5254657 1.1133244 0.5090112 1.6242840
## 2864 2865 2866 2867 2868 2869 2870
## 0.6206739 0.5090112 1.6242840 0.6206739 1.2432332 0.4589405 1.4209113
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## 1.4209113 1.2432332 0.4589405 1.7388321 0.8198316 1.2510464 1.7388321
## 2878 2879 2880 2881 2882 2883 2884
## 1.2510464 0.8198316 0.7853523 1.3991187 0.5449440 0.7853523 0.5449440
## 2885 2886 2887 2888 2889 2890 2891
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## 2892 2893 2894 2895 2896 2897 2898
## 0.7727122 0.7727122 0.4754320 1.4705419 0.4754320 1.4705419 0.4758879
## 2899 2900 2901 2902 2903 2904 2905
## 1.5802356 0.3887708 0.4758879 0.4820374 0.3887708 0.4820374 1.5802356
## 2906 2907 2908 2909 2910 2911 2912
## 0.6367646 0.3359918 1.5269029 0.4964160 1.5269029 0.3359918 0.4964160
## 2913 2914 2915 2916 2917 2918 2919
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## 2927 2928 2929 2930 2931 2932 2933
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## 2934 2935 2936 2937 2938 2939 2940
## 1.1898303 1.1898303 1.7715058 0.7519061 1.7715058 0.7519061 1.6564672
## 2941 2942 2943 2944 2945 2946 2947
## 0.5860478 0.4735918 0.5860478 0.4735918 1.6564672 1.1923763 0.4374131
## 2948 2949 2950 2951 2952 2953 2954
## 2.0245946 2.0245946 0.4374131 1.1923763 1.1242365 1.3621734 1.8810759
## 2955 2956 2957 2958 2959 2960 2961

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## 1.3621734 1.8810759 1.1242365 0.7618988 1.4599913 0.7618988 1.4599913
## 2962 2963 2964 2965 2966 2967 2968
## 1.6558266 1.6558266 1.1578009 1.1578009 1.3973503 1.3973503 0.6434910
## 2969 2970 2971 2972 2973 2974 2975
## 1.8965689 0.6434910 1.8965689 0.5260626 0.5260626 1.3491423 1.5277822
## 2976 2977 2978 2979 2980 2981 2982
## 1.3491423 1.5277822 1.5014006 0.3854266 2.0159347 0.7509262 1.3156778
## 2983 2984 2985 2986 2987 2988 2989
## 2.0159347 0.3854266 0.7509262 1.3156778 1.5014006 1.3961071 0.3373306
## 2990 2991 2992 2993 2994 2995 2996
## 1.5597422 0.3737440 1.5705645 1.5597422 0.3373306 0.3737440 1.3961071
## 2997 2998 2999 3000 3001 3002 3003
## 1.5705645 1.0735813 1.4225416 0.3467665 0.8252637 1.1894585 1.4225416
## 3004 3005 3006 3007 3008 3009 3010
## 0.8252637 1.9744620 0.3467665 1.9744620 1.0735813 1.1894585 0.7555735
## 3011 3012 3013 3014 3015 3016 3017
## 0.6630768 0.5324119 0.7555735 0.6630768 1.5825376 1.5825376 1.9045356
## 3018 3019 3020 3021 3022 3023 3024
## 1.9045356 0.5324119 1.3412716 0.7369290 1.6202310 1.3412716 0.7369290
## 3025 3026 3027 3028 3029 3030 3031
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## 3039 3040 3041 3042 3043 3044 3045
## 1.3081344 1.8283894 1.0282313 1.0687487 1.3336817 0.8062428 0.5810516
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## 1.3656781 1.3336817 0.8062428 1.3656781 1.0687487 0.5810516 0.7580492
## 3053 3054 3055 3056 3057 3058 3059
## 1.2889342 0.3220546 1.2889342 1.7485095 1.7485095 0.7580492 0.3220546
## 3060 3061 3062 3063 3064 3065 3066
## 0.5094729 0.3399704 1.0938619 1.0992022 0.8909297 1.5433931 1.5433931
## 3067 3068 3069 3070 3071 3072 3073
## 0.3399704 0.8909297 1.5433931 1.5433931 0.5094729 1.0938619 1.0992022
## 3074 3075 3076 3077 3078 3079 3080
## 0.3183786 0.4582340 1.2381824 0.6982997 1.3707014 0.6034637 0.6034637
## 3081 3082 3083 3084 3085 3086 3087
## 0.3183786 1.3707014 0.6982997 0.6034637 0.6034637 0.4582340 1.2381824
## 3088 3089 3090 3091 3092 3093 3094
## 0.3287338 0.3002308 1.6504807 0.5460992 0.7203962 0.5661065 0.5661065
## 3095 3096 3097 3098 3099 3100 3101
## 0.3287338 0.7203962 0.5661065 0.5661065 0.3002308 1.6504807 0.5460992
## 3102 3103 3104 3105 3106 3107 3108
## 1.6513572 1.2243710 0.6449703 0.6449703 1.6513572 1.2243710 1.4278829
## 3109 3110 3111 3112 3113 3114 3115
## 1.8195098 1.0969928 1.4278829 1.8195098 1.0969928 0.8757285 1.5303428
## 3116 3117 3118 3119 3120 3121 3122
## 0.8757285 0.4985693 1.4801421 1.4801421 1.5303428 0.4985693 0.7543770
## 3123 3124 3125 3126 3127 3128 3129
## 1.7357661 1.7357661 0.9292508 0.7150757 0.7150757 0.7543770 0.9292508
## 3130 3131 3132 3133 3134 3135 3136

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## 1.9327805 1.9327805 1.2255225 1.2255225 1.7569760 0.3724602 0.4109260
## 3137      3138      3139      3140      3141      3142      3143
## 0.4109260 1.7569760 0.3724602 1.3727311 1.3727311 0.8522574 0.8522574
## 3144      3145      3146      3147      3148      3149      3150
## 1.1434096 1.1434096 0.9039488 0.3302485 0.9039488 1.1569620 1.5048579
## 3151      3152      3153      3154      3155      3156      3157
## 1.5048579 0.3302485 1.1569620 0.6087060 0.3084572 0.6087060 1.0158930
## 3158      3159      3160      3161      3162      3163      3164
## 1.0158930 2.2743611 2.2743611 0.3084572 0.3138212 2.2657417 0.8663515
## 3165      3166      3167      3168      3169      3170      3171
## 2.2657417 0.8663515 1.6221969 1.6221969 0.3138212 1.4910445 1.2196302
## 3172      3173      3174      3175      3176      3177      3178
## 1.2196302 1.4910445 0.9283989 0.9283989 1.1414066 1.4271445 1.4271445
## 3179      3180      3181      3182      3183      3184      3185
## 1.1414066 1.5559017 0.7644492 1.8724808 0.7644492 1.8724808 1.5559017
## 3186      3187      3188      3189      3190      3191      3192
## 2.3356335 2.3356335 0.8435328 1.4630570 1.4630570 0.8435328 1.6490990
## 3193      3194      3195      3196      3197      3198      3199
## 1.6490990 0.4972306 1.0420238 1.0420238 0.4972306 1.7911360 1.3133524
## 3200      3201      3202      3203      3204      3205      3206
## 1.7911360 1.3133524 0.3638420 0.6095434 0.6095434 0.3638420 1.4846806
## 3207      3208      3209      3210      3211      3212      3213
## 1.5985083 1.4846806 1.5985083 1.3525070 0.8956983 2.3713759 2.3713759
## 3214      3215      3216      3217      3218      3219      3220
## 1.3525070 0.8956983 2.3979827 0.6439501 1.5894189 1.5894189 2.3979827
## 3221      3222      3223      3224      3225      3226      3227
## 0.6439501 1.7372620 1.3844288 1.2450474 1.2450474 1.3844288 1.7372620
## 3228      3229      3230      3231      3232      3233      3234
## 1.5075587 0.7393702 0.7393702 1.5075587 0.3683441 0.7180129 1.4660805
## 3235      3236      3237      3238      3239      3240      3241
## 0.3683441 1.4266375 1.4660805 1.4266375 0.7180129 0.3475462 1.3711684
## 3242      3243      3244      3245      3246      3247      3248
## 0.3475462 0.7345377 1.3711684 0.7345377 0.3688923 1.4754886 0.3688923
## 3249      3250      3251      3252      3253      3254      3255
## 0.7326975 1.4754886 0.7326975 1.0046451 2.3290747 2.3290747 1.0046451
## 3256      3257      3258      3259      3260      3261      3262
## 1.3963940 1.3963940 1.5512365 0.8356548 1.5512365 0.8356548 1.0788520
## 3263      3264      3265      3266      3267      3268      3269
## 1.0788520 0.6855195 0.6855195 1.4070775 1.4070775 1.2409462 1.2409462
## 3270      3271      3272      3273      3274      3275      3276
## 0.7687571 0.7687571 2.0938374 2.0938374 2.1452364 2.1452364 1.1757730
## 3277      3278      3279      3280      3281      3282      3283
## 1.1757730 1.5059387 1.5059387 0.6955138 0.6955138 0.7954473 1.5102605
## 3284      3285      3286      3287      3288      3289      3290
## 1.5102605 0.7954473 0.5720223 0.4712006 0.4059147 0.3339701 0.6705554
## 3291      3292      3293      3294      3295      3296      3297

## 0.4117492 0.3871763 0.9150065 0.3789064 0.3302519 1.3815525 0.4029981
## 3298      3299      3300      3301      3302      3303      3304
## 0.3502683 0.5765381 0.4016634 0.3423541 0.9854452 0.3700795 0.3106262
## 3305      3306      3307      3308      3309      3310      3311

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## 0.5686238 0.4269461 0.4192636 0.3799690 0.2761567 0.2907620 0.6705508
## 3312 3313 3314 3315 3316 3317 3318
## 0.4271660 0.2889062 0.5901488 0.2796187 0.3480658 0.3338875 0.2815746
## 3319 3320 3321 3322 3323 3324 3325
## 0.3471302 0.5562000 0.3140534 0.2697835 0.8175447 0.3253217 0.4543092
## 3326 3327 3328 3329 3330 3331 3332
## 0.5333467 0.4451411 0.5266766 0.9473959 0.5830878 0.5031738 0.9219237
## 3333 3334 3335 3336 3337 3338 3339
## 0.8093989 0.5103970 0.3337420 0.3100939 0.2847758 0.4319547 0.3529133
## 3340 3341 3342 3343 3344 3345 3346
## 0.2749571 1.1670820 0.3782437 0.3551757 1.2590458 0.4902896 0.3702013
## 3347 3348 3349 3350 3351 3352 3353
## 0.6160946 0.2954058 0.2703322 0.7067712 0.4352301 0.3629374 0.6059599
## 3354 3355 3356 3357 3358 3359 3360
## 0.2935067 0.2839870 0.4728819 0.3057334 0.2852247 0.4594480 0.3469846
## 3361 3362 3363 3364 3365 3366 3367
## 0.3462293 0.2769189 0.3015545 0.2608345 0.2762351 0.3174902 0.2952754
## 3368 3369 3370 3371 3372 3373 3374
## 1.3549690 0.3462722 0.3439586 0.3067413 0.2750413 0.2688362 0.5879696
## 3375 3376 3377 3378 3379 3380 3381
## 1.7307229 0.3495533 0.6713152 0.2682040 0.3824520 0.2698108 0.2869337
## 3382 3383 3384 3385 3386 3387 3388
## 0.3756595 0.3645203 1.0346171 0.8636664 0.9164396 0.6389104 0.4411276
## 3389 3390 3391 3392 3393 3394 3395
## 0.3798240 0.8528851 0.3792622 0.2962300 0.3190254 0.5808307 0.2647132
## 3396 3397 3398 3399 3400 3401 3402
## 0.3333448 0.3623874 0.4712044 0.3213573 0.3019970 0.4970453 0.3952716
## 3403 3404 3405 3406 3407 3408 3409
## 0.3905101 0.4880266 0.4598787 0.2952821 0.4418096 0.3487230 0.3092690
## 3410 3411 3412 3413 3414 3415 3416
## 0.5293847 0.3127348 0.6518230 0.5174739 0.3280005 0.3541678 0.6125014
## 3417 3418 3419 3420 3421 3422 3423
## 0.2771396 0.2770926 0.5550904 0.4913258 0.6186906 0.3032012 0.3902222
## 3424 3425 3426 3427 3428 3429 3430
## 0.2612291 0.3325467 0.4772542 1.9161084 0.3018613 0.5405808 0.4187877
## 3431 3432 3433 3434 3435 3436 3437
## 0.5811414 0.3166673 0.5942031 0.3712713 0.3119310 0.3091410 0.2813215
## 3438 3439 3440 3441 3442 3443 3444
## 0.2873269 0.2750392 0.7321201 0.5193364 0.5631867 0.7453295 0.3656076
## 3445 3446 3447 3448 3449 3450 3451
## 0.9281657 0.6189262 0.4067397 0.4688402 0.3414013 0.6888578 0.3105153
## 3452 3453 3454 3455 3456 3457 3458
## 0.3732200 0.2558753 0.8486513 0.3221633 0.3062791 0.3528282 0.2900795
## 3459 3460 3461 3462 3463 3464 3465
## 0.3296845 0.4111690 0.2800381 2.4242933 0.9984995 0.4396780 1.0317219
## 3466 3467 3468 3469 3470 3471 3472
## 0.5309559 0.9805835 0.3528431 0.6224517 0.4147694 0.7153364 0.5609193
## 3473 3474 3475 3476 3477 3478 3479
## 0.5043641 0.3055876 0.2783459 0.2773066 0.6927260 0.4407080 0.3808335
## 3480 3481 3482 3483 3484 3485 3486

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## 1.7544386 0.5514940 0.3721232 0.5690475 0.3579310 0.2784755 0.3626221
## 3487 3488 3489 3490 3491 3492 3493
## 0.2682992 0.3148306 0.4613041 0.3938512 0.3219369 0.2906176 0.3666513
## 3494 3495 3496 3497 3498 3499 3500
## 0.2880498 1.7183124 0.7728193 0.3503213 0.3496049 0.3041314 0.2731544
## 3501 3502 3503 3504 3505 3506 3507
## 0.4082577 0.2701741 0.2603706 0.6353416 0.2883998 0.2793823 0.2821656
## 3508 3509 3510 3511 3512 3513 3514
## 0.8416792 0.5050776 0.4382921 0.5112035 0.3094621 0.2767804 1.0813514
## 3515 3516 3517 3518 3519 3520 3521
## 0.7256737 0.7816887 0.4359667 0.3103282 0.2710870 0.6906625 0.3443138
## 3522 3523 3524 3525 3526 3527 3528
## 0.3290244 0.7076880 0.3268937 0.2960753 0.8974619 0.3486931 0.2771779
## 3529 3530 3531 3532 3533 3534 3535
## 0.5402790 0.3424495 0.2973990 0.9076961 1.2239634 1.3253008 2.1317388
## 3536 3537 3538 3539 3540 3541 3542
## 1.3711607 0.8190563 0.3989465 1.0609372 0.4111242 0.4812605 0.4103569
## 3543 3544 3545 3546 3547 3548 3549
## 1.7087337 0.8340029 1.3834371 1.4265945 0.4845430 0.6378287 1.0576649
## 3550 3551 3552 3553 3554 3555 3556
## 0.9868605 0.4066583 0.7842574 0.6291822 0.8747359 1.5313555 0.9859583
## 3557 3558 3559 3560 3561 3562 3563
## 0.5406240 1.2204521 1.1254239 0.8556396 0.7496804 1.3788245 0.4909531
## 3564 3565 3566 3567 3568 3569 3570
## 0.3953529 1.4982157 0.9486061 0.8656975 0.6830664 0.5411307 1.4366629
## 3571 3572 3573 3574 3575 3576 3577
## 1.5493332 0.85555836 0.8257389 1.8677537 0.7532079 0.5847111 1.0294478
## 3578 3579 3580 3581 3582 3583 3584
## 1.7801229 0.5418614 0.8920277 0.4390263 1.1937435 0.8576097 1.0794523
## 3585 3586 3587 3588 3589 3590 3591
## 0.5228095 0.9157312 1.7208834 0.4591739 1.0496558 1.2566485 0.5443955
## 3592 3593 3594 3595 3596 3597 3598
## 0.4927757 1.2977982 1.4377528 0.3969056 0.6687835 1.1193742 0.7117770
## 3599 3600 3601 3602 3603 3604 3605
## 0.4114196 0.5581651 0.4508995 1.2207799 1.6456440 0.4557772 0.8853841
## 3606 3607 3608 3609 3610 3611 3612
## 0.8422684 0.4675402 0.4773830 1.5347700 1.4413091 0.8266738 1.1684889
## 3613 3614 3615 3616 3617 3618 3619
## 0.6030407 1.6941276 0.4308900 0.6760734 0.3863824 1.2393689 0.7573320
## 3620 3621 3622 3623 3624 3625 3626
## 0.4396356 0.5749710 1.7151574 0.4649391 0.4574125 0.9185897 1.4607604
## 3627 3628 3629 3630 3631 3632 3633
## 1.3301524 0.5825645 0.8071757 0.6670683 1.0234829 0.4642021 1.5946705
## 3634 3635 3636 3637 3638 3639 3640
## 0.3869403 0.6535179 0.9064265 0.4154146 1.1636287 0.4124404 1.4779979
## 3641 3642 3643 3644 3645 3646 3647
## 0.8138655 1.1725066 0.7992529 0.5684384 0.8788239 0.4323211 1.6445796
## 3648 3649 3650 3651 3652 3653 3654
## 0.5578714 0.9283622 1.2189598 0.7491809 0.5596326 1.2315783 1.5006117
## 3655 3656 3657 3658 3659 3660 3661

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## 0.4429942 1.0704008 0.7491970 1.6083380 1.0940264 0.5275160 0.8475253
## 3662      3663      3664      3665      3666      3667      3668
## 1.3042879 0.5369750 0.9003681 0.4459171 1.7292762 1.3062483 0.9497471
## 3669      3670      3671      3672      3673      3674      3675
## 1.0464125 0.7934092 0.4484840 0.5112631 1.1430274 0.7055804 1.5135326
## 3676      3677      3678      3679      3680      3681      3682
## 0.3876038 0.7957264 0.7620782 1.1007037 1.5846651 0.5459901 0.5576002
## 3683      3684      3685      3686      3687      3688      3689
## 0.9252564 1.6809244 0.9877646 0.5402263 0.8804664 0.4717427 1.2039361
## 3690      3691      3692      3693      3694      3695      3696
## 0.4741581 0.5500082 1.2141586 0.7002678 1.0719838 0.5889721 1.3251143
## 3697      3698      3699      3700      3701      3702      3703
## 0.8524879 0.4044857 0.5107691 1.0878568 0.4307513 0.3619257 0.9905438
## 3704      3705      3706      3707      3708      3709      3710
## 1.4666293 0.5959566 0.8745292 1.0974207 0.7529399 1.6623386 0.8634302
## 3711      3712      3713      3714      3715      3716      3717
## 0.9595789 0.7950683 0.7098060 1.1544580 0.7272149 1.0823643 0.4476342
## 3718      3719      3720      3721      3722      3723      3724
## 1.6439844 0.8335683 1.5037092 0.9123527 0.7139967 0.8439794 0.7053171
## 3725      3726      3727      3728      3729      3730      3731
## 1.2001957 0.5187570 1.5721040 0.8626891 0.8406533 0.4061746 0.6887985
## 3732      3733      3734      3735      3736      3737      3738
## 1.1352950 0.8021264 1.5804981 0.5165115 0.9254360 1.7584809 0.7824361
## 3739      3740      3741      3742      3743      3744      3745
## 1.4507168 0.8805703 0.8699788 1.1855772 0.4477128 1.1900078 0.4621680
## 3746      3747      3748      3749      3750      3751      3752
## 0.6118757 1.4309108 0.7651665 0.4188187 0.7086237 0.4318348 1.0988631
## 3753      3754      3755      3756      3757      3758      3759
## 0.4400524 0.9059822 0.8826083 0.5209671 0.7658572 1.2841495 0.5388385
## 3760      3761      3762      3763      3764      3765      3766
## 0.8292252 1.5330019 0.6064520 1.4660581 0.8072864 0.8670659 1.3092095
## 3767      3768      3769      3770      3771      3772      3773
## 0.6365464 0.4933100 0.9577385 0.8813725 0.5279017 0.8151757 1.5615303
## 3774      3775      3776      3777      3778      3779      3780
## 0.3820059 1.1378339 0.8825248 0.4269636 1.2436015 1.0132609 0.4433559
## 3781      3782      3783      3784      3785      3786      3787
## 0.3841941 0.7935198 0.3970836 0.8809928 0.4061308 0.3822071 1.4425946
## 3788      3789      3790      3791      3792      3793      3794
## 0.7152331 0.9728878 0.4303579 1.3381015 1.3625737 0.8660061 0.8217072
## 3795      3796      3797      3798      3799      3800      3801
## 0.8187466 1.3917388 0.4246064 0.5030746 0.8999279 1.5198356 0.5243777
## 3802      3803      3804      3805      3806      3807      3808
## 1.1509525 0.8501141 1.5658359 0.9003422 0.4505291 0.9825515 0.9349892
## 3809      3810      3811      3812      3813      3814      3815
## 1.1233310 0.3979944 0.6616116 1.2642417 0.3829668 0.5552878 0.5037431
## 3816      3817      3818      3819      3820      3821      3822

## 1.2566121 2.0460334 0.5186280 0.8998538 0.3746647 1.1177129 0.6933349
## 3823      3824      3825      3826      3827      3828      3829
## 0.9003518 0.4290264 1.4076971 1.0180630 0.7944650 1.1500636 0.8350645
## 3830      3831      3832      3833      3834      3835      3836

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## 1.1760012 0.4472046 0.9080358 0.7500099 1.1267862 0.8443509 0.6078884
## 3837 3838 3839 3840 3841 3842 3843
## 1.1713175 0.9088066 0.8203158 0.8592174 0.8626090 0.4702057 0.4536332
## 3844 3845 3846 3847 3848 3849 3850
## 1.1667108 0.4220160 0.8835528 0.4372744 0.6644100 1.1556209 0.7069028
## 3851 3852 3853 3854 3855 3856 3857
## 0.8592429 0.4781030 0.5787374 0.3548086 0.9951081 0.7937593 0.5988613
## 3858 3859 3860 3861 3862 3863 3864
## 0.9716626 0.6960680 0.8465838 0.7722795 0.8292412 0.7043941 1.1769102
## 3865 3866 3867 3868 3869 3870 3871
## 0.7303401 1.0218649 0.4653962 0.7997065 0.4100119 1.0270661 0.5645068
## 3872 3873 3874 3875 3876 3877 3878
## 0.6269824 1.3529504 0.7889490 1.0996461 0.6997139 0.9841689 0.8349488
## 3879 3880 3881 3882 3883 3884 3885
## 0.8519779 0.5637820 1.1518710 0.6857295 0.6296984 0.4262259 0.8882830
## 3886 3887 3888 3889 3890 3891 3892
## 0.7516789 0.6801593 1.0979558 0.8063298 0.7245427 0.8168880 0.5742798
## 3893 3894 3895 3896 3897 3898 3899
## 0.3653351 1.0903875 0.7949192 0.4442670 1.0956326 0.8474357 0.4820568
## 3900 3901 3902 3903 3904 3905 3906
## 1.0085488 0.4730388 0.8113191 1.2567890 0.9141896 0.5633863 1.4226575
## 3907 3908 3909 3910 3911 3912 3913
## 0.8426869 0.4528743 1.0135877 0.5435668 0.4116676 0.9949994 0.7460471
## 3914 3915 3916 3917 3918 3919 3920
## 0.6422224 1.9429395 0.9164106 0.7841093 1.1332310 0.8278416 0.7392406
## 3921 3922 3923 3924 3925 3926 3927
## 1.6156628 1.6156628 1.6156628 0.4479773 0.7763500 0.4479773 0.3797504
## 3928 3929 3930 3931 3932 3933 3934
## 0.4244403 0.3797504 0.4134517 0.4418499 0.4134517 1.0596065 1.4333406
## 3935 3936 3937 3938 3939 3940 3941
## 0.7911978 1.1934274 0.5993700 1.3482634 1.3717462 1.3520460 0.4932472
## 3942 3943 3944 3945 3946 3947 3948
## 0.4107356 0.4033065 0.9960755 1.4968182 1.0552212 0.8189320 0.8524458
## 3949 3950 3951 3952 3953 3954 3955
## 0.7457353 0.8800105 0.7400327 0.9952753 1.2936587 1.0108502 0.9085752
## 3956 3957 3958 3959 3960 3961 3962
## 1.2508021 0.7910868 0.8403713 0.7892357 0.7900060 0.5600623 1.5758783
## 3963 3964 3965 3966 3967 3968 3969
## 0.8502581 1.0834033 0.7676210 0.5961105 0.9272252 1.0192497 0.5417405
## 3970 3971 3972 3973 3974 3975 3976
## 0.5050595 1.2601678 0.6940103 0.5344427 1.0639459 0.3999651 0.9673044
## 3977 3978 3979 3980 3981 3982 3983
## 0.7801092 1.1014842 1.3415442 1.3093679 1.1478702 0.8922480 0.5621125
## 3984 3985 3986 3987 3988 3989 3990
## 0.4193685 1.0533226 1.0422896 0.8961008 1.2599003 1.2599003 1.2555354
## 3991 3992 3993 3994 3995 3996 3997
## 1.2555354 0.9540149 0.9540149 1.5970789 1.3458865 0.9991280 1.6062838
## 3998 3999 4000 4001 4002 4003 4004
## 1.2581157 1.3286181 1.8235764 1.5612270 1.3325216 0.8211654 0.5079323
## 4005 4006 4007 4008 4009 4010 4011

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## 0.5846397 1.3027650 1.0332375 0.8644881 0.9793423 0.5793771 0.5585692
## 4012 4013 4014 4015 4016 4017 4018
## 0.8942087 0.8006969 0.9105813 1.4117304 1.0311895 0.8417468 0.8114110
## 4019 4020 4021 4022 4023 4024 4025
## 0.7759116 0.8139282 1.3399537 1.3131698 0.9890986 0.8599491 0.7129192
## 4026 4027 4028 4029 4030 4031 4032
## 1.2246164 1.3208207 0.8608718 1.0512734 0.8539696 1.0701700 0.7706018
## 4033 4034 4035 4036 4037 4038 4039
## 1.0636243 0.7595965 0.9454974 0.8152015 1.2698553 1.2217949 0.9797653
## 4040 4041 4042 4043 4044 4045 4046
## 0.6874946 0.8794206 0.9031023 0.4216688 0.8722423 0.4008289 0.5864006
## 4047 4048 4049 4050 4051 4052 4053
## 0.6477851 1.1218103 0.9839146 0.7646212 1.4993003 1.0380076 0.9859887
## 4054 4055 4056 4057 4058 4059 4060
## 1.1774333 0.7808155 0.7100936 0.6859990 0.7266737 0.7318031 0.4438626
## 4061 4062 4063 4064 4065 4066 4067
## 0.4490680 1.1863032 0.4325766 0.4399487 0.9198143 0.9948949 0.5541373
## 4068 4069 4070 4071 4072 4073 4074
## 1.4216089 0.5019731 0.9400171 0.7274408 0.9411770 0.7943917 0.5541593
## 4075 4076 4077 4078 4079 4080 4081
## 0.9528424 0.8520468 0.8545939 1.2698847 0.6157502 0.5594600 1.5456786
## 4082 4083 4084 4085 4086 4087 4088
## 1.0559199 0.8238278 1.3182326 0.6987483 0.5591534 1.3790485 1.0883887
## 4089 4090 4091 4092 4093 4094 4095
## 1.2497467 1.0508723 1.0842300 0.8044921 1.6713635 1.1365123 1.1148308
## 4096 4097 4098 4099 4100 4101 4102
## 1.2681125 1.2681125 1.0033193 1.0033193 0.8169556 0.8169556 1.5866688
## 4103 4104 4105 4106 4107 4108 4109
## 1.3846208 0.9581802 1.2286540 0.7932001 0.7829680 1.0674708 1.2356948
## 4110 4111 4112 4113 4114 4115 4116
## 0.9051890 1.3328898 0.8899183 0.6077601 1.1711402 1.1711402 1.3920190
## 4117 4118 4119 4120 4121 4122 4123
## 1.3920190 1.2188268 1.2188268 1.8005132 1.2082153 1.0003122 0.7674207
## 4124 4125 4126 4127 4128 4129 4130
## 0.8122070 0.5323806 1.0515706 0.5817724 0.8718654 0.3688582 0.8335270
## 4131 4132 4133 4134 4135 4136 4137
## 0.3737340 1.6291954 0.5268197 1.3692680 0.4710341 0.6618475 0.4482338
## 4138 4139 4140 4141 4142 4143 4144
## 1.2303409 1.4376467 1.4580820 1.1326522 1.3281464 0.7406638 1.0531425
## 4145 4146 4147 4148 4149 4150 4151
## 0.7067637 0.6713769 0.7230174 1.1549373 0.6019312 0.7447545 1.1490207
## 4152 4153 4154 4155 4156 4157 4158
## 0.6482369 0.4308738 1.3517294 0.9759430 0.9544794 1.0468078 0.8624752
## 4159 4160 4161 4162 4163 4164 4165
## 1.2180945 0.9071845 0.8937493 0.8587344 1.0873660 0.9647630 1.6502919
## 4166 4167 4168 4169 4170 4171 4172
## 1.0338456 0.9404377 0.6591630 1.1444777 1.4265927 0.9514557 0.9885832
## 4173 4174 4175 4176 4177 4178 4179
## 0.9787508 1.0873447 0.5124238 0.8708754 0.4295638 1.4502266 0.9808429
## 4180 4181 4182 4183 4184 4185 4186

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## 0.5965117 1.1028140 0.9999695 0.8391660 1.0666681 1.3835425 0.7330612
## 4187      4188      4189      4190      4191      4192      4193
## 0.8465596 0.9851421 0.4603157 0.7188432 0.6616207 0.9781081 0.8449651
## 4194      4195      4196      4197      4198      4199      4200
## 0.7925096 0.6456178 0.9287353 1.0164145 0.7907222 1.3831828 1.2487056
## 4201      4202      4203      4204      4205      4206      4207
## 0.9464831 1.4334976 1.0010448 0.8016178 0.5846276 1.0767227 0.8562226
## 4208      4209      4210      4211      4212      4213      4214
## 0.8594116 0.5639771 0.6240117 1.3872274 0.9788217 0.8087660 1.4008769
## 4215      4216      4217      4218      4219      4220      4221
## 1.0445026 1.1009034 1.1553571 0.9854069 0.7235629 1.0170671 0.9419988
## 4222      4223      4224      4225      4226      4227      4228
## 0.7761106 1.1498177 0.9194749 0.7292478 1.1529781 1.4096284 1.0361237
## 4229      4230      4231      4232      4233      4234      4235
## 0.8813628 0.7271905 0.5777366 1.1317113 0.7617900 0.4990080 1.4702684
## 4236      4237      4238      4239      4240      4241      4242
## 1.0632312 1.1100914 0.9721496 1.1047702 0.7126817 1.0595257 0.5793830
## 4243      4244      4245      4246      4247      4248      4249
## 1.2624219 1.1709173 0.8219383 0.9310638 1.0663173 1.1729283 1.3656177
## 4250      4251      4252      4253      4254      4255      4256
## 1.5770126 0.7419988 1.0323074 1.6461287 0.9474199 0.9749115 0.7597401
## 4257      4258      4259      4260      4261      4262      4263
## 0.6724431 0.3862249 0.9108925 0.4551698 0.7144986 0.6641113 1.0770841
## 4264      4265      4266      4267      4268      4269      4270
## 0.6947036 0.8321108 0.4491313 0.4537755 0.4394944 0.8989676 0.4509334
## 4271      4272      4273      4274      4275      4276      4277
## 0.6124276 0.4010330 0.4138045 0.6781835 0.4111072 0.5348917 0.6645398
## 4278      4279      4280      4281      4282      4283      4284
## 0.7373159 1.5313005 0.5590448 1.2538332 0.8262264 0.7105802 0.5393402
## 4285      4286      4287      4288      4289      4290      4291
## 0.6564879 0.4816080 0.3725677 0.3667424 1.6210389 1.3277430 1.0472400
## 4292      4293      4294      4295      4296      4297      4298
## 1.3656985 0.7460923 0.7088235 1.1646547 1.1646547 1.0025379 1.0025379
## 4299      4300      4301      4302      4303      4304      4305
## 0.7058559 0.7058559 1.0726533 1.0692146 0.7025275 1.0804664 1.0760300
## 4306      4307      4308      4309      4310      4311      4312
## 0.7077151 1.0833496 1.1165910 0.8016257 0.8008134 1.3440453 1.0897732
## 4313      4314      4315      4316      4317      4318      4319
## 1.0173314 0.4686281 0.3692537 0.3843848 1.5330301 0.5405791 0.5405791
## 4320      4321      4322      4323      4324      4325      4326
## 1.2746631 0.6169353 0.6169353 0.9062561 0.3851411 0.3851411 1.0537868
## 4327      4328      4329      4330      4331      4332      4333
## 0.6207716 0.5457190 1.1012316 1.0638413 0.6160673 1.0635504 0.6614266
## 4334      4335      4336      4337      4338      4339      4340
## 0.5423476 1.0803279 0.6723390 0.6428099 0.4169971 0.3978720 0.3721151
## 4341      4342      4343      4344      4345      4346      4347

## 0.3541474 0.3822442 1.2658746 0.3655586 1.5157112 0.7514566 1.1450882
## 4348      4349      4350      4351      4352      4353      4354
## 1.4102990 1.3256991 1.3800871 0.8667839 0.7181669 1.2519776 1.0291962
## 4355      4356      4357      4358      4359      4360      4361

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## 0.9184451 1.2301254 0.6031698 0.7754177 0.4060792 0.5723857 0.3788783
## 4362 4363 4364 4365 4366 4367 4368
## 1.1319944 0.8349361 0.8469482 0.4808624 0.7387175 0.4540957 0.9406967
## 4369 4370 4371 4372 4373 4374 4375
## 0.7704412 0.7419810 1.0274535 0.9708716 0.6836550 1.1698665 1.2094505
## 4376 4377 4378 4379 4380 4381 4382
## 0.4752692 1.4501301 0.8184750 0.4180064 1.0634792 0.3886400 0.7973648
## 4383 4384 4385 4386 4387 4388 4389
## 1.5180643 1.3927706 1.4355438 1.1017318 1.2904295 1.2532409 1.2723538
## 4390 4391 4392 4393 4394 4395 4396
## 0.5702455 0.6755827 0.3551471 0.5691878 0.3566572 1.0952259 1.2421519
## 4397 4398 4399 4400 4401 4402 4403
## 0.9060656 0.4535616 0.3936573 0.3684995 0.4348910 0.6600664 0.3891036
## 4404 4405 4406 4407 4408 4409 4410
## 0.5437294 0.3819786 0.5667453 1.2977288 0.8709212 0.8339323 0.9235385
## 4411 4412 4413 4414 4415 4416 4417
## 0.5034651 0.7497300 1.1137792 0.5123369 0.9429823 0.8285959 1.4115396
## 4418 4419 4420 4421 4422 4423 4424
## 1.0008238 0.7845752 0.9889123 0.9609754 0.8871054 0.9607775 0.5173418
## 4425 4426 4427 4428 4429 4430 4431
## 0.9308133 0.7405286 1.2777331 0.5057601 0.5091451 0.5285428 0.4437279
## 4432 4433 4434 4435 4436 4437 4438
## 0.7932996 0.4454659 0.4461811 0.4537224 0.4260132 0.4147769 0.5769997
## 4439 4440 4441 4442 4443 4444 4445
## 1.7504619 0.3924991 1.2936388 1.0556975 1.4975416 1.0128171 0.6077857
## 4446 4447 4448 4449 4450 4451 4452
## 1.1989589 1.0347947 1.1999955 0.4829278 1.0744430 0.4222610 0.9309010
## 4453 4454 4455 4456 4457 4458 4459
## 0.4264568 1.5309863 1.5349778 0.9820037 0.5914582 0.3590037 0.9109603
## 4460 4461 4462 4463 4464 4465 4466
## 0.3448467 0.8076691 0.8133115 0.9994502 1.3539238 1.0728389 0.9940018
## 4467 4468 4469 4470 4471 4472 4473
## 1.0412365 0.8311200 1.3007932 0.6810379 0.7439655 0.3621820 0.4983451
## 4474 4475 4476 4477 4478 4479 4480
## 0.3421238 1.0582432 1.1040944 0.7102104 1.0619425 0.7773390 0.7960090
## 4481 4482 4483 4484 4485 4486 4487
## 1.2077989 0.7067512 0.6775131 1.5897321 1.3472401 0.9389465 0.6974716
## 4488 4489 4490 4491 4492 4493 4494
## 1.7135351 0.6345002 0.2817717 0.4698234 0.9280722 0.9107705 1.8785165
## 4495 4496 4497 4498 4499 4500 4501
## 0.7530585 1.5725999 1.5076028 0.5141142 0.5204067 1.8852086 0.4178782
## 4502 4503 4504 4505 4506 4507 4508
## 0.3604842 0.4808807 0.3015321 0.6064039 1.5177873 0.8598449 0.8433610
## 4509 4510 4511 4512 4513 4514 4515
## 2.3271621 2.6909634 2.1727959 2.1943665 1.1714085 1.6049335 1.9653639
## 4516 4517 4518 4519 4520 4521 4522
## 1.2951175 0.8361963 1.2084071 0.7052634 0.6496681 0.6731154 2.0371905
## 4523 4524 4525 4526 4527 4528 4529
## 0.6795717 1.4785712 1.5273967 0.4617640 0.7258630 0.4243830 1.6207787
## 4530 4531 4532 4533 4534 4535 4536

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## 0.4985592 1.2137344 0.7396760 0.4798043 1.5163079 1.9744339 0.4676439
## 4537 4538 4539 4540 4541 4542 4543
## 0.5681598 1.4347327 0.4755534 0.3670372 0.7647021 0.7923679 0.3259035
## 4544 4545 4546 4547 4548 4549 4550
## 0.7927615 0.5840757 0.8133259 0.5999385 2.8773760 1.5745321 2.7434617
## 4551 4552 4553 4554 4555 4556 4557
## 2.1759215 1.6898094 1.2071956 0.7177122 1.5693320 0.8189864 1.5911644
## 4558 4559 4560 4561 4562 4563 4564
## 1.4997194 0.6980500 0.5537779 1.9389306 0.8582504 0.6211668 0.4964061
## 4565 4566 4567 4568 4569 4570 4571
## 0.7476637 0.6587019 0.4890222 0.5981088 0.6004716 0.5004700 2.0473559
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## 1.4171218 0.4891437 1.3354406 0.7134895 1.1677028 0.7301772 2.6743798
## 4579 4580 4581 4582 4583 4584 4585
## 1.6149472 0.9593390 0.4584690 1.7132055 2.2949879 0.6743474 0.3812177
## 4586 4587 4588 4589 4590 4591 4592
## 0.8432535 1.7562241 1.0418795 0.7043916 1.0107100 0.4290328 2.1129508
## 4593 4594 4595 4596 4597 4598 4599
## 0.6966863 1.0155319 1.1476591 2.6707554 2.0242666 1.1849150 0.9564469
## 4600 4601 4602 4603 4604 4605 4606
## 1.7528574 1.6292708 2.4922990 0.4485105 0.7231245 0.6031698 1.9450469
## 4607 4608 4609 4610 4611 4612 4613
## 0.7486832 1.4987061 0.5454306 0.6795569 0.5485043 0.8507172 1.5948250
## 4614 4615 4616 4617 4618 4619 4620
## 1.9044927 0.6306918 1.0807911 1.4200541 0.7845055 0.7911846 0.7472468
## 4621 4622 4623 4624 4625 4626 4627
## 0.7847905 0.4219892 1.5618202 0.6969365 1.8144885 1.5238246 0.4861859
## 4628 4629 4630 4631 4632 4633 4634
## 1.4297777 1.6623076 0.6102146 0.6997319 1.2479722 0.5329970 0.5711319
## 4635 4636 4637 4638 4639 4640 4641
## 1.9197866 2.3476062 1.4937717 1.5265880 0.8259954 1.5469722 1.3867705
## 4642 4643 4644 4645 4646 4647 4648
## 0.5018582 0.6672405 0.5673985 0.5154448 0.6150068 1.6654048 0.6443220
## 4649 4650 4651 4652 4653 4654 4655
## 1.6674724 1.2991771 0.5830809 0.3208178 0.3997863 1.1136733 2.1504798
## 4656 4657 4658 4659 4660 4661 4662
## 0.7788984 0.5132040 2.4972643 0.6795975 1.2884819 0.5082918 0.5167297
## 4663 4664 4665 4666 4667 4668 4669
## 0.8752411 0.6713733 0.8214675 2.4798157 1.9881790 1.4553237 1.4822729
## 4670 4671 4672 4673 4674 4675 4676
## 0.6566685 1.0212371 0.5939261 0.4746646 2.0313559 0.4193239 1.4386081
## 4677 4678 4679 4680 4681 4682 4683
## 0.7876783 0.4986463 0.5256739 0.6875105 1.4105009 1.7574026 1.7878610
## 4684 4685 4686 4687 4688 4689 4690
## 0.5680514 0.7886992 0.7346348 1.5770931 1.3522161 0.4058775 0.4665395
## 4691 4692 4693 4694 4695 4696 4697
## 0.4935526 1.5350519 2.3795306 2.7633264 0.8186542 0.4739268 0.4928758
## 4698 4699 4700 4701 4702 4703 4704
## 0.8011491 1.4252831 2.0764063 0.7029880 0.3580593 0.3592590 0.6177384
## 4705 4706 4707 4708 4709 4710 4711

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## 0.8490461 0.8138272 0.5659156 2.3718455 1.4485552 1.3357340 1.4999548
## 4712      4713      4714      4715      4716      4717      4718
## 1.3755671 0.7070202 1.8131190 1.7073734 1.4299244 0.5221014 0.8083649
## 4719      4720      4721      4722      4723      4724      4725
## 1.1495617 0.4427577 1.1563316 0.6143808 0.4227473 0.3654321 0.4253442
## 4726      4727      4728      4729      4730      4731      4732
## 0.7140767 0.8082424 0.3045592 1.5229214 2.3485185 2.1738102 0.9177952
## 4733      4734      4735      4736      4737      4738      4739
## 1.1745448 1.4717253 0.8640478 1.2247036 0.8709390 1.5699838 1.5916593
## 4740      4741      4742      4743      4744      4745      4746
## 2.3567511 1.6003658 1.9411607 1.5207894 0.8656842 0.5513531 1.0671282
## 4747      4748      4749      4750      4751      4752      4753
## 1.3992757 1.7158059 0.6866731 0.9528554 0.7530467 0.5775165 0.4412174
## 4754      4755      4756      4757      4758      4759      4760
## 0.5491795 0.4321848 2.0019672 0.7439523 0.4563221 0.3983090 0.4923450
## 4761      4762      4763      4764      4765      4766      4767
## 2.1386190 0.3325961 0.7515787 0.5081950 2.2222588 1.4843709 0.5234639
## 4768      4769      4770      4771      4772      4773      4774
## 1.2154994 0.8134755 0.8953621 1.4377437 1.3582227 0.6438557 0.5928950
## 4775      4776      4777      4778      4779      4780      4781
## 2.4613620 0.3927863 0.3881995 0.8140982 2.0414226 2.4754487 0.6210095
## 4782      4783      4784      4785      4786      4787      4788
## 0.6379178 0.7363092 1.5926157 0.4552899 0.5117837 0.7199667 0.5246307
## 4789      4790      4791      4792      4793      4794      4795
## 2.3541389 1.4258145 0.7707818 1.4650718 0.5311925 0.7464099 1.5630680
## 4796      4797      4798      4799      4800      4801      4802
## 0.5428947 0.5841102 0.3916021 2.3489648 2.2061112 1.8052227 1.8035371
## 4803      4804      4805      4806      4807      4808      4809
## 1.9049570 0.9256503 0.65555864 0.7112085 1.6235583 0.4396857 0.5506809
## 4810      4811      4812      4813      4814      4815      4816
## 0.5900395 1.4658661 1.5529434 0.8015540 0.7585403 2.2404420 2.1925662
## 4817      4818      4819      4820      4821      4822      4823
## 1.2398067 2.2034568 2.3104433 1.2678328 0.6076458 1.7845009 1.4194077
## 4824      4825      4826      4827      4828      4829      4830
## 2.3897817 0.5599132 0.5033204 0.9428429 0.6371005 1.6969059 0.3688344
## 4831      4832      4833      4834      4835      4836      4837
## 0.5138272 0.4177210 0.8570147 0.4231819 1.5867773 2.3508177 0.7177491
## 4838      4839      4840      4841      4842      4843      4844
## 1.8634640 2.2110300 1.4806661 1.2194899 0.4539374 1.4829223 0.5962430
## 4845      4846      4847      4848      4849      4850      4851
## 1.4581006 0.8986065 0.6091136 0.9543951 0.7363327 0.3867914 2.6536814
## 4852      4853      4854      4855      4856      4857      4858
## 0.6447855 1.9324468 0.6201271 0.5642998 0.4844123 0.5225767 0.4339495
## 4859      4860      4861      4862      4863      4864      4865
## 0.6337710 0.3745281 0.4765078 2.3679077 1.7823037 1.3916548 1.4170301
## 4866      4867      4868      4869      4870      4871      4872

## 1.8574157 0.9874646 0.8876100 0.4562625 1.0201152 0.5242777 0.6224504
## 4873      4874      4875      4876      4877      4878      4879
## 2.1794974 0.4421880 0.5957920 0.8267160 2.1377380 1.5092746 0.5468464
## 4880      4881      4882      4883      4884      4885      4886

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## 1.3866621 1.5774690 1.0748411 1.3601783 1.4518587 1.6345147 2.4161985
## 4887 4888 4889 4890 4891 4892 4893
## 0.7375732 0.7457283 1.4124186 0.5319000 0.4875669 1.1318797 1.8103772
## 4894 4895 4896 4897 4898 4899 4900
## 2.3037243 2.3355990 1.9579941 1.1103767 0.6392120 1.7967994 1.3103996
## 4901 4902 4903 4904 4905 4906 4907
## 1.2693475 0.4056691 0.8948201 0.8856897 0.7718798 0.5513807 0.8090570
## 4908 4909 4910 4911 4912 4913 4914
## 1.8733380 1.6105908 1.1835948 1.7289823 1.8992287 0.6717754 0.6083857
## 4915 4916 4917 4918 4919 4920 4921
## 2.4251895 0.7725345 0.7573297 0.4253442 1.4461613 1.6148405 1.9784309
## 4922 4923 4924 4925 4926 4927 4928
## 1.2746851 0.6181437 0.4698136 0.6964517 0.6984868 0.7323846 0.8473019
## 4929 4930 4931 4932 4933 4934 4935
## 0.4670857 0.6177762 0.4965276 2.0034079 2.3336593 1.9622599 1.5065009
## 4936 4937 4938 4939 4940 4941 4942
## 1.0022077 2.3267727 1.8867296 1.7108590 1.1946995 0.4322220 2.1579298
## 4943 4944 4945 4946 4947 4948 4949
## 1.5184043 0.5395642 0.7502206 0.9681394 0.5921673 0.4972545 0.3143836
## 4950 4951 4952 4953 4954 4955 4956
## 1.2562986 0.9380808 0.6250071 1.5510830 0.6350305 0.4471942 1.4956988
## 4957 4958 4959 4960 4961 4962 4963
## 0.7292101 0.5371663 0.5991981 1.7714900 0.5616978 0.6099114 0.6199138
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## 0.7582204 0.5166263 0.5249367 1.6903255 2.4694688 1.4059239 1.7968953
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## 0.6570738 1.4464810 0.6116493 0.7296546 0.6525314 0.5946223 0.4992729
## 4978 4979 4980 4981 4982 4983 4984
## 0.5108890 2.3087962 1.4825368 1.7583730 0.9502269 0.6617547 0.6766534
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## 1.4411159 2.0823224 0.5503109 0.5516650 0.7847527 0.4074524 0.4721940
## 4992 4993 4994 4995 4996 4997 4998
## 2.3776749 1.4695953 1.6215896 1.5946290 1.4408319 0.5647449 1.4635150
## 4999 5000 5001 5002 5003 5004 5005
## 0.8749056 0.7036446 0.5046963 1.5108823 0.7728878 0.4753280 0.4293857
## 5006 5007 5008 5009 5010 5011 5012
## 0.7128370 1.4994010 0.6254964 0.6607521 0.3979262 1.5948735 2.2675475
## 5013 5014 5015 5016 5017 5018 5019
## 0.7372603 1.2445200 2.3825330 0.4469254 0.4552833 0.8331156 1.9757639
## 5020 5021 5022 5023 5024 5025 5026
## 1.4719311 0.3454417 1.1884872 1.0448913 0.6343455 0.6647584 0.4269686
## 5027 5028 5029 5030 5031 5032 5033
## 1.5067433 1.5293849 1.7685885 1.6279200 0.6354825 0.4167705 0.8104152
## 5034 5035 5036 5037 5038 5039 5040
## 0.6335384 0.3794926 0.5136605 0.7555161 0.7884667 1.6867064 1.5620435
## 5041 5042 5043 5044 5045 5046 5047
## 1.6203659 0.6109110 0.5734095 2.4608586 1.1565259 0.4127757 0.8206538
## 5048 5049 5050 5051 5052 5053 5054
## 2.0158337 0.5394315 1.3924917 0.6754989 1.4905294 1.7627606 2.2530092
## 5055 5056 5057 5058 5059 5060 5061

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## 0.8250439 2.1512961 1.3687781 0.7041137 1.2594190 0.4982158 1.2691661
## 5062 5063 5064 5065 5066 5067 5068
## 0.8410045 0.4721064 0.6995851 0.6027399 0.5156838 0.4140956 2.4121772
## 5069 5070 5071 5072 5073 5074 5075
## 1.6399349 2.3646233 0.8208609 1.5497266 1.4669675 0.6663879 0.7255918
## 5076 5077 5078 5079 5080 5081 5082
## 0.5678250 1.7236985 0.4495030 0.3719935 1.1286525 0.4815966 1.8906036
## 5083 5084 5085 5086 5087 5088 5089
## 0.5228282 1.4476804 1.9597550 1.6212873 0.4689270 1.9575408 0.7449957
## 5090 5091 5092 5093 5094 5095 5096
## 0.6646426 1.0867843 0.9683013 0.3680922 0.6062442 0.6231150 1.4139414
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## 0.6383547 0.7818683 0.6657978 2.0040002 1.5084677 2.1831731 0.7622074
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## 1.2965015 2.2213032 1.9743837 0.7883987 0.5189034 1.3942709 1.3124011
## 5118 5119 5120 5121 5122 5123 5124
## 2.1669669 1.6506346 1.5234615 1.7272973 0.5030609 0.5182537 0.5151402
## 5125 5126 5127 5128 5129 5130 5131
## 0.3514822 0.4111525 1.9332303 1.5999182 1.1827685 0.8665903 1.1745075
## 5132 5133 5134 5135 5136 5137 5138
## 1.2053780 0.5824518 0.5608680 0.8106053 2.1979571 1.5026551 2.5923723
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## 0.7957365 1.3493792 1.4556827 0.6493952 0.4628008 1.5568144 2.0794359
## 5146 5147 5148 5149 5150 5151 5152
## 1.6059261 1.4953005 0.5281692 0.7375169 0.5824246 2.0852389 1.1845223
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## 2.1987711 1.6134310 0.5093479 1.7440831 0.7531300 1.4563984 1.5593599
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## 0.4597743 2.5827432 0.6985940 0.7255163 1.1335198 0.4241430 0.7489482
## 5167 5168 5169 5170 5171 5172 5173
## 1.3728614 1.5084474 0.5107692 1.0635247 1.3930749 1.4798688 0.3164740
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## 2.7346439 0.4823774 0.5662342 0.6556107 1.9277371 0.3756451 0.4215645
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## 1.1254484 1.9874162 2.4767727 2.1185511 2.0378091 1.2577552 1.1204556
## 5188 5189 5190 5191 5192 5193 5194
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## 1.6995591 1.3548020 0.4840700 2.5487946 0.6029957 1.5121769 0.5841817
## 5216 5217 5218 5219 5220 5221 5222
## 1.1150559 2.4585325 1.6870118 2.8145541 0.5028392 0.5507656 2.3268828
## 5223 5224 5225 5226 5227 5228 5229
## 0.6516592 1.8837331 0.6132708 1.6500413 0.4106378 1.4896963 0.6191179
## 5230 5231 5232 5233 5234 5235 5236

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## 0.3932356 0.6687511 0.6649790 0.5768235 0.6327240 1.7597590 2.2424388
## 5237      5238      5239      5240      5241      5242      5243
## 2.0499947 0.6725714 1.3271373 1.1145710 1.8505253 1.3864617 0.3960113
## 5244      5245      5246      5247      5248      5249      5250
## 0.4525837 0.4396998 0.9822581 0.7115648 0.6141257 0.6268234 1.9765246
## 5251      5252      5253      5254      5255      5256      5257
## 0.7010596 1.7981082 1.9901261 0.6320136 0.7717704 1.3721832 1.1342819
## 5258      5259      5260      5261      5262      5263      5264
## 0.5000259 1.6828136 0.7478025 0.4860214 0.7943209 0.7635940 0.6984921
## 5265      5266      5267      5268      5269      5270      5271
## 2.6313022 1.9496835 1.0095414 2.5861262 0.5533732 0.5626806 1.4267160
## 5272      5273      5274      5275      5276      5277      5278
## 0.4169803 1.4911681 2.0481592 1.6075205 1.6942908 2.3504119 1.4017963
## 5279      5280      5281      5282      5283      5284      5285
## 0.6723015 1.3751893 2.1797049 2.4877234 1.0671946 1.0953268 1.6910527
## 5286      5287      5288      5289      5290      5291      5292
## 1.7689200 2.4449256 1.6182352 1.4278388 0.4629188 0.4906029 0.6540556
## 5293      5294      5295      5296      5297      5298      5299
## 0.9806326 1.2987269 1.1098223 2.1547688 2.3966033 0.7695446 0.4516704
## 5300      5301      5302      5303      5304      5305      5306
## 2.5072638 0.5517737 0.5602780 0.5756944 1.0209026 2.1308678 0.5073280
## 5307      5308      5309      5310      5311      5312      5313
## 1.5853236 0.7043713 1.8045720 0.5464278 2.0792238 0.8071637 2.1418235
## 5314      5315      5316      5317      5318      5319      5320
## 1.7615497 1.3568674 1.2879055 0.6411302 1.3596281 2.0121840 0.4576843
## 5321      5322      5323      5324      5325      5326      5327
## 2.0558848 0.6314952 1.6545181 0.4928470 1.0214137 0.3470165 1.0789191
## 5328      5329      5330      5331      5332      5333      5334
## 0.7112083 0.4334010 0.5828438 2.3761888 0.4680290 0.5799098 1.5147735
## 5335      5336      5337      5338      5339      5340      5341
## 1.7787043 2.4312204 0.8806707 1.7660658 1.1321218 1.7307333 0.6814770
## 5342      5343      5344      5345      5346      5347      5348
## 0.4797058 1.5122699 0.4375621 1.5074101 2.3766331 2.0804304 1.4101018
## 5349      5350      5351      5352      5353      5354      5355
## 0.8649683 1.1796417 0.6201047 0.5877394 0.6612497 2.1280114 1.3282699
## 5356      5357      5358      5359      5360      5361      5362
## 1.2108263 0.4673158 0.7090376 0.3335560 1.6353900 2.6502768 2.0008532
## 5363      5364      5365      5366      5367      5368      5369
## 0.5400596 1.6797670 1.2997107 0.9770683 2.3748184 0.3351821 0.7199625
## 5370      5371      5372      5373      5374      5375      5376
## 0.6119673 0.6743858 1.3109193 1.5615001 1.7820800 0.7670878 1.3606640
## 5377      5378      5379      5380      5381      5382      5383
## 0.5802654 0.8224439 0.6838932 0.5517464 0.5496496 0.5094439 0.3485070
## 5384      5385      5386      5387      5388      5389      5390
## 1.3677085 1.9543615 0.7430564 1.9897390 0.7296172 0.4652524 0.7187225
## 5391      5392      5393      5394      5395      5396      5397

## 0.6845476 1.4756459 0.4433466 0.8080394 0.4693913 1.4218461 1.4940481
## 5398      5399      5400      5401      5402      5403      5404
## 0.5373288 0.5002432 0.3586634 0.3542157 1.4819975 2.0341613 0.9795968
## 5405      5406      5407      5408      5409      5410      5411

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## 1.6440157 0.4663118 1.1958912 1.9054712 1.5564026 1.2336875 1.4388191
## 5412 5413 5414 5415 5416 5417 5418
## 1.9942442 0.6650804 0.6645465 1.6378556 2.2826355 0.3664571 0.5090219
## 5419 5420 5421 5422 5423 5424 5425
## 0.7330005 1.4782131 0.6327567 1.1129682 2.1243446 1.5428907 1.6530842
## 5426 5427 5428 5429 5430 5431 5432
## 1.2414575 0.8240235 1.0396842 1.1925948 0.6276193 0.8049656 1.5458254
## 5433 5434 5435 5436 5437 5438 5439
## 1.4790948 0.9599844 0.8138811 0.3954561 0.4089102 1.6288968 1.4481255
## 5440 5441 5442 5443 5444 5445 5446
## 1.4596861 0.9262274 1.3687200 0.9481401 1.8748948 1.7182221 1.0120801
## 5447 5448 5449 5450 5451 5452 5453
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## 1.1611548 1.2991012 0.4811591 0.5994849 2.4865800 1.5687633 0.4472384
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## 5482 5483 5484 5485 5486 5487 5488
## 0.5049270 1.4557796 1.4521907 2.2005519 0.8221605 0.4882941 0.8263230
## 5489 5490 5491 5492 5493 5494 5495
## 0.4243646 0.3313994 0.4862997 1.6808249 0.9595432 0.5506719 1.4962101
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## 0.8471006 1.4935085 1.3805809 0.4148308 0.8334923 1.8807774 0.6075138
## 5503 5504 5505 5506 5507 5508 5509
## 0.8760823 1.3013187 0.3788741 0.9706611 1.7009338 1.3432855 2.4383464
## 5510 5511 5512 5513 5514 5515 5516
## 0.5262850 0.4961600 2.4638022 1.1954798 1.4507686 0.3446770 0.4456039
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## 1.0459431 0.3882018 2.0042126 0.5454874 0.5182780 1.3308175 1.7420527
## 5531 5532 5533 5534 5535 5536 5537
## 0.6526711 1.5648782 0.9888920 1.8254020 1.0013347 1.7157158 0.6200125
## 5538 5539 5540 5541 5542 5543 5544
## 2.3763832 1.9166781 1.7059900 1.1885384 1.3323390 0.9409212 2.0507586
## 5545 5546 5547 5548 5549 5550 5551
## 0.8139655 0.4905203 0.6745071 0.5011555 0.9087378 0.6064008 0.6250939
## 5552 5553 5554 5555 5556 5557 5558
## 1.9870649 1.1589970 1.5591063 1.7092467 0.7637381 0.7221691 1.6142686
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## 2.3647719 1.3894407 1.3031391 0.7161729 1.4924005 1.3705124 0.7284083
## 5580 5581 5582 5583 5584 5585 5586

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## 1.6407749 1.2691355 0.6228335 1.4685409 0.9113364 0.5641044 1.3621535
## 5587 5588 5589 5590 5591 5592 5593
## 0.8393187 0.9403804 0.6798647 0.6175218 0.7538472 1.4557846 1.4524359
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## 1.5989508 0.8706499 0.5691808 1.1824074 0.6433330 2.2594969 0.4168741
## 5601 5602 5603 5604 5605 5606 5607
## 0.6256176 1.5723862 1.2302459 2.3868223 1.7593042 1.3608271 0.9559553
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## 1.4481833 0.7256333 0.3971832 1.6228596 0.8698556 0.4404944 0.8131861
## 5615 5616 5617 5618 5619 5620 5621
## 0.6722427 0.44444397 1.6288300 1.7161056 1.1981962 1.3592287 1.3252862
## 5622 5623 5624 5625 5626 5627 5628
## 0.7527599 1.5773151 0.6370227 2.3422860 0.4802067 1.0890137 0.4642189
## 5629 5630 5631 5632 5633 5634 5635
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## 5636 5637 5638 5639 5640 5641 5642
## 1.3829534 0.7501523 1.1637486 1.4268072 0.5990820 0.6917413 1.6125580
## 5643 5644 5645 5646 5647 5648 5649
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## 5671 5672 5673 5674 5675 5676 5677
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## 1.5913685 1.3603585 0.8582137 1.3503100 0.7396853 0.5635736 1.5767570
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## 0.6265740 0.5336993 0.7877040 2.3903936 0.6558265 0.6680516 1.5551393
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## 1.0847877 1.7191601 1.6653046 0.8202317 1.6258395 0.9378576 1.5301822
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## 0.6966649 1.6392780 0.7808877 0.5340252 0.8393813 0.6003569 1.1753208
## 5727 5728 5729 5730 5731 5732 5733
## 0.7593986 0.7062879 1.1665554 1.5881638 1.9244101 1.9857460 1.4273050
## 5734 5735 5736 5737 5738 5739 5740
## 1.0523975 1.7048509 1.6506632 0.8400881 1.0887725 0.6313890 0.6738222
## 5741 5742 5743 5744 5745 5746 5747
## 1.3669665 1.2696307 0.9388702 0.9614565 0.5942094 0.5885119 1.2530694
## 5748 5749 5750 5751 5752 5753 5754
## 0.5649065 0.7324121 0.8817149 0.5637093 0.4801536 0.7229682 0.5237372
## 5755 5756 5757 5758 5759 5760 5761

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## 0.5719542 0.4938071 1.6970688 1.9650496 1.0276274 1.3343201 0.9690851
## 5762      5763      5764      5765      5766      5767      5768
## 2.0401495 0.5163118 1.9240802 1.1464214 0.6605551 1.5101843 1.1299876
## 5769      5770      5771      5772      5773      5774      5775
## 1.5433300 0.8710131 0.4238151 0.6816526 1.4324052 0.6855921 1.9423160
## 5776      5777      5778      5779      5780      5781      5782
## 0.9886467 1.3599953 0.5535800 1.4386175 2.2466267 0.4226997 0.6813387
## 5783      5784      5785      5786      5787      5788      5789
## 1.3351087 0.4299515 0.7425455 0.7214642 0.9781942 0.5349673 0.7941145
## 5790      5791      5792      5793      5794      5795      5796
## 0.6752078 2.3523721 0.6974949 1.1510430 2.3017131 1.4621978 1.6379895
## 5797      5798      5799      5800      5801      5802      5803
## 1.7920224 2.3833793 1.5730793 1.1236110 2.2924757 2.0291341 0.9810810
## 5804      5805      5806      5807      5808      5809      5810
## 0.9011725 0.9407653 1.5019243 1.9463257 1.0562325 0.5419741 1.6670111
## 5811      5812      5813      5814      5815      5816      5817
## 1.6233067 1.6722364 1.4461781 0.5839970 0.4024220 0.5065288 0.4443664
## 5818      5819      5820      5821      5822      5823      5824
## 0.7720512 0.7909276 0.5781911 0.3504593 1.0835121 1.2120755 0.8600555
## 5825      5826      5827      5828      5829      5830      5831
## 0.5088178 0.9286841 1.7167616 1.7759827 0.3771757 0.5240337 1.9516737
## 5832      5833      5834      5835      5836      5837      5838
## 0.2664081 0.6108677 0.5339535 0.5371423 0.3564164 1.0603488 1.4550542
## 5839      5840      5841      5842      5843      5844      5845
## 0.7333729 1.8319187 1.3103071 0.2726319 0.6795161 0.7661863 0.5040134
## 5846      5847      5848      5849      5850      5851      5852
## 1.6132743 0.8437791 0.6516435 1.5961424 1.9562261 1.6291629 1.4472520
## 5853      5854      5855      5856      5857      5858      5859
## 1.9997538 1.1896906 0.7530209 0.9786921 1.6216192 1.1490910 0.6574829
## 5860      5861      5862      5863      5864      5865      5866
## 0.5943186 1.4446062 0.4360691 1.0591179 0.6076692 0.6619937 0.4361800
## 5867      5868      5869      5870      5871      5872      5873
## 1.3001582 0.4423361 0.8064942 0.7198058 1.5373173 1.6993370 1.3670949
## 5874      5875      5876      5877      5878      5879      5880
## 0.7187428 1.5691408 1.5052270 0.6417462 0.7627171 0.4401931 1.5302914
## 5881      5882      5883      5884      5885      5886      5887
## 1.0655166 0.7197044 0.4118796 1.6164235 0.5131791 1.1906874 0.6341633
## 5888      5889      5890      5891      5892      5893      5894
## 0.4245896 1.1979260 0.6757336 0.7055958 1.5365441 1.5470880 1.6068031
## 5895      5896      5897      5898      5899      5900      5901
## 0.4419831 1.9792456 0.6946535 1.5361883 1.2849704 0.7666299 0.9728820
## 5902      5903      5904      5905      5906      5907      5908
## 0.5397890 0.6970411 2.4412546 0.6816555 1.2968322 0.6016524 0.4939135
## 5909      5910      5911      5912      5913      5914      5915
## 1.6682803 1.5293004 1.4880011 1.9377932 0.9048661 0.6869605 0.7252304
## 5916      5917      5918      5919      5920      5921      5922

## 0.7697380 1.1285390 0.4723466 0.7601147 1.0273231 1.2555765 1.7196973
## 5923      5924      5925      5926      5927      5928      5929
## 1.4393875 1.5386381 1.9777037 2.3198087 0.8812883 1.1870396 2.3418340
## 5930      5931      5932      5933      5934      5935      5936

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## 0.7345442 0.8291489 1.4343878 1.2936629 0.5015471 0.4641481 1.1131614
## 5937 5938 5939 5940 5941 5942 5943
## 0.4468334 0.5063971 1.9542630 0.4877011 2.2746980 0.6191682 2.3357138
## 5944 5945 5946 5947 5948 5949 5950
## 2.5085432 2.0433845 2.1532552 0.6554572 0.7338388 0.3171255 0.6340448
## 5951 5952 5953 5954 5955 5956 5957
## 0.4106392 1.5246490 0.9373027 1.6149094 1.3670296 0.7865264 1.6036217
## 5958 5959 5960 5961 5962 5963 5964
## 1.0076973 2.1580541 0.5124226 0.4358201 0.5177962 0.3351543 0.7123971
## 5965 5966 5967 5968 5969 5970 5971
## 0.6556995 0.9357641 0.4779965 0.7464665 0.4996894 1.5898280 0.2701878
## 5972 5973 5974 5975 5976 5977 5978
## 0.5154036 2.2660099 0.7326894 0.6093830 1.1869416 0.2929693 1.4190728
## 5979 5980 5981 5982 5983 5984 5985
## 1.3297410 0.6849054 0.5023899 0.5300073 0.5208095 1.4543912 2.5559806
## 5986 5987 5988 5989 5990 5991 5992
## 1.4833784 1.5234211 0.6199148 1.9162424 1.9245007 1.5718426 0.8734938
## 5993 5994 5995 5996 5997 5998 5999
## 0.6599209 0.5531381 1.0390456 1.3835055 1.8290949 0.5851980 0.3928559
## 6000 6001 6002 6003 6004 6005 6006
## 0.4744210 1.7393196 1.8675620 1.1574093 2.3132718 1.4810366 0.5419255
## 6007 6008 6009 6010 6011 6012 6013
## 1.7430594 1.8034673 0.5871282 1.5135640 1.3178959 0.7257060 0.9605483
## 6014 6015 6016 6017 6018 6019 6020
## 1.4047392 0.3808070 0.8371563 1.5648592 0.6174085 0.6189714 0.8260213
## 6021 6022 6023 6024 6025 6026 6027
## 0.6666306 1.1315609 0.3902749 0.4257682 1.1615446 1.8642703 1.6075249
## 6028 6029 6030 6031 6032 6033 6034
## 1.6587715 1.1395138 0.6983578 1.4606593 0.8016786 0.4087727 2.1782384
## 6035 6036 6037 6038 6039 6040 6041
## 0.4712665 1.4982349 0.6910784 0.4497845 1.6687160 0.6511851 1.7349577
## 6042 6043 6044 6045 6046 6047 6048
## 0.4047986 0.6198509 0.3681215 1.5835645 1.2078151 2.0015163 0.8364087
## 6049 6050 6051 6052 6053 6054 6055
## 1.8105256 1.9892569 1.4406455 1.6848223 0.4285614 0.7969404 1.2581053
## 6056 6057 6058 6059 6060 6061 6062
## 1.8328150 0.9736315 1.5608190 1.1249499 2.1959945 0.5588125 0.6677553
## 6063 6064 6065 6066 6067 6068 6069
## 0.7832122 1.7269961 1.3041558 2.1693637 0.4009355 1.9515902 0.6457522
## 6070 6071 6072 6073 6074 6075 6076
## 0.4715236 1.5910632 1.5202919 0.4872883 0.9329767 0.7072493 1.5002360
## 6077 6078 6079 6080 6081 6082 6083
## 1.6296751 0.4121778 1.3983578 0.6776194 0.6020494 0.4453399 1.1152341
## 6084 6085 6086 6087 6088 6089 6090
## 1.4831174 1.0956737 1.9900471 1.9961240 1.3578856 2.1681802 1.3972356
## 6091 6092 6093 6094 6095 6096 6097
## 1.1206871 1.4446988 0.9046786 1.1779590 1.6725360 1.8022507 0.7663621
## 6098 6099 6100 6101 6102 6103 6104
## 2.4807473 0.6328390 1.8783541 1.3114225 0.4679535 0.3824574 0.6185481
## 6105 6106 6107 6108 6109 6110 6111

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## 1.1094933 1.9963629 1.1767838 0.9758032 1.5032978 0.4664631 1.4567030
## 6112 6113 6114 6115 6116 6117 6118
## 0.2747487 0.56444615 0.7704677 1.9296117 0.6286162 0.4837779 0.6426781
## 6119 6120 6121 6122 6123 6124 6125
## 0.6814188 0.2772059 0.4866552 1.5099897 0.7414990 0.7506304 2.4351641
## 6126 6127 6128 6129 6130 6131 6132
## 1.1719406 2.4844794 1.2235653 1.5877883 1.4898370 1.7379532 1.8155691
## 6133 6134 6135 6136 6137 6138 6139
## 0.7036348 0.5774037 1.0770505 0.7113487 1.6296267 0.4346812 0.4620104
## 6140 6141 6142 6143 6144 6145 6146
## 1.6694987 0.5146268 0.8446860 1.2258501 0.4189935 0.9234910 2.5101988
## 6147 6148 6149 6150 6151 6152 6153
## 1.7496892 2.4893450 1.5647896 1.0019998 1.9037120 1.4030925 0.6343603
## 6154 6155 6156 6157 6158 6159 6160
## 0.4335933 2.3780498 0.6624542 0.7634380 1.8616583 1.4755385 0.5753101
## 6161 6162 6163 6164 6165 6166 6167
## 2.2657487 1.6214134 0.7256706 1.0413040 2.0283100 1.6651269 1.4205626
## 6168 6169 6170 6171 6172 6173 6174
## 0.7148338 0.4918409 1.6440890 0.6939132 0.4756086 0.7533319 1.5386676
## 6175 6176 6177 6178 6179 6180 6181
## 0.6849639 2.4539165 2.6065514 2.1699400 1.5441209 1.5724611 1.4632537
## 6182 6183 6184 6185 6186 6187 6188
## 1.5687109 1.4367331 0.8964025 0.4777534 0.7911981 1.9698146 0.6588767
## 6189 6190 6191 6192 6193 6194 6195
## 2.0655754 0.6644025 0.5621216 2.0942254 2.0854665 0.9583753 0.4020040
## 6196 6197 6198 6199 6200 6201 6202
## 1.1168579 1.0170523 1.3942619 0.9658180 0.6227841 1.4633330 0.4754101
## 6203 6204 6205 6206 6207 6208 6209
## 1.5989359 0.5161133 0.8843622 0.5360925 1.2950992 1.0411072 0.7140266
## 6210 6211 6212 6213 6214 6215 6216
## 1.3313932 1.0825922 1.5892280 2.2257762 1.3480123 2.4748460 1.6596552
## 6217 6218 6219 6220 6221 6222 6223
## 0.9581834 1.1702355 0.6920667 1.6613412 1.9685417 1.9943559 1.7037267
## 6224 6225 6226 6227 6228 6229 6230
## 0.7082782 0.5250156 0.7491658 0.4351116 2.5322542 0.6583175 1.4705049
## 6231 6232 6233 6234 6235 6236 6237
## 1.5384906 0.7569938 0.7670590 2.0761248 0.7560032 0.5607763 1.7173414
## 6238 6239 6240 6241 6242 6243 6244
## 0.4712734 0.5008693 0.5518825 1.4843241 1.7967295 0.4237083 1.2622912
## 6245 6246 6247 6248 6249 6250 6251
## 1.3237485 0.5070036 1.0926303 0.5217449 1.9116157 1.2999097 0.3621429
## 6252 6253 6254 6255 6256 6257 6258
## 0.3922355 0.5117754 0.9891045 1.4109246 0.3442906 0.6930631 0.8668901
## 6259 6260 6261 6262 6263 6264 6265
## 0.6281122 1.2063102 0.3619048 0.6453737 0.7426596 0.3962757 0.6925875
## 6266 6267 6268 6269 6270 6271 6272
## 1.0532075 1.4069976 0.6164780 1.6382886 2.0107068 0.8198572 1.0769549
## 6273 6274 6275 6276 6277 6278 6279
## 1.9923544 0.5928526 0.5271921 1.6779832 1.5184818 1.6805204 0.9927128
## 6280 6281 6282 6283 6284 6285 6286

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## 0.6321169 1.5459120 2.4420917 1.4263000 1.4796992 0.7512886 1.6593499
## 6287      6288      6289      6290      6291      6292      6293
## 1.0519389 0.6919440 2.4145403 1.9832001 0.5097657 1.5687161 1.2104233
## 6294      6295      6296      6297      6298      6299      6300
## 0.6457453 0.4113389 2.5514357 1.4952229 1.5525156 0.7520565 2.2240152
## 6301      6302      6303      6304      6305      6306      6307
## 1.5203668 0.8161613 0.7504141 0.5353941 1.4324669 2.5095717 1.5906075
## 6308      6309      6310      6311      6312      6313      6314
## 0.9803707 1.1830569 0.7814118 1.4070125 1.2529499 0.4899969 0.8629945
## 6315      6316      6317      6318      6319      6320      6321
## 1.4530446 0.6616883 2.1366611 1.7228296 1.9675998 0.7220206 0.8487678
## 6322      6323      6324      6325      6326      6327      6328
## 1.0157764 1.4671703 0.5419078 0.5440583 0.6141799 1.4692875 1.9283798
## 6329      6330      6331      6332      6333      6334      6335
## 0.6974412 2.0962975 2.5048612 1.4057215 0.7689069 1.1250331 0.4523899
## 6336      6337      6338      6339      6340      6341      6342
## 1.4129224 1.4603638 0.6330474 0.5555605 0.6463747 1.3171208 1.4192252
## 6343      6344      6345      6346      6347      6348      6349
## 1.9917501 1.1612131 0.6482547 0.3789147 0.7124732 0.7085499 1.1331803
## 6350      6351      6352      6353      6354      6355      6356
## 0.4476254 0.4012643 0.7963613 1.4714520 1.5161148 2.7320847 0.6466383
## 6357      6358      6359      6360      6361      6362      6363
## 2.2932631 2.2932631 2.2932631 2.2932631 1.2301251 2.2932631 2.2932631
## 6364      6365      6366      6367      6368      6369      6370
## 1.4979168 2.2932631 1.6131995 2.2932631 0.5823992 1.9458488 2.2932631
## 6371      6372      6373      6374      6375      6376      6377
## 2.2932631 1.8728861 0.4290545 1.2278261 1.2278261 1.2278261 1.2278261
## 6378      6379      6380      6381      6382      6383      6384
## 0.7032928 1.8241329 1.2278261 1.2278261 0.6325112 1.2278261 0.7593090
## 6385      6386      6387      6388      6389      6390      6391
## 1.2278261 0.6303808 0.7314791 1.2278261 2.1926901 1.5890730 1.2278261
## 6392      6393      6394      6395      6396      6397      6398
## 0.7067418 0.4834499 0.4834499 0.4834499 0.4834499 0.4524705 0.9885276
## 6399      6400      6401      6402      6403      6404      6405
## 0.4834499 0.4834499 0.3992112 0.4834499 0.5064612 0.4834499 1.6715844
## 6406      6407      6408      6409      6410      6411      6412
## 2.4142614 0.4834499 1.5493305 0.8559429 0.4834499 0.5565758 1.2731059
## 6413      6414      6415      6416      6417      6418      6419
## 0.6069890 0.3047328 0.7345336 1.2449426 1.7230213 0.6922337 0.5118106
## 6420      6421      6422      6423      6424      6425      6426
## 0.6623694 0.2679673 0.5636529 0.7246559 1.2513732 0.5886093 0.2914783
## 6427      6428      6429      6430      6431      6432      6433
## 1.2951054 1.2964711 2.0086941 1.3370995 1.4702634 0.4813671 0.9539109
## 6434      6435      6436      6437      6438      6439      6440
## 1.2950780 0.5283832 0.7064301 0.3632992 0.5308158 1.1638581 0.3739188
## 6441      6442      6443      6444      6445      6446      6447

## 0.5770708 0.6786000 1.5889261 1.7837690 1.8483881 1.6494483 0.7361043
## 6448      6449      6450      6451      6452      6453      6454
## 0.9450289 1.5231184 1.3365679 0.4670625 0.5100529 1.3285473 1.3838952
## 6455      6456      6457      6458      6459      6460      6461

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## 1.1681362 2.4203029 0.7299914 1.5381611 1.6114145 1.6433938 0.4072347
## 6462 6463 6464 6465 6466 6467 6468
## 0.8008102 0.7519160 0.6658619 0.7312659 0.6487419 2.0909530 1.5673331
## 6469 6470 6471 6472 6473 6474 6475
## 2.2831726 0.7004796 1.6779108 1.6071491 1.7881284 0.6687918 0.6517763
## 6476 6477 6478 6479 6480 6481 6482
## 1.5291494 1.2668106 0.3795903 1.5426704 0.8101100 1.5542811 2.3907937
## 6483 6484 6485 6486 6487 6488 6489
## 2.0162403 1.6621859 1.3330496 0.9923396 1.4265832 1.7124100 1.4819414
## 6490 6491 6492 6493 6494 6495 6496
## 2.5459425 0.7311358 0.5281647 0.4163313 0.5475179 1.4780152 2.2863588
## 6497 6498 6499 6500 6501 6502 6503
## 0.7516473 0.7386743 1.4451509 1.1618808 0.4453038 2.0723423 0.4061822
## 6504 6505 6506 6507 6508 6509 6510
## 0.6085339 1.4289596 0.5515163 0.5700701 0.8771235 0.5368803 2.0232960
## 6511 6512 6513 6514 6515 6516 6517
## 1.3715420 1.8722971 0.6023754 0.5838666 0.6548692 1.7026619 0.8249448
## 6518 6519 6520 6521 6522 6523 6524
## 1.2679379 1.1957789 1.1349752 2.0495687 2.2268429 1.7068995 2.4981716
## 6525 6526 6527 6528 6529 6530 6531
## 1.5098898 1.1241352 1.6670126 2.3569468 0.9222341 0.8758705 1.5184850
## 6532 6533 6534 6535 6536 6537 6538
## 1.0752502 1.8293462 0.3970570 0.5817470 2.4873155 0.8186545 0.4313478
## 6539 6540 6541 6542 6543 6544 6545
## 1.3353293 0.4248583 1.8965877 0.5984976 2.0002744 1.4602462 0.6433459
## 6546 6547 6548 6549 6550 6551 6552
## 0.4963884 1.1415626 0.4946124 1.3582316 1.1611248 0.6742019 1.6255258
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## 0.2722263 1.1901131 1.4025882 0.8175491 0.5142947 0.4283413 1.4521124
## 6560 6561 6562 6563 6564 6565 6566
## 1.3112067 1.6232079 0.4966086 1.7601300 0.4929561 0.7234076 0.2751910
## 6567 6568 6569 6570 6571 6572 6573
## 0.7077201 0.6293866 0.3595266 0.7311482 1.3401842 0.3478339 0.7869385
## 6574 6575 6576 6577 6578 6579 6580
## 0.6111751 0.6142778 1.1010015 0.6550101 2.0512828 2.7134977 1.5170498
## 6581 6582 6583 6584 6585 6586 6587
## 1.9071840 0.6956009 1.4755605 0.4831643 1.4856978 1.5069352 0.4639633
## 6588 6589 6590 6591 6592 6593 6594
## 1.2680944 0.3365594 2.3812045 1.1322489 0.5901624 1.9200721 1.6171490
## 6595 6596 6597 6598 6599 6600 6601
## 2.2655572 0.8984645 1.3901111 0.7077716 0.7557634 1.4364191 0.5814762
## 6602 6603 6604 6605 6606 6607 6608
## 1.5073296 2.3836837 2.1063979 1.6709389 1.9767953 1.5421880 2.5384531
## 6609 6610 6611 6612 6613 6614 6615
## 0.8150562 1.1476419 1.0633177 0.9211601 2.3454391 1.2167584 0.9757956
## 6616 6617 6618 6619 6620 6621 6622
## 2.0098288 2.0529186 0.4668327 0.5100802 0.5417444 2.4205592 0.4705920
## 6623 6624 6625 6626 6627 6628 6629
## 2.4945672 1.0387860 0.5109143 0.5577015 1.1313958 1.4825985 1.6690786
## 6630 6631 6632 6633 6634 6635 6636

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## 1.7744958 0.6738714 0.6381013 1.9745206 0.7933897 1.9639139 2.2365273
## 6637 6638 6639 6640 6641 6642 6643
## 0.8128843 1.5425330 0.8086655 2.1481978 0.6048550 1.9925660 0.6871134
## 6644 6645 6646 6647 6648 6649 6650
## 2.0524298 0.3652921 1.6733955 0.3571384 0.4543614 1.4478500 1.3683580
## 6651 6652 6653 6654 6655 6656 6657
## 1.1523613 1.4456113 0.5124636 1.3966094 0.2616075 0.8076717 0.3174123
## 6658 6659 6660 6661 6662 6663 6664
## 0.7512006 0.6280218 0.5743934 1.6243394 0.8101445 0.2679177 0.4964572
## 6665 6666 6667 6668 6669 6670 6671
## 0.3356580 0.5688629 0.4587995 0.8161579 0.3756421 0.6193333 0.4397172
## 6672 6673 6674 6675 6676 6677 6678
## 0.3710645 0.3271045 0.8782709 0.7514838 0.4319450 0.9703683 0.4911451
## 6679 6680 6681 6682 6683 6684 6685
## 0.4936803 0.8669679 0.5960432 0.4533900 0.6642243 0.3847294 0.3491574
## 6686 6687 6688 6689 6690 6691 6692
## 0.5278490 0.3722523 0.3508943 0.8220524 0.4801556 0.3455576 0.5337978
## 6693 6694 6695 6696 6697 6698 6699
## 0.3010884 0.2814782 0.8279152 0.4441587 0.5408578 0.7667440 0.4754703
## 6700 6701 6702 6703 6704 6705 6706
## 0.3198766 0.8189898 0.7104326 0.6560910 0.5456964 0.4890560 0.5321263
## 6707 6708 6709 6710 6711 6712 6713
## 0.4766332 0.5206199 0.5596041 0.4392808 0.7041259 0.3400092 0.3097306
## 6714 6715 6716 6717 6718 6719 6720
## 0.7176061 0.6517290 0.3888482 0.6022846 0.3814906 0.3410795 0.8519356
## 6721 6722 6723 6724 6725 6726 6727
## 0.4952649 0.6982039 0.3527738 0.3592088 0.2995753 0.6214014 0.5107299
## 6728 6729 6730 6731 6732 6733 6734
## 0.3739963 0.8055481 0.6666412 0.5530090 0.7595691 0.6467266 0.5894248
## 6735 6736 6737 6738 6739 6740 6741
## 0.7328373 0.4840510 0.3634917 0.5863094 0.4811759 0.6447894 0.9498817
## 6742 6743 6744 6745 6746 6747 6748
## 0.3561069 0.7911035 0.7411955 0.4601327 0.3796453 0.7510197 0.3621432
## 6749 6750 6751 6752 6753 6754 6755
## 0.3925485 0.8106722 0.8391024 0.4927679 0.7674052 0.3334030 0.3952670
## 6756 6757 6758 6759 6760 6761 6762
## 0.5830710 0.3182257 0.4098766 0.7679560 0.5445843 0.4236101 0.3804388
## 6763 6764 6765 6766 6767 6768 6769
## 0.6888302 0.4411398 0.3428157 0.8448998 0.5249459 0.4157443 0.3579236
## 6770 6771 6772 6773 6774 6775 6776
## 0.7985755 0.5829380 0.4122033 0.7771459 0.4109461 0.2996733 0.3801363
## 6777 6778 6779 6780 6781 6782 6783
## 0.4522369 0.4961911 0.8406333 0.9154281 0.5024343 0.5728872 0.8633359
## 6784 6785 6786 6787 6788 6789 6790
## 0.5351616 0.4686677 0.7649505 0.5367185 0.8120965 0.8237857 0.3822184
## 6791 6792 6793 6794 6795 6796 6797
## 0.3368837 0.7273140 0.4705022 0.3368664 0.3347832 0.8825379 0.6542533
## 6798 6799 6800 6801 6802 6803 6804
## 0.5453795 0.7876398 0.4641844 0.4544833 0.4430406 0.2972899 0.2832412
## 6805 6806 6807 6808 6809 6810 6811

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## 0.7288964 0.5621580 0.4283815 0.6603966 0.4296311 0.4041680 0.3129896
## 6812      6813      6814      6815      6816      6817      6818
## 0.6461423 0.8878444 0.4735626 0.7436758 0.5678998 0.3672962 0.4796565
## 6819      6820      6821      6822      6823      6824      6825
## 0.2703197 0.2545506 0.7358370 0.5221536 0.3972774 0.8437250 0.4455631
## 6826      6827      6828      6829      6830      6831      6832
## 0.3574069 0.5087022 0.4188172 0.3514028 0.7854052 0.3884829 0.4249672
## 6833      6834      6835      6836      6837      6838      6839
## 0.8207379 0.3570549 0.9633581 0.4447332 0.3675033 1.1081281 0.8147863
## 6840      6841      6842      6843      6844      6845      6846
## 0.4057308 0.6129787 0.4068037 0.4888085 1.0746819 0.5563606 0.3649127
## 6847      6848      6849      6850      6851      6852      6853
## 0.6597373 0.3704518 0.3229396 0.4734705 0.3498104 0.3110603 0.7686728
## 6854      6855      6856      6857      6858      6859      6860
## 0.3392235 0.3271561 0.7399298 0.3592634 0.3095254 0.6447270 0.4667536
## 6861      6862      6863      6864      6865      6866      6867
## 0.3095472 1.5460823 0.9216353 0.5960777 0.6372841 0.4056222 1.0087401
## 6868      6869      6870      6871      6872      6873      6874
## 0.3467632 0.6412179 0.6338982 0.6215237 0.9778603 0.8633029 0.9952079
## 6875      6876      6877      6878      6879      6880      6881
## 0.4187705 0.5022315 0.7096880 0.3087951 0.8410513 0.5159137 0.7582931
## 6882      6883      6884      6885      6886      6887      6888
## 0.4116779 0.4274609 0.3707915 0.2948375 0.2805192 1.1009619 0.5364429
## 6889      6890      6891      6892      6893      6894      6895
## 0.4702691 0.3227373 0.4103848 0.3095835 0.5348895 0.3843244 0.3095086
## 6896      6897      6898      6899      6900      6901      6902
## 0.8899882 1.2329631 0.6056623 0.8744648 0.3269651 0.5264582 0.7870353
## 6903      6904      6905      6906      6907      6908      6909
## 0.5264267 0.3733242 0.6131044 0.3295729 0.3384810 0.2911211 0.2875727
## 6910      6911      6912      6913      6914      6915      6916
## 0.2917116 0.7255913 0.6371614 0.3991920 1.0282895 0.6726148 0.4446864
## 6917      6918      6919      6920      6921      6922      6923
## 0.4343218 0.3773820 0.3658692 0.4914180 0.4367216 0.8428212 0.3036157
## 6924      6925      6926      6927      6928      6929      6930
## 0.4827945 0.8154534 0.8230837 0.3844054 0.3902034 0.3220820 0.3770108
## 6931      6932      6933      6934      6935      6936      6937
## 0.3631355 0.5650576 0.3446324 0.2999580 0.5139780 0.3356389 0.3124389
## 6938      6939      6940      6941      6942      6943      6944
## 0.5570911 0.4060585 0.4878824 0.5394703 0.2893455 0.2554730 0.3685760
## 6945      6946      6947      6948      6949      6950      6951
## 0.3818456 0.3007320 0.3476477 0.2944944 0.5994408 0.2825871 0.4716691
## 6952      6953      6954      6955      6956      6957      6958
## 0.2853487 0.6484481 0.4001893 0.3211051 0.9696230 0.4674851 0.4662025
## 6959      6960      6961      6962      6963      6964      6965
## 0.8056802 0.4338936 0.6682580 0.4309737 0.6902093 0.5070805 0.4094461
## 6966      6967      6968      6969      6970      6971      6972

## 0.3255230 0.2915667 0.5643611 0.9883006 0.3291453 0.4857559 0.2912317
## 6973      6974      6975      6976      6977      6978      6979
## 0.4152979 0.9516745 0.5070814 0.4263334 0.7487043 0.3822902 0.3949877
## 6980      6981      6982      6983      6984      6985      6986

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## 0.4171907 0.5900866 0.3017334 0.3240322 0.3147840 0.2576962 0.5982513
## 6987 6988 6989 6990 6991 6992 6993
## 0.3082748 0.2677038 0.6141667 0.8590936 0.3561773 0.4376483 0.3232353
## 6994 6995 6996 6997 6998 6999 7000
## 0.3463171 0.5647233 0.4984278 0.5439345 0.6324075 0.7227045 0.4057696
## 7001 7002 7003 7004 7005 7006 7007
## 0.7270301 0.4219782 0.3063851 0.4509538 0.2915396 0.3336281 0.4920308
## 7008 7009 7010 7011 7012 7013 7014
## 0.3732442 0.3558817 0.4852404 0.3001152 1.1104589 0.2679783 0.6325407
## 7015 7016 7017 7018 7019 7020 7021
## 0.4848990 0.8076762 0.3727765 0.4343251 0.6251392 0.3721697 0.3300210
## 7022 7023 7024 7025 7026 7027 7028
## 0.5852329 0.3485243 0.3033576 0.7358293 0.4327815 0.3191020 0.5142735
## 7029 7030 7031 7032 7033 7034 7035
## 0.3805147 0.4311046 0.4206642 0.2878504 0.2836303 0.5879130 0.3878833
## 7036 7037 7038 7039 7040 7041 7042
## 0.3412818 0.7279474 0.4238857 0.5102607 0.4651082 0.3447874 0.3031479
## 7043 7044 7045 7046 7047 7048 7049
## 0.4809930 0.3263977 0.3075139 0.4128312 0.3052128 0.3152936 0.8117556
## 7050 7051 7052 7053 7054 7055 7056
## 0.4645326 0.3420060 0.5662244 0.4924787 0.4081258 0.6787465 0.3943421
## 7057 7058 7059 7060 7061 7062 7063
## 0.3452549 0.8361241 0.4551431 0.4660369 0.3795522 0.8525404 0.3534283
## 7064 7065 7066 7067 7068 7069 7070
## 0.5586952 0.3004638 0.4453959 0.5015125 0.3512096 0.6532972 0.3288769
## 7071 7072 7073 7074 7075 7076 7077
## 0.7731870 0.7197274 0.6627760 0.4600844 0.3167845 0.6554851 0.4414928
## 7078 7079 7080 7081 7082 7083 7084
## 0.5957021 0.3048854 0.4202321 0.2628386 0.6278451 0.3444638 0.2884509
## 7085 7086 7087 7088 7089 7090 7091
## 0.5389488 0.3934270 0.3185270 0.3276540 0.2838605 0.2747807 0.3630974
## 7092 7093 7094 7095 7096 7097 7098
## 0.3362758 0.5209825 0.3269741 0.3116186 0.2994737 0.8997364 0.4505325
## 7099 7100 7101 7102 7103 7104 7105
## 0.3896160 0.5490830 0.4669673 0.4162420 0.6405953 0.4294980 0.3110576
## 7106 7107 7108 7109 7110 7111 7112
## 0.4439546 0.4167825 0.2867411 0.5640581 0.5102870 0.3459550 0.5025689
## 7113 7114 7115 7116 7117 7118 7119
## 0.4305808 0.7183501 0.8725387 0.4237735 0.7678999 0.3911610 0.4099582
## 7120 7121 7122 7123 7124 7125 7126
## 0.3356599 0.5081590 0.4338234 0.4119088 0.8541918 0.4777072 0.6794242
## 7127 7128 7129 7130 7131 7132 7133
## 0.5815387 0.7823571 0.7591641 0.6295636 0.8972054 0.4340623 0.7160147
## 7134 7135 7136 7137 7138 7139 7140
## 0.3404353 0.4896966 1.6318376 0.9226288 0.7388443 0.4458906 0.3015083
## 7141 7142 7143 7144 7145 7146 7147
## 0.2885897 0.5725318 0.4342159 0.4962744 0.2874381 0.6542929 0.6968426
## 7148 7149 7150 7151 7152 7153 7154
## 0.3716542 0.5144597 0.2832496 0.3738565 0.2564956 1.1892273 0.3637643
## 7155 7156 7157 7158 7159 7160 7161

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## 0.9579186 0.7866958 0.6756695 0.4049964 0.3760908 0.8547881 0.6407139
## 7162 7163 7164 7165 7166 7167 7168
## 0.3648975 0.6664183 0.2988371 0.2809582 0.9957247 0.8217626 0.5486380
## 7169 7170 7171 7172 7173 7174 7175
## 0.5115000 0.5021531 0.3349442 1.4207671 0.4918107 0.9870062 0.6163008
## 7176 7177 7178 7179 7180 7181 7182
## 1.2637086 0.3203097 0.4114064 0.7468317 0.6813978 0.2889765 0.3479854
## 7183 7184 7185 7186 7187 7188 7189
## 1.1719678 1.7435435 0.4159871 0.4591618 0.8188030 0.3539879 0.3683182
## 7190 7191 7192 7193 7194 7195 7196
## 0.4125350 0.2666960 0.2632404 0.6298181 0.5879946 0.3741465 0.5371166
## 7197 7198 7199 7200 7201 7202 7203
## 0.3251352 1.6820638 0.2803582 0.7961258 0.5267962 0.2858822 0.9532951
## 7204 7205 7206 7207 7208 7209 7210
## 1.4624170 0.3759896 0.3761699 0.8212958 0.5539702 0.4056341 0.6909088
## 7211 7212 7213 7214 7215 7216 7217
## 0.8654635 0.7740980 0.9147334 0.5012956 0.8748367 0.7452024 0.5881790
## 7218 7219 7220 7221 7222 7223 7224
## 0.7662007 0.3831310 0.6971658 0.3785955 0.3273811 0.6184409 0.6729636
## 7225 7226 7227 7228 7229 7230 7231
## 0.8445053 0.5580708 0.3201665 0.3411133 0.4419506 0.5731528 0.5008401
## 7232 7233 7234 7235 7236 7237 7238
## 0.5656792 0.3929661 0.5192726 0.4804132 0.8071237 0.8071237 0.2792901
## 7239 7240 7241 7242 7243 7244 7245
## 0.3598668 0.4938460 0.6803494 0.4938460 0.7574178 0.4731812 0.7574178
## 7246 7247 7248 7249 7250 7251 7252
## 0.3694963 0.4691385 0.4145312 0.2856341 0.3162078 0.8253251 0.2862023
## 7253 7254 7255 7256 7257 7258 7259
## 0.5806808 0.5537823 0.3969119 0.8066956 0.3774941 0.6541740 0.7879092
## 7260 7261 7262 7263 7264 7265 7266
## 0.3038823 0.3269791 0.6298908 0.2994998 0.3256527 0.8774648 0.4460833
## 7267 7268 7269 7270 7271 7272 7273
## 0.6610301 0.4828156 1.0237109 0.7376221 0.8012272 0.7961700 0.5242369
## 7274 7275 7276 7277 7278 7279 7280
## 0.4308192 0.3624703 0.3612992 0.4947683 0.3453797 0.5355034 0.7715696
## 7281 7282 7283 7284 7285 7286 7287
## 0.4614672 0.4461561 0.5599785 0.4140189 0.3928029 0.5548809 0.8303366
## 7288 7289 7290 7291 7292 7293 7294
## 0.4505270 0.8437172 0.3295260 0.7699312 0.4181804 0.2736638 0.2551676
## 7295 7296 7297 7298 7299 7300 7301
## 0.3709576 0.6790645 0.3855768 0.3294590 0.7054261 0.5167063 0.4422612
## 7302 7303 7304 7305 7306 7307 7308
## 0.9496104 0.9402754 0.8197892 0.9607192 0.6574587 0.5307889 0.4173988
## 7309 7310 7311 7312 7313 7314 7315
## 0.4475673 0.7257408 0.4533688 0.5024355 0.5817831 0.9198668 0.6485207
## 7316 7317 7318 7319 7320 7321 7322
## 0.5451260 0.5203182 0.4248626 0.3387000 0.7482854 0.9105913 0.6472455
## 7323 7324 7325 7326 7327 7328 7329
## 0.5361666 0.4158941 0.9400685 0.4116248 0.9530754 0.4527672 0.7655080
## 7330 7331 7332 7333 7334 7335 7336

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## 0.8048601 0.4643632 0.4832759 0.4801902 0.4462854 0.7433259 0.4763253
## 7337      7338      7339      7340      7341      7342      7343
## 0.5196835 0.5642176 0.4346944 0.3894047 0.9460184 0.9955111 0.9081567
## 7344      7345      7346      7347      7348      7349      7350
## 0.4646748 0.4912917 0.7028936 0.5865429 0.4150419 0.4872060 0.8418353
## 7351      7352      7353      7354      7355      7356      7357
## 0.3380231 0.4655756 0.8686394 0.6401161 0.3333754 0.5189639 0.4438163
## 7358      7359      7360      7361      7362      7363      7364
## 0.3892817 0.5553997 0.4384147 0.3214977 0.7162708 0.4667320 0.3141999
## 7365      7366      7367      7368      7369      7370      7371
## 0.4442428 0.3915633 0.3540535 0.4215072 0.3537943 0.3420509 0.3593105
## 7372      7373      7374      7375      7376      7377      7378
## 0.3031845 0.3136342 0.5905584 0.5661537 0.4468667 0.3371225 0.4102783
## 7379      7380      7381      7382      7383      7384      7385
## 0.5228246 0.8762764 0.5268436 0.5175265 0.5195321 0.4508383 0.7965668
## 7386      7387      7388      7389      7390      7391      7392
## 0.4080519 0.7176768 0.4223222 0.4995918 0.3611297 0.3400608 0.5128312
## 7393      7394      7395      7396      7397      7398      7399
## 0.3704305 0.3190939 0.9239692 0.9097818 1.0583175 0.9216962 0.7293680
## 7400      7401      7402      7403      7404      7405      7406
## 0.4377207 0.4950652 0.3614957 0.3213817 0.5227517 0.3862607 0.3266086
## 7407      7408      7409      7410      7411      7412      7413
## 0.8035315 0.4567620 0.8263507 0.3681549 0.6130904 0.4225119 0.5365424
## 7414      7415      7416      7417      7418      7419      7420
## 0.3972041 0.3582183 0.6452673 0.6743274 0.5361176 0.4735184 0.6610056
## 7421      7422      7423      7424      7425      7426      7427
## 0.6939683 0.4038873 0.5626469 0.5657328 0.3697530 0.6305284 0.6362161
## 7428      7429      7430      7431      7432      7433      7434
## 0.5299093 0.5075844 0.4928176 0.6948354 1.0225152 0.5350596 0.5172723
## 7435      7436      7437      7438      7439      7440      7441
## 0.5080150 0.3125864 0.3240825 0.7656967 0.2912251 0.2955107 0.4366434
## 7442      7443      7444      7445      7446      7447      7448
## 0.3885901 0.8142612 0.4870020 0.4764461 0.3478369 0.4675292 0.3460462
## 7449      7450      7451      7452      7453      7454      7455
## 0.6638909 0.5302743 0.4544553 0.5493649 0.3980423 0.3399052 0.3063477
## 7456      7457      7458      7459      7460      7461      7462
## 0.2997980 0.4251553 0.8679801 0.9174483 0.4019707 0.4712660 0.3198100
## 7463      7464      7465      7466      7467      7468      7469
## 0.3014442 0.6851239 0.5386693 0.5571978 0.6513748 0.8745663 0.3886605
## 7470      7471      7472      7473      7474      7475      7476
## 0.4744786 0.3625491 0.4210885 0.8284602 0.9918629 0.4480492 0.4928835
## 7477      7478      7479      7480      7481      7482      7483
## 0.8222079 0.3553368 0.7946510 0.7607251 0.3057280 0.7066661 0.4268372
## 7484      7485      7486      7487      7488      7489      7490
## 0.4128413 0.3633737 0.3429235 0.3251529 0.5691870 0.3940728 0.5539230
## 7491      7492      7493      7494      7495      7496      7497

## 0.3402288 0.4197267 0.3345045 0.7704126 0.5748812 0.5148508 0.8218672
## 7498      7499      7500      7501      7502      7503      7504
## 0.9270238 0.4521298 0.5341612 0.3546953 0.3120823 0.5245552 0.3416362
## 7505      7506      7507      7508      7509      7510      7511

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```

## 0.2993125 1.1185085 0.5493806 0.4397491 0.5194706 0.3904457 0.3608079
## 7512    7513    7514    7515    7516    7517    7518
## 0.5740732 0.4306364 0.4019969 0.6378243 0.4098399 0.5067272 0.6569464
## 7519    7520    7521    7522    7523    7524    7525
## 0.3622429 0.3410216 0.6410122 0.4224881 0.3764697 0.9161949 0.7482470
## 7526    7527    7528    7529    7530    7531    7532
## 0.7104776 0.5447342 0.3574492 0.4405584 0.8256644 0.6599775 0.5957093
## 7533    7534    7535    7536    7537    7538    7539
## 0.6379242 0.5220229 0.3829355 0.8561920 0.4206574 0.3872021 0.4987350
## 7540    7541    7542    7543    7544    7545    7546
## 1.1106755 0.5206971 0.6759512 0.4168588 0.5117984 0.6573694 0.4615459
## 7547    7548    7549    7550    7551    7552    7553
## 1.2809701 0.8239897 0.3226973 0.9165919 0.5001599 0.6144311 0.3808280
## 7554    7555    7556    7557    7558    7559    7560
## 0.6576446 0.9457385 0.7543130 0.4825696 0.9271820 0.5253629 0.4978686
## 7561    7562    7563    7564    7565    7566    7567
## 0.3111325 0.4125791 0.9615130 0.7694198 0.7877051 0.6711268 0.4908564
## 7568    7569    7570    7571    7572    7573    7574
## 0.3202383 0.6670221 0.3265408 0.3268968 0.7617524 0.4913676 0.3219069
## 7575    7576    7577    7578    7579    7580    7581
## 0.9726145 0.6786460 0.4797971 0.9099538 0.8437037 0.9003597 0.5921188
## 7582    7583    7584    7585    7586    7587    7588
## 0.5297193 0.4399695 0.7019154 0.5416609 0.4632530 0.8290130 0.6393468
## 7589    7590    7591    7592    7593    7594    7595
## 0.4875331 0.6839144 0.3853830 0.4336429 0.4176562 0.3343252 0.2872275
## 7596    7597    7598    7599    7600    7601    7602
## 0.2970524 0.7440059 0.3200376 0.9094500 0.2785765 0.5164043 0.2969333
## 7603    7604    7605    7606    7607    7608    7609
## 0.4912198 0.6885927 0.4249389 0.3987310 0.8397216 0.9678664 0.7036924
## 7610    7611    7612    7613    7614    7615    7616
## 0.4696766 0.4989389 0.3845297 0.6757291 0.4286530 0.3780311 0.8782365
## 7617    7618    7619    7620    7621    7622    7623
## 0.4877708 0.3508404 0.7871560 0.6441602 0.7781368 0.8549949 0.5391949
## 7624    7625    7626    7627    7628    7629    7630
## 0.4836586 0.6882002 0.5540046 0.4340359 0.6264303 0.5027734 0.3406107
## 7631    7632    7633    7634    7635    7636    7637
## 1.1983169 0.7193226 0.4675162 0.7904895 0.3373459 0.2984021 0.9106151
## 7638    7639    7640    7641    7642    7643    7644
## 0.5905857 0.5204216 0.8384796 0.9588218 0.5194398 0.3783799 0.4139189
## 7645    7646    7647    7648    7649    7650    7651
## 0.5275132 0.8790601 1.0792168 0.4460226 0.3016509 0.9762890 0.6423030
## 7652    7653    7654    7655    7656    7657    7658
## 0.4152174 0.8938879 0.7773604 0.5973189 0.4496842 0.4688997 0.4264845
## 7659    7660    7661    7662    7663    7664    7665
## 0.6182143 0.6227868 0.4620028 0.5583806 0.5354592 0.3564473 0.5569507
## 7666    7667    7668    7669    7670    7671    7672
## 0.4027119 0.9007841 0.3866778 0.5007467 0.8761314 0.3946065 0.5386225
## 7673    7674    7675    7676    7677    7678    7679
## 0.4401841 0.6417530 0.4547908 0.3646304 0.7559478 0.5355508 0.2938924
## 7680    7681    7682    7683    7684    7685    7686

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```

## 0.8008814 0.4730882 0.3549121 0.6685077 0.3867491 0.3594767 0.5214972
## 7687 7688 7689 7690 7691 7692 7693
## 0.5639479 0.3699962 0.8164324 0.4762708 0.4108040 0.7301753 0.5471822
## 7694 7695 7696 7697 7698 7699 7700
## 0.3620253 0.5312364 0.9364713 0.3628692 0.5035966 0.3375458 0.5824173
## 7701 7702 7703 7704 7705 7706 7707
## 0.5986114 0.3770347 0.3956810 0.8693813 0.6117923 0.3784493 0.7198432
## 7708 7709 7710 7711 7712 7713 7714
## 0.4957523 0.6068287 0.3534394 0.4435949 1.0331262 0.2928777 0.6909892
## 7715 7716 7717 7718 7719 7720 7721
## 0.5052357 0.9906939 0.4747895 0.3517554 0.9933408 0.8484355 1.2217557
## 7722 7723 7724 7725 7726 7727 7728
## 0.8887139 0.5668169 0.3652469 0.5454475 0.8572883 0.3578427 0.5347945
## 7729 7730 7731 7732 7733 7734 7735
## 0.3204658 0.3841129 0.8578221 0.5707744 0.5206728 0.3703037 0.3295673
## 7736 7737 7738 7739 7740 7741 7742
## 0.3601482 0.3591165 0.3993956 0.3032842 0.4539319 0.3140445 0.2785349
## 7743 7744 7745 7746 7747 7748 7749
## 0.5862099 0.8724472 0.5174209 0.4199485 1.0998830 0.6219386 0.7152574
## 7750 7751 7752 7753 7754 7755 7756
## 1.0426493 0.3867026 0.6214478 0.6412844 0.8843383 0.8847206 0.4636870
## 7757 7758 7759 7760 7761 7762 7763
## 0.3495197 0.4535713 0.4798100 0.5737942 0.3271001 0.4154904 0.7591458
## 7764 7765 7766 7767 7768 7769 7770
## 1.6501220 0.5271651 1.0776349 0.7596945 1.0196808 0.8700071 0.6405696
## 7771 7772 7773 7774 7775 7776 7777
## 1.0699135 1.0078034 0.3440216 0.5544558 0.2744679 0.4630116 0.8824126
## 7778 7779 7780 7781 7782 7783 7784
## 1.2854965 0.4091509 1.0145330 0.9073587 0.4251574 0.8580263 0.5332802
## 7785 7786 7787 7788 7789 7790 7791
## 0.4325166 0.8905027 0.4718753 0.4412748 0.6426152 0.7154644 0.8333264
## 7792 7793 7794 7795 7796 7797 7798
## 0.3984634 0.8418493 0.4479591 0.8754999 0.9074012 0.6393712 0.7348508
## 7799 7800 7801 7802 7803 7804 7805
## 0.4288777 0.4266175 0.8318056 0.4062431 1.3016625 0.3576092 0.8744277
## 7806 7807 7808 7809 7810 7811 7812
## 0.4530086 0.9060686 0.7867112 1.2346807 0.8537946 1.1086754 0.4791911
## 7813 7814 7815 7816 7817 7818 7819
## 1.0918022 0.8581308 0.3292791 1.0079172 1.0703967 0.5946022 0.7919900
## 7820 7821 7822 7823 7824 7825 7826
## 0.3391980 0.6852114 1.4524891 0.6523475 0.8498361 0.5136437 0.4827361
## 7827 7828 7829 7830 7831 7832 7833
## 0.8539121 0.7416235 0.4384458 0.3732546 1.0028175 0.5171184 0.6605183
## 7834 7835 7836 7837 7838 7839 7840
## 0.8709223 0.4211059 0.4364591 0.4705703 1.0662981 0.3635061 0.3553307
## 7841 7842 7843 7844 7845 7846 7847
## 0.8581267 0.9698668 0.4019736 1.2367661 0.5685535 0.8330884 0.4199761
## 7848 7849 7850 7851 7852 7853 7854
## 1.5113631 1.1249692 0.5567108 0.8649576 0.7426902 0.4508128 0.4543923
## 7855 7856 7857 7858 7859 7860 7861

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## 1.1560596 0.8583602 0.5620318 0.9223751 1.0208279 0.5510439 0.8817166
## 7862      7863      7864      7865      7866      7867      7868
## 0.3295746 0.4218322 0.4329450 0.7326900 0.7690666 0.7690666 0.4381970
## 7869      7870      7871      7872      7873      7874      7875
## 0.6222028 0.6222028 0.5208513 0.5208513 0.9726570 1.2760280 0.6044452
## 7876      7877      7878      7879      7880      7881      7882
## 1.0085906 0.6765433 0.9167124 0.8085995 0.4504032 0.9048014 0.3397515
## 7883      7884      7885      7886      7887      7888      7889
## 0.9671317 1.0619672 0.5089086 0.9232987 0.4827674 0.6605183 0.4645303
## 7890      7891      7892      7893      7894      7895      7896
## 0.3643358 0.8827643 1.1748965 0.4364552 0.9696514 1.2322835 0.6251687
## 7897      7898      7899      7900      7901      7902      7903
## 0.3267800 1.1150031 0.8397977 0.4327202 0.8116967 0.7628403 0.3655382
## 7904      7905      7906      7907      7908      7909      7910
## 0.8218889 0.8252183 2.0599675 0.8570173 0.8470895 0.5301272 0.5995893
## 7911      7912      7913      7914      7915      7916      7917
## 0.9173304 0.3384797 0.8205021 1.1396295 0.8077421 0.5770099 0.6371109
## 7918      7919      7920      7921      7922      7923      7924
## 0.8613758 0.4101391 0.4879575 0.4571719 0.3984507 0.7339615 0.4910207
## 7925      7926      7927      7928      7929      7930      7931
## 0.4357960 0.4085247 0.2934244 0.3552673 0.9683143 0.3817524 0.5279509
## 7932      7933      7934      7935      7936      7937      7938
## 0.6540684 0.3889551 0.9209982 0.6426499 0.2967102 0.4748576 0.4052717
## 7939      7940      7941      7942      7943      7944      7945
## 0.8015580 0.6463363 0.7980670 0.9717382 0.3835333 0.3729762 0.8313030
## 7946      7947      7948      7949      7950      7951      7952
## 0.3108331 0.7786838 0.4143753 0.4165535 0.3988766 0.4674495 0.7953386
## 7953      7954      7955      7956      7957      7958      7959
## 0.3174708 0.5096015 0.2917276 1.0526461 0.3051320 0.5432480 0.8997457
## 7960      7961      7962      7963      7964      7965      7966
## 0.5421686 0.3519507 1.0300791 0.7778136 0.2720326 0.5278077 0.6717494
## 7967      7968      7969      7970      7971      7972      7973
## 0.7904462 0.9049528 0.6666127 0.4128846 0.6967282 0.6085119 0.4273241
## 7974      7975      7976      7977      7978      7979      7980
## 0.8723348 0.3810728 0.5896640 0.7718480 0.4271353 0.5373331 0.3900932
## 7981      7982      7983      7984      7985      7986      7987
## 0.4207828 0.3354467 0.6955506 0.3598748 0.3783938 0.4209434 0.7826379
## 7988      7989      7990      7991      7992      7993      7994
## 1.0185525 0.4256784 0.6502092 0.7154503 0.3268719 1.1890706 0.7175852
## 7995      7996      7997      7998      7999      8000      8001
## 0.4812417 0.6440953 0.8629234 0.7103179 0.4429863 0.4767063 0.3466429
## 8002      8003      8004      8005      8006      8007      8008
## 1.3390146 0.5387851 0.5294900 0.4774858 0.4702919 1.0093750 0.3366124
## 8009      8010      8011      8012      8013      8014      8015
## 0.8473562 1.0433775 0.7824938 0.5591584 0.3798658 1.1302858 0.8150031
## 8016      8017      8018      8019      8020      8021      8022

## 0.4129975 0.6440953 0.6069279 0.4522924 0.3556552 0.3351344 0.2707928
## 8023      8024      8025      8026      8027      8028      8029
## 0.5175123 0.3572883 0.7904173 1.2296408 0.4102240 0.4192543 0.8991867
## 8030      8031      8032      8033      8034      8035      8036

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## 0.4611390 0.3427613 0.5250796 0.8508649 0.6666127 0.7676201 0.3332801
## 8037 8038 8039 8040 8041 8042 8043
## 0.7897810 0.4333067 0.6567759 0.4096509 0.3111699 0.4277432 0.4267801
## 8044 8045 8046 8047 8048 8049 8050
## 1.2782388 0.8566239 0.9144013 0.8344573 0.5868277 0.5029029 1.0455073
## 8051 8052 8053 8054 8055 8056 8057
## 0.6873698 0.8917475 0.4136261 0.7140995 0.2946593 0.8352690 0.7735251
## 8058 8059 8060 8061 8062 8063 8064
## 0.4396111 0.6443281 0.5578026 0.3256848 0.4252443 0.4076127 0.3544767
## 8065 8066 8067 8068 8069 8070 8071
## 0.8458661 0.6812537 0.5363224 0.3818530 0.3769722 0.4088977 0.2972872
## 8072 8073 8074 8075 8076 8077 8078
## 0.3020293 0.2753676 0.6666127 0.4333067 0.7628050 0.5437079 0.3894831
## 8079 8080 8081 8082 8083 8084 8085
## 0.4954495 0.3475268 0.3432481 0.3186606 0.7496461 0.4037624 0.6782338
## 8086 8087 8088 8089 8090 8091 8092
## 0.4276351 0.3923131 0.7775361 0.3141270 0.6443281 0.5565900 0.4252443
## 8093 8094 8095 8096 8097 8098 8099
## 0.3322681 0.3544767 0.8764882 0.4492370 1.1956435 0.9540742 0.4157184
## 8100 8101 8102 8103 8104 8105 8106
## 0.5600461 0.5545739 0.4655835 0.4157656 0.9506584 0.4901793 0.3628613
## 8107 8108 8109 8110 8111 8112 8113
## 1.1350587 0.6988050 1.8940051 0.4848644 0.9085167 0.8525439 0.5741151
## 8114 8115 8116 8117 8118 8119 8120
## 0.4045583 0.2911673 0.5670445 0.8750262 0.4629095 0.5490213 0.2936341
## 8121 8122 8123 8124 8125 8126 8127
## 0.4150780 0.5847404 0.3795525 0.4708519 0.3656211 0.6762653 0.2925357
## 8128 8129 8130 8131 8132 8133 8134
## 0.2924290 0.8481906 0.4126759 0.9514709 0.9514709 0.4915586 0.2840129
## 8135 8136 8137 8138 8139 8140 8141
## 0.4338915 0.4338915 0.4871099 0.3440096 0.3440096 0.5389051 0.9017872
## 8142 8143 8144 8145 8146 8147 8148
## 0.4958383 0.7328917 0.3127451 0.4162019 0.8129617 0.4192222 0.2831234
## 8149 8150 8151 8152 8153 8154 8155
## 1.0112238 0.6897892 0.9459801 0.7390220 0.4151537 0.4193382 1.0110026
## 8156 8157 8158 8159 8160 8161 8162
## 0.3795935 0.3157400 0.3448158 0.7209709 0.7992776 0.4529514 0.4239040
## 8163 8164 8165 8166 8167 8168 8169
## 0.3259032 0.8015580 0.9031952 0.6680939 0.5071463 0.7142661 0.3364584
## 8170 8171 8172 8173 8174 8175 8176
## 0.9337123 0.7763819 0.5476299 0.6516455 0.7691588 0.8167338 1.0678407
## 8177 8178 8179 8180 8181 8182 8183
## 1.0079172 0.7755570 0.5679333 0.4401667 0.6385927 0.4962182 0.6133348
## 8184 8185 8186 8187 8188 8189 8190
## 0.4085165 0.5213844 0.3266807 0.3830164 1.0638543 0.9212973 0.4494580
## 8191 8192 8193 8194 8195 8196 8197
## 0.9428947 0.9675886 0.8040343 0.4818734 0.7287468 0.4311756 0.5510027
## 8198 8199 8200 8201 8202 8203 8204
## 0.4332257 0.2990053 0.8571970 0.4538939 1.6331995 0.3308640 0.9241680
## 8205 8206 8207 8208 8209 8210 8211

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## 0.9408478 0.7913576 0.6030637 0.8379605 0.3883097 0.5466785 0.3824739
## 8212 8213 8214 8215 8216 8217 8218
## 0.8242428 0.5414457 0.3739731 0.8741457 0.4347109 0.3326310 1.3643684
## 8219 8220 8221 8222 8223 8224 8225
## 0.9453067 0.5954275 0.6782338 0.8060326 0.9214948 0.6036319 0.8376352
## 8226 8227 8228 8229 8230 8231 8232
## 0.8266171 0.8680388 0.5803640 0.6197902 0.3337954 0.3896636 0.3572910
## 8233 8234 8235 8236 8237 8238 8239
## 0.8134659 0.4031212 1.0724379 0.3533907 0.8663530 0.8499186 0.4284028
## 8240 8241 8242 8243 8244 8245 8246
## 0.4830296 0.8294112 0.4263853 0.8392487 0.8282715 0.9972987 1.0670548
## 8247 8248 8249 8250 8251 8252 8253
## 0.8305949 0.7643823 0.6577538 0.4290385 1.1415793 0.8907433 0.5117463
## 8254 8255 8256 8257 8258 8259 8260
## 0.5889409 0.3915539 0.7388596 0.8318056 0.5331965 0.5181118 0.3671373
## 8261 8262 8263 8264 8265 8266 8267
## 0.3455233 0.6146989 0.3044052 0.6105849 0.7667772 0.5743825 0.9974993
## 8268 8269 8270 8271 8272 8273 8274
## 0.3734998 0.4819753 0.4359790 0.7155742 0.3566449 0.3232586 1.2886536
## 8275 8276 8277 8278 8279 8280 8281
## 0.7171712 0.9278763 1.0934744 0.6651460 0.5889122 0.9613526 0.8745489
## 8282 8283 8284 8285 8286 8287 8288
## 0.3563330 0.4787452 0.4439861 0.3222776 0.8684790 0.3248630 0.7342604
## 8289 8290 8291 8292 8293 8294 8295
## 0.7342604 0.6600145 0.5225870 0.5225870 0.6921876 0.3816325 0.3816325
## 8296 8297 8298 8299 8300 8301 8302
## 1.0521914 0.8699431 0.4581530 0.3969222 0.3683177 0.5284441 0.6440328
## 8303 8304 8305 8306 8307 8308 8309
## 0.8587067 0.3824228 0.9436062 0.2974865 0.4727379 0.8827643 0.9359727
## 8310 8311 8312 8313 8314 8315 8316
## 0.4028462 0.4086990 0.3291970 0.7638074 0.3381725 0.5045874 1.3219698
## 8317 8318 8319 8320 8321 8322 8323
## 0.3250029 0.7822561 0.9199737 1.6756579 0.9230627 1.1184358 0.7934104
## 8324 8325 8326 8327 8328 8329 8330
## 0.8489643 0.7825675 0.3756011 0.4359154 0.4488469 1.0617238 1.2514781
## 8331 8332 8333 8334 8335 8336 8337
## 0.8986225 0.9886678 0.7830783 0.3942925 0.7067937 0.6987409 0.4235561
## 8338 8339 8340 8341 8342 8343 8344
## 0.4315829 0.3938857 1.1689978 0.3476207 0.7651206 0.7836396 0.8824126
## 8345 8346 8347 8348 8349 8350 8351
## 0.5755797 0.4196691 0.9030850 0.8188228 0.5018958 0.4594364 0.4144604
## 8352 8353 8354 8355 8356 8357 8358
## 0.3489497 0.9797908 0.5211117 0.2998323 1.1104473 0.6780681 0.5077141
## 8359 8360 8361 8362 8363 8364 8365
## 1.0216896 0.4571010 0.3392979 0.6153328 0.3267284 0.7738422 1.1399616
## 8366 8367 8368 8369 8370 8371 8372
## 0.7007318 0.5159593 0.8108921 0.4988076 0.8239513 0.9033441 0.8169544
## 8373 8374 8375 8376 8377 8378 8379
## 0.6496916 1.0140374 0.9987284 0.9821758 0.6973819 0.5120460 0.7805335
## 8380 8381 8382 8383 8384 8385 8386

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## 0.7953386 0.2917314 0.5571321 0.6429220 0.5096015 0.3922841 0.3729298
## 8387     8388     8389     8390     8391     8392     8393
## 0.3051320 0.3134331 1.2487658 0.7910368 0.9680123 0.4158059 0.8510610
## 8394     8395     8396     8397     8398     8399     8400
## 0.5689149 1.1895145 0.7876718 0.7411934 0.6053223 0.4472937 1.0304463
## 8401     8402     8403     8404     8405     8406     8407
## 0.2827940 0.7803451 0.8802279 0.5580414 0.8332787 0.3705164 0.9283644
## 8408     8409     8410     8411     8412     8413     8414
## 0.9949856 0.8605118 0.8991867 1.4737903 0.4160609 0.5677585 0.3579840
## 8415     8416     8417     8418     8419     8420     8421
## 0.5386237 0.8297357 0.8718874 0.4503861 0.9013139 0.3493897 0.5170490
## 8422     8423     8424     8425     8426     8427     8428
## 1.0438932 0.5596892 0.8333264 0.3380140 0.5857696 0.9691385 0.3547149
## 8429     8430     8431     8432     8433     8434     8435
## 0.4801227 0.3687002 1.1956435 0.8128518 0.7002708 0.8684790 0.5881703
## 8436     8437     8438     8439     8440     8441     8442
## 0.5021172 0.6031814 0.3930586 0.9560168 0.6580715 0.2934550 0.9912579
## 8443     8444     8445     8446     8447     8448     8449
## 0.4548984 0.4564036 0.4556761 0.5433806 0.3615180 0.4085247 0.3007180
## 8450     8451     8452     8453     8454     8455     8456
## 0.3552673 0.6069454 0.2928774 0.5993447 0.4383416 0.6718365 0.4333857
## 8457     8458     8459     8460     8461     8462     8463
## 0.3059397 0.4615191 1.2759022 0.3245322 0.3644580 0.8194784 0.8028293
## 8464     8465     8466     8467     8468     8469     8470
## 0.7451909 0.5057340 0.8979435 0.7328915 0.4200791 0.6453012 0.5658120
## 8471     8472     8473     8474     8475     8476     8477
## 0.4559055 0.6567759 0.3510499 0.7175631 0.5492077 0.4316174 0.4483180
## 8478     8479     8480     8481     8482     8483     8484
## 0.5459694 0.4365130 0.3678414 0.3624817 1.0664779 0.4699102 1.0330117
## 8485     8486     8487     8488     8489     8490     8491
## 0.3636979 0.6782061 0.7646139 0.3538879 0.4084389 0.8546231 0.2947558
## 8492     8493     8494     8495     8496     8497     8498
## 0.6185180 0.5846014 0.8163942 0.5194700 0.9567425 0.3797350 0.7010035
## 8499     8500     8501     8502     8503     8504     8505
## 0.9306917 0.3968992 0.4274456 0.3330687 0.9555079 0.5879551 0.7775291
## 8506     8507     8508     8509     8510     8511     8512
## 0.3929029 0.6126259 0.4540171 0.3403212 0.5294491 0.7425666 0.4224876
## 8513     8514     8515     8516     8517     8518     8519
## 0.6377257 0.8481906 0.3095171 0.6446330 0.7218667 0.9079412 0.2752127
## 8520     8521     8522     8523     8524     8525     8526
## 0.6521547 0.5117162 0.5387267 0.4428253 0.6928752 0.5394931 0.3681842
## 8527     8528     8529     8530     8531     8532     8533
## 0.7571244 0.4426830 0.6210164 0.3277584 0.7995577 0.7644646 0.8963911
## 8534     8535     8536     8537     8538     8539     8540
## 0.7156399 0.3883602 0.4580729 0.3077468 0.7474460 0.3157838 0.7054573
## 8541     8542     8543     8544     8545     8546     8547

## 0.4933620 0.4149967 0.3163659 0.8871581 0.2804506 0.9198032 0.5898229
## 8548     8549     8550     8551     8552     8553     8554
## 0.9530631 0.7856949 0.9404699 0.4052971 0.6942307 0.7740601 0.3967318
## 8555     8556     8557     8558     8559     8560     8561

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## 0.3771704 1.0126037 0.3204704 0.4584779 0.5578756 0.5373331 0.3493447
## 8562 8563 8564 8565 8566 8567 8568
## 0.5131594 0.7086868 0.3141453 0.4764916 1.2793775 0.8352690 0.8439922
## 8569 8570 8571 8572 8573 8574 8575
## 0.5735886 0.6422151 0.4093231 0.3244935 0.8692953 1.4588496 0.4180134
## 8576 8577 8578 8579 8580 8581 8582
## 0.7950902 0.9254404 0.3266286 0.5021810 0.8698429 0.7796520 0.8699431
## 8583 8584 8585 8586 8587 8588 8589
## 0.6587473 0.4958220 0.3932156 1.2832072 0.4964644 0.7772065 0.7457656
## 8590 8591 8592 8593 8594 8595 8596
## 0.7717562 0.5580153 0.5085393 0.4308931 1.1243086 0.4019134 0.3851259
## 8597 8598 8599 8600 8601 8602 8603
## 0.5992107 0.4388563 0.6873698 1.2094627 0.5650561 0.4136261 0.6860080
## 8604 8605 8606 8607 8608 8609 8610
## 0.4654749 0.3805191 0.6619939 0.2946593 0.4756991 0.3405484 0.2953436
## 8611 8612 8613 8614 8615 8616 8617
## 1.1342349 0.3795341 0.3273344 0.8207804 0.2936119 0.5398048 0.6956173
## 8618 8619 8620 8621 8622 8623 8624
## 0.7127986 0.7409609 0.9030850 0.5056800 0.7409609 0.5156512 0.4772640
## 8625 8626 8627 8628 8629 8630 8631
## 0.6114360 0.3104820 0.4556190 0.4594594 0.7913562 0.3913023 0.8824126
## 8632 8633 8634 8635 8636 8637 8638
## 0.3338610 0.9848301 0.9647209 1.1298483 0.5800290 1.0012539 0.8110696
## 8639 8640 8641 8642 8643 8644 8645
## 0.5884177 0.7512451 0.4072240 0.6151457 0.4857432 0.3482984 0.4993436
## 8646 8647 8648 8649 8650 8651 8652
## 0.3080172 0.4953893 0.4742062 0.8134659 0.8725494 0.5981136 0.4031212
## 8653 8654 8655 8656 8657 8658 8659
## 0.3957511 0.3533907 0.7207931 0.4162825 1.0475023 0.3516447 1.1618136
## 8660 8661 8662 8663 8664 8665 8666
## 0.4969975 0.2744423 0.9996851 0.3823142 0.6977893 0.9221142 1.1359091
## 8667 8668 8669 8670 8671 8672 8673
## 0.7043128 0.7803451 0.8660599 0.3659964 0.7649959 0.5971149 0.7667772
## 8674 8675 8676 8677 8678 8679 8680
## 0.3880779 0.5123412 0.7871723 0.3449223 0.4370064 0.4023047 0.4741095
## 8681 8682 8683 8684 8685 8686 8687
## 0.8615140 1.0795041 0.9890330 0.3319407 0.6883804 0.8630056 0.6566934
## 8688 8689 8690 8691 8692 8693 8694
## 0.4865562 0.4066579 1.0843392 0.3595096 0.6343464 1.2886594 0.4835194
## 8695 8696 8697 8698 8699 8700 8701
## 0.8304644 0.3089031 0.8104327 0.7409609 0.5459269 0.3899114 1.2549418
## 8702 8703 8704 8705 8706 8707 8708
## 0.8516255 0.6440953 0.7576929 0.4522924 0.3351344 0.6940837 0.4629520
## 8709 8710 8711 8712 8713 8714 8715
## 0.3325052 0.8930853 0.4798301 0.3107161 0.3287338 0.9051028 1.2168053
## 8716 8717 8718 8719 8720 8721 8722
## 0.8107129 0.6440953 0.5806442 0.4328538 0.7186996 0.5238224 0.4095594
## 8723 8724 8725 8726 8727 8728 8729
## 1.4928003 0.7662799 0.7386555 0.5113693 0.6429220 0.5694105 0.6218729
## 8730 8731 8732 8733 8734 8735 8736

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## 0.4252215 0.4555772 0.4551367 0.8590406 0.3078202 1.0293769 0.2961176
## 8737 8738 8739 8740 8741 8742 8743
## 0.6823900 0.4340526 0.4242466 0.2943945 0.6756861 0.7633874 0.7005070
## 8744 8745 8746 8747 8748 8749 8750
## 0.4662776 0.5127057 0.9459801 0.9200501 0.3617399 0.4277763 0.4619626
## 8751 8752 8753 8754 8755 8756 8757
## 0.3493862 0.4322705 0.3318859 0.3081587 0.2689466 0.6292970 0.4362104
## 8758 8759 8760 8761 8762 8763 8764
## 0.6251687 0.7461951 0.3173925 0.4210832 0.4857903 0.3028714 0.5552044
## 8765 8766 8767 8768 8769 8770 8771
## 1.1736400 0.5917434 0.6037751 0.4372085 0.7646476 0.2974108 0.4804235
## 8772 8773 8774 8775 8776 8777 8778
## 0.3274439 0.2806627 0.7839976 0.6027926 0.4257780 0.5510027 0.5919155
## 8779 8780 8781 8782 8783 8784 8785
## 0.3494792 0.3909691 0.2775023 0.3679998 0.6580715 0.4524140 0.4072225
## 8786 8787 8788 8789 8790 8791 8792
## 0.5725010 0.3049344 0.4333896 0.2714726 0.3706550 0.4547075 0.6483185
## 8793 8794 8795 8796 8797 8798 8799
## 0.6850023 0.3481275 0.5650561 0.4686316 0.7950772 0.6089361 0.5977653
## 8800 8801 8802 8803 8804 8805 8806
## 0.8767074 0.3356846 0.4502639 0.8907433 0.2732681 0.4701634 0.7417072
## 8807 8808 8809 8810 8811 8812 8813
## 0.6625961 0.3823872 0.7461951 0.6069279 0.2906366 0.6834378 0.5025110
## 8814 8815 8816 8817 8818 8819 8820
## 0.6376438 0.2990155 0.6295090 0.4189801 0.4334864 0.2930284 0.4390501
## 8821 8822 8823 8824 8825 8826 8827
## 0.2799927 0.4700684 0.3191114 1.0074895 0.2890819 0.4414980 0.5983477
## 8828 8829 8830 8831 8832 8833 8834
## 0.5279509 0.3567637 0.4779468 0.4550758 0.3170743 0.3636033 0.7018706
## 8835 8836 8837 8838 8839 8840 8841
## 0.5178021 0.5991055 0.7367795 0.6692329 0.7207931 0.4321016 0.4576975
## 8842 8843 8844 8845 8846 8847 8848
## 0.3516447 0.3168239 0.2744423 0.2820980 0.4294192 0.4503986 0.4241367
## 8849 8850 8851 8852 8853 8854 8855
## 0.8745489 0.5525395 0.4576975 0.3378115 1.1474381 0.3168239 0.4785039
## 8856 8857 8858 8859 8860 8861 8862
## 0.7262624 0.2820980 0.3646317 0.8657193 0.3834121 0.2872734 0.4083020
## 8863 8864 8865 8866 8867 8868 8869
## 0.3090510 0.7668312 0.4373194 0.3470911 0.5606265 0.6199050 0.4730127
## 8870 8871 8872 8873 8874 8875 8876
## 0.4277991 0.3064747 0.5936801 0.3101018 0.6039265 0.3756565 0.4333896
## 8877 8878 8879 8880 8881 8882 8883
## 0.3098556 0.2887446 0.8699431 0.6454608 0.8644178 0.6208512 0.6725923
## 8884 8885 8886 8887 8888 8889 8890
## 0.4290838 0.4338549 0.3827380 0.3647062 1.0792051 0.9935373 0.5508862
## 8891 8892 8893 8894 8895 8896 8897
## 0.6480409 0.3751417 0.3978501 1.1585964 0.8064937 0.4914729 0.5541572
## 8898 8899 8900 8901 8902 8903 8904
## 0.5082046 0.6666127 0.3973433 0.4333067 0.3111699 0.5547048 0.4123223
## 8905 8906 8907 8908 8909 8910 8911

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## 0.3295315 0.6139773 0.7215922 0.3961529 0.6782338 0.6204388 0.5426334
## 8912      8913      8914      8915      8916      8917      8918
## 0.5742753 0.3390174 0.8956285 0.2814363 0.4796839 0.3983116 1.0714354
## 8919      8920      8921      8922      8923      8924      8925
## 0.5972838 0.6199050 0.5751358 0.3556096 0.4277991 0.3498387 0.3101018
## 8926      8927      8928      8929      8930      8931      8932
## 0.2947519 0.9948194 0.6705738 0.5678411 1.1167252 0.7819324 0.4956319
## 8933      8934      8935      8936      8937      8938      8939
## 1.2399498 0.8452002 0.4883495 0.4476690 0.4531537 0.7415560 0.4994604
## 8940      8941      8942      8943      8944      8945      8946
## 0.8639930 0.3430149 0.3111866 0.2879500 0.4221936 0.3140262 0.2833355
## 8947      8948      8949      8950      8951      8952      8953
## 0.3384897 1.0913118 0.8531507 0.5400029 0.8311938 0.4396773 0.5432480
## 8954      8955      8956      8957      8958      8959      8960
## 0.5432480 0.4308208 0.3018500 0.4433924 0.4433924 0.3128655 0.3784708
## 8961      8962      8963      8964      8965      8966      8967
## 0.3784708 0.2885577 0.6762653 0.5971918 0.3562714 0.8305947 0.8305947
## 8968      8969      8970      8971      8972      8973      8974
## 0.9509631 0.4553116 0.4553116 0.4426697 0.3831639 0.3831639 0.2939832
## 8975      8976      8977      8978      8979      8980      8981
## 0.8103611 0.3085111 0.4490586 0.4054856 0.6706362 0.3466369 0.6700422
## 8982      8983      8984      8985      8986      8987      8988
## 0.3261465 0.4853746 0.4099471 0.9509815 0.5049115 0.3182046 0.8597326
## 8989      8990      8991      8992      8993      8994      8995
## 0.3642738 0.5275044 0.6211976 0.3851730 0.5925669 0.6795288 0.4470924
## 8996      8997      8998      8999      9000      9001      9002
## 0.5921977 0.7382769 0.5886431 0.4240152 0.7899708 0.4276508 0.4419666
## 9003      9004      9005      9006      9007      9008      9009
## 0.7370127 0.7391796 0.5114457 0.7945606 0.6470554 0.7520970 0.3771261
## 9010      9011      9012      9013      9014      9015      9016
## 0.4916909 0.3672492 0.7272389 0.9348365 0.6754688 0.5814350 0.4122286
## 9017      9018      9019      9020      9021      9022      9023
## 0.5817559 0.7033958 0.4790901 0.4916865 0.6937510 0.4008364 0.4948238
## 9024      9025      9026      9027      9028      9029      9030
## 0.6094749 0.3551175 0.3368602 0.7040467 0.7332014 0.4292536 0.5152721
## 9031      9032      9033      9034      9035      9036      9037
## 0.3944500 0.4247498 0.5829496 1.4763849 1.1050731 0.8913029 1.7361556
## 9038      9039      9040      9041      9042      9043      9044
## 1.1372678 0.7863618 1.6602709 1.2700871 0.7158416 1.5412905 1.2393134
## 9045      9046      9047      9048      9049      9050      9051
## 0.8708507 1.6303860 1.0688186 0.7390874 1.6990014 1.2789879 0.6381256
## 9052      9053      9054      9055      9056      9057      9058
## 1.5497951 0.9997685 0.8343241 1.6202791 1.1293248 0.7027762 1.4942043
## 9059      9060      9061      9062      9063      9064      9065
## 0.6626238 0.9965384 1.7515422 0.9362681 0.9241919 1.3865567 1.2762388
## 9066      9067      9068      9069      9070      9071      9072

## 1.0402946 1.0717248 1.0906422 0.7275574 1.8443210 1.2845581 1.0109639
## 9073      9074      9075      9076      9077      9078      9079
## 1.0500429 0.9285109 0.9303184 1.4769247 0.7049191 0.7313686 1.4294642
## 9080      9081      9082      9083      9084      9085      9086

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## 9430 9431 9432 9433 9434 9435 9436

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## 1.1799804 1.7404825 0.3349357 0.6270895 1.0860369 0.2966638 0.8060438
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## 0.7918674 1.2822845 1.2293832 0.5598212 0.4023967 0.3849459 0.8642282
## 9444      9445      9446      9447      9448      9449      9450
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## 0.9634828 0.5862803 0.3605799 0.5150131 0.5395099 0.3218154 1.4506024
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## 9465      9466      9467      9468      9469      9470      9471
## 0.5848034 0.4327364 0.5131670 0.3058176 0.2845963 0.6815155 1.0812389
## 9472      9473      9474      9475      9476      9477      9478
## 0.6626739 0.5056760 0.4015656 0.5056760 1.6533168 0.4671290 0.4440277
## 9479      9480      9481      9482      9483      9484      9485
## 0.4671290 0.9397373 2.4023286 0.3763465 1.2383232 0.5880362 0.4943575
## 9486      9487      9488      9489      9490      9491      9492
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## 0.5005167 1.0509198 0.4390083 0.6753854 1.2436806 0.7098330 0.3812270
## 9507      9508      9509      9510      9511      9512      9513
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## 9521      9522      9523      9524      9525      9526      9527
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## 9591      9592      9593      9594      9595      9596      9597

## 0.3106163 0.7485182 1.6516727 1.0538448 0.7049181 1.3747371 0.9565981
## 9598      9599      9600      9601      9602      9603      9604
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## 0.4016889 0.3030533 0.9593563 0.3230120 0.4617549 0.5789556 0.5754443
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## 9955 9956 9957 9958 9959 9960 9961

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## 0.4957909 0.7115557 0.4415477 0.5476637 0.3337618 0.8671348 0.5722741
## 9962      9963      9964      9965      9966      9967      9968
## 0.5252895 0.3280380 0.4823804 0.4810333 0.5716386 0.3501788 0.3514933
## 9969      9970      9971      9972      9973      9974      9975
## 0.5555950 0.7746858 0.3281423 0.5085137 0.2703199 0.4696936 0.6981729
## 9976      9977      9978      9979      9980      9981      9982
## 0.5371878 0.3099102 0.2953746 0.8969307 0.4316604 0.4092962 0.6221155
## 9983      9984      9985      9986      9987      9988      9989
## 0.4204323 0.2565230 0.5334522 0.2808994 0.4288907 0.2806804 0.2577366
## 9990      9991      9992      9993      9994      9995      9996
## 0.2527701 0.4258256 0.2824732 0.2681957 0.6405457 0.3617920 0.2927223
## 9997      9998      9999      10000     10001      10002      10003
## 0.7409015 0.3850062 0.3365759 0.2896271 0.2815933 0.2749470 0.8106032
## 10004     10005     10006     10007     10008     10009     10010
## 0.3445143 0.2998934 0.2722148 0.2491904 0.2499716 0.8164566 0.4571207
## 10011     10012     10013     10014     10015     10016     10017
## 0.4472027 0.9442467 0.5101378 0.4363091 0.3742620 0.2606345 0.2504891
## 10018     10019     10020     10021     10022     10023     10024
## 0.4455313 0.3203873 0.4196692 0.2685854 0.4068188 0.2571761 0.4384848
## 10025     10026     10027     10028     10029     10030     10031
## 0.2988308 0.2926302 0.2895507 0.2544431 0.2508064 0.6066515 0.3941956
## 10032     10033     10034     10035     10036     10037     10038
## 0.2943568 0.3182024 0.3193390 0.3284578 0.2766914 0.2985974 0.2822910
## 10039     10040     10041     10042     10043     10044     10045
## 0.8458124 0.5980543 0.3742424 0.4332551 0.2948248 0.2688529 0.4502784
## 10046     10047     10048     10049     10050     10051     10052
## 0.2950162 0.3161025 0.8589932 0.3859765 0.3498196 0.3033213 0.2441240
## 10053     10054     10055     10056     10057     10058     10059
## 0.2419183 0.2887332 0.2588291 0.2500028 0.2636185 0.2437726 0.2424447
## 10060     10061     10062     10063     10064     10065     10066
## 0.3071580 0.2591683 0.2515673 0.2950669 0.2808741 0.2548866 0.4376035
## 10067     10068     10069     10070     10071     10072     10073
## 0.3037794 0.2518612 0.5496365 0.3504219 0.3440540 0.4039804 0.2959564
## 10074     10075     10076     10077     10078     10079     10080
## 0.3013036 0.2915987 0.3085862 0.2620852 0.3233227 0.2837927 0.3759382
## 10081     10082     10083     10084     10085     10086     10087
## 0.2691876 0.2478158 0.2469947 0.3854919 0.2720251 0.2778010 0.2510598
## 10088     10089     10090     10091     10092     10093     10094
## 0.2666786 0.2452242 0.2790311 0.3172467 0.2844181 1.1669168 0.3946318
## 10095     10096     10097     10098     10099     10100     10101
## 0.2875370 0.3752397 0.3289415 0.2768504 0.7385490 0.4108011 0.4408274
## 10102     10103     10104     10105     10106     10107     10108
## 0.3600363 0.3355148 0.3692894 0.2638829 0.3061576 0.7614860 0.2601255
## 10109     10110     10111     10112     10113     10114     10115
## 0.4276485 0.5271376 0.2911974 0.5138580 0.4482555 0.3758722 0.3758722
## 10116     10117     10118     10119     10120     10121     10122

## 0.3566096 0.3154186 0.3729274 0.3729274 0.4247477 0.7713059 0.3022236
## 10123     10124     10125     10126     10127     10128     10129
## 0.3970620 0.3020167 0.3020167 0.3703929 0.5610705 0.3425419 0.5693429
## 10130     10131     10132     10133     10134     10135     10136

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## 10977 10978 10979 10980 10981 10982 10983
## 0.3510839 0.3145057 0.2855053 0.3625365 0.7242595 0.3009887 0.2985532
## 10984 10985 10986 10987 10988 10989 10990
## 0.2527213 0.4489083 0.2819545 0.2877483 0.2755451 0.3431999 0.3201347
## 10991 10992 10993 10994 10995 10996 10997
## 0.4496286 0.3310651 0.3011890 0.3757870 0.2541397 0.2857957 0.2616394
## 10998 10999 11000 11001 11002 11003 11004
## 0.4430803 0.2754517 0.4692912 0.2794035 0.3253541 0.2954056 0.7556755
## 11005 11006 11007 11008 11009 11010 11011

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## 0.3078520 0.4027622 0.2848943 0.2848081 0.3176065 0.2534876 0.2713548
## 11012    11013    11014    11015    11016    11017    11018
## 0.2804768 0.5649270 0.2869344 0.2777387 1.1151357 0.4066397 0.3311546
## 11019    11020    11021    11022    11023    11024    11025
## 0.3076333 0.8400221 0.2745345 0.2744155 0.4865350 0.2937497 0.8352616
## 11026    11027    11028    11029    11030    11031    11032
## 0.2851577 0.3123970 0.3495027 0.2492925 0.2808345 0.5188449 0.3188814
## 11033    11034    11035    11036    11037    11038    11039
## 0.3286602 0.4603244 0.2863393 0.2656922 0.6539833 0.3260278 0.3329895
## 11040    11041    11042    11043    11044    11045    11046
## 0.2714292 0.4442956 0.2857583 0.2512063 0.2924910 0.5346269 0.2523055
## 11047    11048    11049    11050    11051    11052    11053
## 0.2933559 0.2691985 0.3664201 0.5126547 0.2872069 0.2846028 1.1458556
## 11054    11055    11056    11057    11058    11059    11060
## 0.2569548 0.2703017 0.4845263 0.3379933 0.5680090 0.3833733 0.3336495
## 11061    11062    11063    11064    11065    11066    11067
## 0.8792028 0.3114039 0.3153324 0.3429781 0.2600645 0.3354438 0.4275711
## 11068    11069    11070    11071    11072    11073    11074
## 0.3093156 0.4027622 0.4180319 0.2988930 0.2848081 0.3099201 0.2534876
## 11075    11076    11077    11078    11079    11080    11081
## 0.2796346 0.4082115 0.3119063 0.3176677 0.3532847 0.2912051 0.2520446
## 11082    11083    11084    11085    11086    11087    11088
## 0.3738725 0.3464464 0.2520278 0.6310158 0.3593952 0.3174924 0.4932229
## 11089    11090    11091    11092    11093    11094    11095
## 0.2811826 0.2663786 1.2031702 0.4624606 0.3048867 0.9708428 0.4593430
## 11096    11097    11098    11099    11100    11101    11102
## 1.2484163 0.4667260 0.5606647 0.4271844 0.5129175 0.5982451 0.4168758
## 11103    11104    11105    11106    11107    11108    11109
## 0.2964579 0.3149305 0.3159712 0.2522923 0.2832392 0.3000026 0.4347517
## 11110    11111    11112    11113    11114    11115    11116
## 0.2884664 0.2505481 0.4083405 0.2862638 0.4225277 0.2505030 0.2884286
## 11117    11118    11119    11120    11121    11122    11123
## 0.2515891 0.4759295 0.3164600 0.2957249 0.5349022 0.4759874 0.7498177
## 11124    11125    11126    11127    11128    11129    11130
## 0.3196530 0.2939304 0.3466615 0.2639905 0.3214549 0.2556212 0.3864395
## 11131    11132    11133    11134    11135    11136    11137
## 0.6180081 0.3436341 0.3381017 1.0112203 0.2987526 0.2970878 0.3740012
## 11138    11139    11140    11141    11142    11143    11144
## 0.2994093 0.3542893 0.2838780 0.6966608 0.4905332 0.2520446 0.3440567
## 11145    11146    11147    11148    11149    11150    11151
## 0.2823372 1.0463561 0.2877726 0.2757959 0.6506088 0.5610626 0.4325122
## 11152    11153    11154    11155    11156    11157    11158
## 1.1446724 0.3130068 0.3168925 0.3099932 0.2967015 1.6005955 0.4456309
## 11159    11160    11161    11162    11163    11164    11165
## 0.5241406 0.4497836 0.3438429 0.3921551 0.2612013 0.3406632 0.2789898
## 11166    11167    11168    11169    11170    11171    11172

## 0.2489857 0.2487389 0.2497873 0.6249067 0.4192804 0.3804272 0.3655462
## 11173    11174    11175    11176    11177    11178    11179
## 0.2782750 0.2510885 0.3430228 0.3064227 0.2590805 0.3342589 0.2813054
## 11180    11181    11182    11183    11184    11185    11186

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## 0.2512063 0.4970131 0.3370467 0.2703031 0.4090735 0.2980469 0.2689442
## 11187 11188 11189 11190 11191 11192 11193
## 1.0986124 0.3323205 0.2761109 0.3565544 0.2786777 0.2510885 0.3061869
## 11194 11195 11196 11197 11198 11199 11200
## 0.6066333 0.3086033 0.3005955 0.5840447 0.3168812 0.3073060 0.3095403
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## 0.2738229 0.2948306 1.1154448 0.3640327 0.2966409 0.2986228 0.3217995
## 11208 11209 11210 11211 11212 11213 11214
## 0.3086764 0.3957927 0.3149574 0.3215527 0.4234485 0.3155914 0.2739049
## 11215 11216 11217 11218 11219 11220 11221
## 0.6452742 0.4865350 0.4860831 0.2851577 0.2947753 0.2492925 0.3377611
## 11222 11223 11224 11225 11226 11227 11228
## 0.3023795 0.2590805 0.3830186 0.3640327 0.3175831 0.2986228 0.3128252
## 11229 11230 11231 11232 11233 11234 11235
## 0.2512062 0.5248472 0.4313072 0.3153912 0.2853479 0.3731676 0.3242107
## 11236 11237 11238 11239 11240 11241 11242
## 0.2836981 0.2748291 0.2500475 0.4666684 0.3166648 0.3045782 0.5277045
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## 11257 11258 11259 11260 11261 11262 11263
## 0.3117276 0.3211558 0.2746166 0.2919099 0.4581162 0.2834680 0.5864962
## 11264 11265 11266 11267 11268 11269 11270
## 0.2508084 0.3258796 0.2951567 1.2120062 0.3403999 0.3921551 0.3200112
## 11271 11272 11273 11274 11275 11276 11277
## 0.2789898 0.5129175 0.2497873 0.3139928 0.2959840 1.6395823 0.4736572
## 11278 11279 11280 11281 11282 11283 11284
## 0.4585119 0.3431999 0.3025439 0.2588202 0.4830786 0.5530886 0.3741058
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## 11292 11293 11294 11295 11296 11297 11298
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## 11306 11307 11308 11309 11310 11311 11312
## 0.3103521 0.2622402 0.2569548 0.4066397 0.3076333 0.2744155 0.4169686
## 11313 11314 11315 11316 11317 11318 11319
## 0.3110591 0.2952063 0.3688627 0.2751036 0.2497873 0.4130004 0.3085561
## 11320 11321 11322 11323 11324 11325 11326
## 0.2755057 0.4465364 0.2931122 0.2533167 0.6815789 0.4475853 0.3091458
## 11327 11328 11329 11330 11331 11332 11333
## 0.4497836 0.4370060 0.3737712 0.4692661 0.2567153 0.2538736 0.4061186
## 11334 11335 11336 11337 11338 11339 11340
## 0.2925423 0.5452043 0.2671928 0.3262065 0.3120453 0.5884037 0.2840048
## 11341 11342 11343 11344 11345 11346 11347
## 0.2625293 0.2612923 0.2400117 0.2408445 0.3096607 0.2436943 0.2439676
## 11348 11349 11350 11351 11352 11353 11354
## 0.3072107 0.2510279 0.2531099 0.2493679 0.2400507 0.2416773 0.2610706
## 11355 11356 11357 11358 11359 11360 11361

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## 0.3346297 0.2482878 0.2446833 0.2649442 0.2547682 0.3185013 2.2188051
## 11362 11363 11364 11365 11366 11367 11368
## 0.7177182 1.6616611 0.4641029 1.8978869 1.8540336 1.2737051 0.9570184
## 11369 11370 11371 11372 11373 11374 11375
## 0.6260937 0.5846543 1.4642393 0.3250976 0.4126932 0.7599265 2.2962657
## 11376 11377 11378 11379 11380 11381 11382
## 0.3038495 2.2808701 0.5685259 1.6621974 0.2998266 2.2565358 1.5582522
## 11383 11384 11385 11386 11387 11388 11389
## 1.6041699 0.5530537 1.5393364 1.3964798 0.3760639 1.4538999 1.1350113
## 11390 11391 11392 11393 11394 11395 11396
## 1.5084605 0.8434746 0.3389509 2.3888159 1.5260922 0.3503973 0.7385538
## 11397 11398 11399 11400 11401 11402 11403
## 1.7013042 0.9452553 0.6997563 0.7518963 2.4167832 0.6451616 1.8851259
## 11404 11405 11406 11407 11408 11409 11410
## 1.6691027 2.1820669 1.5288874 0.7454225 2.5640688 1.6324530 2.1097343
## 11411 11412 11413 11414 11415 11416 11417
## 1.9009784 1.6113387 0.8049869 0.6549010 1.6034152 0.6726957 0.9151333
## 11418 11419 11420 11421 11422 11423 11424
## 1.4781388 0.6290968 0.5398606 2.4247674 0.6826128 0.3533153 1.3780913
## 11425 11426 11427 11428 11429 11430 11431
## 1.3750347 1.4307421 1.5728183 1.3155307 0.4299828 1.0210669 0.4812304
## 11432 11433 11434 11435 11436 11437 11438
## 0.5094412 0.5670588 1.4284361 1.4277013 0.3792472 1.5982345 0.3351443
## 11439 11440 11441 11442 11443 11444 11445
## 0.2997056 0.3169573 0.6873164 1.0253817 0.7543217 0.4068121 0.6774844
## 11446 11447 11448 11449 11450 11451 11452
## 0.7355039 2.0192703 1.3880355 1.2704096 1.2516880 1.6099124 0.5425254
## 11453 11454 11455 11456 11457 11458 11459
## 1.2664424 0.6850205 2.2485210 0.9161057 1.6945105 1.4584452 2.1084718
## 11460 11461 11462 11463 11464 11465 11466
## 0.7105597 1.9606839 1.4974877 0.6958358 1.0908149 1.4380077 2.2268728
## 11467 11468 11469 11470 11471 11472 11473
## 1.0709640 1.1061985 1.1928102 0.5146702 1.1984950 1.5390786 1.2507434
## 11474 11475 11476 11477 11478 11479 11480
## 1.4897701 0.5881134 0.7043359 1.5241644 0.6095603 0.3040607 0.4574384
## 11481 11482 11483 11484 11485 11486 11487
## 0.9196928 1.0948110 0.7478094 0.7233145 1.2449336 0.3060253 1.6163863
## 11488 11489 11490 11491 11492 11493 11494
## 0.9047420 0.7445249 1.4195545 1.6271234 1.1671078 1.4146504 1.6364296
## 11495 11496 11497 11498 11499 11500 11501
## 0.4872757 0.7539041 0.5986223 0.7352430 1.3928120 0.6016090 0.3229097
## 11502 11503 11504 11505 11506 11507 11508
## 0.5168551 1.7498239 1.7175865 0.5219481 0.6359985 0.3136556 0.5960104
## 11509 11510 11511 11512 11513 11514 11515
## 0.8969545 1.2359148 1.4938520 0.3548492 0.6143762 1.3642134 1.3044694
## 11516 11517 11518 11519 11520 11521 11522
## 0.9330428 0.4528349 0.6058797 1.1691724 2.0191911 0.6628483 0.3339245
## 11523 11524 11525 11526 11527 11528 11529
## 0.3872485 0.6650860 0.5903384 1.1794537 0.8726481 0.3274868 0.3768944
## 11530 11531 11532 11533 11534 11535 11536

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## 0.8378718 0.2387234 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 11537     11538     11539     11540     11541     11542     11543
## 0.2382550 0.2382550 0.2382550 0.8341737 0.8284419 0.6798248 1.1391022
## 11544     11545     11546     11547     11548     11549     11550
## 0.9275771 0.6293928 0.7966528 0.4957254 0.6790522 1.2642386 0.9187361
## 11551     11552     11553     11554     11555     11556     11557
## 0.7371445 1.4396956 0.8592342 0.9519965 0.4994938 0.7825472 0.3946333
## 11558     11559     11560     11561     11562     11563     11564
## 0.8618173 0.8330327 0.5341482 0.7404902 0.4531950 0.5563829 0.3514157
## 11565     11566     11567     11568     11569     11570     11571
## 0.5385331 0.3347399 0.6390143 0.3503117 2.6846096 2.2901813 2.1739566
## 11572     11573     11574     11575     11576     11577     11578
## 2.2665753 1.4628490 0.4911089 1.9941812 2.3440232 2.1236025 1.5015057
## 11579     11580     11581     11582     11583     11584     11585
## 2.4355258 1.6392376 0.8352376 2.4815533 2.1146080 0.8804085 2.5170848
## 11586     11587     11588     11589     11590     11591     11592
## 1.6303826 1.7234717 2.2089033 2.1823982 2.5031594 0.7510892 1.6494294
## 11593     11594     11595     11596     11597     11598     11599
## 0.9895691 1.8955202 0.7753206 1.5449413 1.6755293 2.3288426 2.6630267
## 11600     11601     11602     11603     11604     11605     11606
## 1.9285015 2.2763540 0.7106626 0.7218746 2.6450126 2.2582775 2.2190388
## 11607     11608     11609     11610     11611     11612     11613
## 2.1388125 0.8516000 2.0734864 2.4302590 2.2630212 1.4595524 2.6216356
## 11614     11615     11616     11617     11618     11619     11620
## 2.7934743 2.2350077 2.5991873 0.7949251 1.5077527 2.6140461 2.1183043
## 11621     11622     11623     11624     11625     11626     11627
## 1.8675698 2.8524727 2.6368095 2.0384930 2.6079016 0.5813507 1.7334316
## 11628     11629     11630     11631     11632     11633     11634
## 2.5234436 1.9232269 0.7829734 2.5111592 2.0867979 2.4713992 0.6539923
## 11635     11636     11637     11638     11639     11640     11641
## 0.8534705 2.8088078 0.7907084 2.2348532 2.5627755 0.6537171 1.8131402
## 11642     11643     11644     11645     11646     11647     11648
## 2.7363294 0.7511213 2.5277160 2.8227213 1.1016478 2.4336203 0.7573148
## 11649     11650     11651     11652     11653     11654     11655
## 2.6375737 1.9977480 0.6944768 2.3641526 1.6553406 2.7042728 2.6468599
## 11656     11657     11658     11659     11660     11661     11662
## 0.4790158 2.5916666 0.7282148 1.4831918 0.5851872 2.6421199 2.8977936
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## 2.3874748 2.3737352 1.1280574 1.1286033 2.7225967 2.7028319 2.1749992
## 11670     11671     11672     11673     11674     11675     11676
## 2.3038094 2.6090396 0.8179905 0.6532814 0.6838476 1.8581846 0.6839601
## 11677     11678     11679     11680     11681     11682     11683
## 0.5075582 0.5560191 2.5926615 0.9888627 0.7897445 2.7052037 2.4563476
## 11684     11685     11686     11687     11688     11689     11690
## 1.0035707 2.5752057 2.6373826 1.1274570 2.6353857 2.7981654 2.6222289
## 11691     11692     11693     11694     11695     11696     11697

## 1.9108013 1.0652373 1.3921941 0.8509374 2.4812774 2.6254678 2.7134387
## 11698     11699     11700     11701     11702     11703     11704
## 1.6827344 2.2380444 1.5920719 0.4815900 0.9736471 0.8782783 2.8337818
## 11705     11706     11707     11708     11709     11710     11711

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## 2.8489447 2.5492421 2.2153163 0.8860301 2.5330626 0.7241443 0.7941024
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## 2.7431174 2.7044208 0.7418807 2.5479545 2.1742328 2.6028654 1.0020878
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## 0.5838177 1.8080605 0.8180032 2.7536256 2.6570852 0.9981319 2.3487440
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## 11880 11881 11882 11883 11884 11885 11886

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## 2.5607071 2.3216950 2.1263578 2.5015143 2.7885780 0.6006140 2.2372213
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## 2.2420586 2.7403492 0.4880386 0.6273720 1.0107112 2.5787092 2.2715390
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## 2.5096858 2.6845414 0.6604415 2.5098223 2.5055115 1.2961711 2.4747473
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## 1.1040588 2.5157009 2.3917911 2.6985169 2.0753436 2.4938141 1.1089999
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## 11915 11916 11917 11918 11919 11920 11921
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## 2.5524806 2.7315767 2.4129266 2.3678301 2.4386249 0.7885415 0.7539147
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## 2.3558284 2.5234056 2.5695577 2.3015321 2.3708831 0.6272477 0.8036695
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## 2.4534307 2.5289182 0.9897954 2.6587776 2.7075152 2.6382105 2.6129081
## 11971 11972 11973 11974 11975 11976 11977
## 1.8134595 2.2143285 0.7174869 0.7821769 2.6855606 2.5470113 2.5259479
## 11978 11979 11980 11981 11982 11983 11984
## 2.6628449 2.5737859 2.8950119 2.6057022 2.6589553 2.4772388 2.4952638
## 11985 11986 11987 11988 11989 11990 11991
## 2.7403506 2.4434020 2.5618895 0.7165082 2.3108169 2.6298538 2.5257671
## 11992 11993 11994 11995 11996 11997 11998
## 1.3979943 2.8163945 2.9986035 2.6195712 2.5675102 0.9967814 2.9308145
## 11999 12000 12001 12002 12003 12004 12005
## 2.7654745 1.2855195 1.9607547 2.5651151 2.9000667 0.6061610 0.8061212
## 12006 12007 12008 12009 12010 12011 12012
## 2.5543137 2.9036139 0.9780714 2.5522730 2.6435760 2.5605076 2.7284269
## 12013 12014 12015 12016 12017 12018 12019
## 2.6440164 2.6361833 0.8380416 2.6027781 0.7311432 2.7403460 2.6205352
## 12020 12021 12022 12023 12024 12025 12026
## 2.6311570 2.5265510 2.6591437 0.7656159 2.4776884 0.6583574 0.8907566
## 12027 12028 12029 12030 12031 12032 12033
## 2.8195620 2.4370817 2.6976916 2.6900308 0.6875708 1.9028601 2.4901741
## 12034 12035 12036 12037 12038 12039 12040
## 0.6795760 2.7056119 0.8625780 2.5174708 2.6047797 2.4750760 2.6790046
## 12041 12042 12043 12044 12045 12046 12047
## 2.7069936 2.6110936 2.7355600 1.2708700 2.7184648 2.5770931 2.6192295
## 12048 12049 12050 12051 12052 12053 12054
## 1.1467193 2.2913319 2.6861318 2.4765348 2.8754879 2.0383758 2.7804854
## 12055 12056 12057 12058 12059 12060 12061

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## 2.5408552 2.6784243 0.7231640 2.5691874 2.5413738 2.4517427 2.8902534
## 12062     12063     12064     12065     12066     12067     12068
## 0.7472022 2.6237424 2.8396462 2.6342132 2.4605467 2.5817905 2.2275122
## 12069     12070     12071     12072     12073     12074     12075
## 2.5315529 2.5361896 2.7299429 2.5582290 2.5627968 2.6109867 1.7354563
## 12076     12077     12078     12079     12080     12081     12082
## 2.3269723 2.6645237 2.6901746 2.5635198 2.6790976 2.3544060 2.6737506
## 12083     12084     12085     12086     12087     12088     12089
## 2.7423987 2.8242583 1.7384222 0.7762222 2.6047552 0.6745307 0.8118864
## 12090     12091     12092     12093     12094     12095     12096
## 2.3608886 2.9030811 2.6716748 2.5585649 2.6312382 1.1057780 2.5295468
## 12097     12098     12099     12100     12101     12102     12103
## 2.8014841 2.4926346 0.8810726 2.8483460 2.5357806 2.5633837 2.5593174
## 12104     12105     12106     12107     12108     12109     12110
## 2.5185623 2.4739028 2.8558515 2.6426791 2.6282125 2.6442470 2.4448412
## 12111     12112     12113     12114     12115     12116     12117
## 2.4924555 2.8386051 2.5937856 2.5206807 2.7569882 0.9063112 2.6496276
## 12118     12119     12120     12121     12122     12123     12124
## 2.6374865 2.2632911 2.6564776 0.6272289 2.4598435 2.1378285 2.6936642
## 12125     12126     12127     12128     12129     12130     12131
## 2.1798408 2.4208528 2.6633170 2.6507384 2.3505807 2.5701758 0.9536426
## 12132     12133     12134     12135     12136     12137     12138
## 2.4941674 2.5488282 2.2220211 2.6806687 2.6255048 2.6134757 2.4152406
## 12139     12140     12141     12142     12143     12144     12145
## 2.6092328 0.9851549 2.4467986 2.1502044 2.5853694 2.5695498 2.4897728
## 12146     12147     12148     12149     12150     12151     12152
## 2.8184761 2.4838614 2.4978486 2.5109579 2.4718455 2.4819758 2.6895626
## 12153     12154     12155     12156     12157     12158     12159
## 2.5240551 2.3499858 2.6303422 2.4330527 2.4427922 2.7286022 2.6154801
## 12160     12161     12162     12163     12164     12165     12166
## 2.5332230 2.7347642 0.6901996 2.6908195 2.4527947 2.7019466 2.6327685
## 12167     12168     12169     12170     12171     12172     12173
## 2.1984055 2.5427764 0.6677083 2.5443112 2.6044119 2.4696338 1.4176914
## 12174     12175     12176     12177     12178     12179     12180
## 2.6786404 2.5688730 2.3953315 2.7215669 2.4972305 2.2656290 2.5557904
## 12181     12182     12183     12184     12185     12186     12187
## 2.5415395 2.5205509 2.7805564 2.5493431 2.5482000 2.6978032 2.6225928
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## 12195     12196     12197     12198     12199     12200     12201
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## 12202     12203     12204     12205     12206     12207     12208
## 2.6902026 1.7080359 2.6322892 2.4068330 2.6013827 1.7824829 2.5505667
## 12209     12210     12211     12212     12213     12214     12215
## 2.6189132 2.5375026 2.1209501 2.7313788 2.4499235 2.5096610 2.4283959
## 12216     12217     12218     12219     12220     12221     12222

## 2.5069182 2.4539805 2.5696255 2.4842721 2.4579568 2.5060385 2.4117862
## 12223     12224     12225     12226     12227     12228     12229
## 2.4308201 2.6712637 2.3745989 2.4495571 2.8187010 2.6165843 2.3773355
## 12230     12231     12232     12233     12234     12235     12236

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## 2.6118367 2.5811947 2.5169511 2.6674742 2.4344983 1.3430346 0.6949130
## 12237 12238 12239 12240 12241 12242 12243
## 2.6580962 2.6365705 2.4738843 2.4364671 2.2863107 2.2870381 2.6872632
## 12244 12245 12246 12247 12248 12249 12250
## 2.3346583 1.3857812 2.6293553 2.4761284 2.6660345 2.2371183 2.2291309
## 12251 12252 12253 12254 12255 12256 12257
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## 12258 12259 12260 12261 12262 12263 12264
## 2.5523418 2.5287501 2.2277373 2.7023035 0.6880448 2.6100682 2.5731977
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## 2.4020734 2.6323217 2.3780772 2.5714029 1.8781452 2.3748186 2.3396468
## 12272 12273 12274 12275 12276 12277 12278
## 2.6263133 2.6647837 2.5750948 2.7118657 2.2930522 2.4837930 2.5484533
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## 2.2634865 2.4106148 2.4736072 2.6288024 2.4700862 2.4317363 2.5863599
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## 12293 12294 12295 12296 12297 12298 12299
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## 12321 12322 12323 12324 12325 12326 12327
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## 2.4893621 2.4868116 2.5406104 2.4186560 2.4598930 2.4944216 2.4229428
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## 2.4757209 2.2251372 2.5019807 2.3936344 2.3573722 2.7982197 2.6006457
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## 2.5325671 2.5870550 0.2860526 0.3149995 0.2828521 0.4303660 0.2868869
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## 0.4576194 0.8287199 0.4558507 0.3997262 0.5244571 0.2839603 0.3548009
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## 12405 12406 12407 12408 12409 12410 12411

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## 0.3503361 0.2760745 0.3720980 0.3146625 0.3063328 0.2891640 0.2523478
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## 0.2483399 1.0147061 0.3795899 0.3088175 0.3734568 0.3059230 0.3406948
## 12419 12420 12421 12422 12423 12424 12425
## 0.2940952 0.2461290 0.4158038 1.0294189 0.4643130 0.3798585 0.4570115
## 12426 12427 12428 12429 12430 12431 12432
## 0.2863454 0.2737953 0.5296777 0.3371056 0.3077704 0.7211834 0.3649148
## 12433 12434 12435 12436 12437 12438 12439
## 0.4002300 0.4168784 0.3232795 0.2920501 0.5090002 0.3476922 0.3240764
## 12440 12441 12442 12443 12444 12445 12446
## 0.8298756 0.3075989 0.3311262 0.2688924 0.5873373 0.2450707 0.3884366
## 12447 12448 12449 12450 12451 12452 12453
## 0.2448524 0.3168583 0.3460348 0.2652225 0.4134778 0.5166223 0.3622835
## 12454 12455 12456 12457 12458 12459 12460
## 0.3726253 0.2831733 0.2930595 0.2561933 0.8427880 0.4925405 0.4085271
## 12461 12462 12463 12464 12465 12466 12467
## 0.6051383 0.3084781 0.2829689 0.5060420 0.2729462 0.2514820 0.4522799
## 12468 12469 12470 12471 12472 12473 12474
## 0.2894921 0.2648973 0.2873380 1.1961982 0.2563427 0.6083167 0.2475610
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## 12496 12497 12498 12499 12500 12501 12502
## 0.4555289 0.2786129 0.2441598 0.2442669 0.4469383 0.4469383 0.2606774
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## 0.2606774 0.2535676 0.2535676 0.3816670 0.4378790 0.4091583 0.3403641
## 12510 12511 12512 12513 12514 12515 12516
## 0.3295233 0.3080411 0.4156253 0.3513752 0.3406726 0.3691712 0.3214793
## 12517 12518 12519 12520 12521 12522 12523
## 0.4139591 0.3413794 0.3144735 0.4013666 0.2790675 0.3117564 0.7321888
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## 12531 12532 12533 12534 12535 12536 12537
## 0.4568303 0.3976423 0.3817378 0.2897093 0.2860565 0.4896215 0.6092587
## 12538 12539 12540 12541 12542 12543 12544
## 0.5789180 0.5088682 0.3220979 0.2785038 0.3575830 0.3114710 0.2812896
## 12545 12546 12547 12548 12549 12550 12551
## 0.3846039 0.3014515 0.2764652 0.5433581 0.5428686 0.5205475 0.3001628
## 12552 12553 12554 12555 12556 12557 12558
## 0.2614827 0.2646979 0.4338625 0.3092522 0.2909996 0.3258904 0.3417102
## 12559 12560 12561 12562 12563 12564 12565
## 0.3069493 0.4270833 0.3090939 0.3512746 0.7837714 0.7837714 0.2911992
## 12566 12567 12568 12569 12570 12571 12572
## 0.4639204 0.4639204 0.5988145 0.3945667 0.6151369 0.3945667 0.5615994
## 12573 12574 12575 12576 12577 12578 12579
## 0.4346922 0.3110851 0.4180055 0.6476578 0.3969718 0.8046855 0.7089222
## 12580 12581 12582 12583 12584 12585 12586

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## 0.4232002 0.4105136 0.5196880 0.2992159 0.4905670 0.3931920 0.7920604
## 12587     12588     12589     12590     12591     12592     12593
## 0.3372401 0.5360542 0.4042300 0.2926882 0.2648386 0.2669843 0.5933161
## 12594     12595     12596     12597     12598     12599     12600
## 0.5756255 0.3839342 0.7463380 0.3745659 0.3263823 0.4107218 0.3072113
## 12601     12602     12603     12604     12605     12606     12607
## 0.4018449 0.4468791 0.3511585 0.3364180 0.5621005 0.3240723 0.2674990
## 12608     12609     12610     12611     12612     12613     12614
## 0.7640594 0.6288444 0.4702816 0.4176685 0.3155059 0.3541681 0.2567597
## 12615     12616     12617     12618     12619     12620     12621
## 0.2499157 0.2439285 0.3194608 0.3588797 0.3593791 0.2838746 0.3216331
## 12622     12623     12624     12625     12626     12627     12628
## 0.3046967 0.2967895 0.2591865 0.2524606 0.3285380 0.2612375 0.2567492
## 12629     12630     12631     12632     12633     12634     12635
## 0.4891464 0.2732668 0.2606424 0.2601414 0.2520634 0.2679926 0.2471658
## 12636     12637     12638     12639     12640     12641     12642
## 0.2440541 0.2442089 0.2782296 0.2725918 0.2586982 0.2454315 0.2561584
## 12643     12644     12645     12646     12647     12648     12649
## 0.2451960 0.3210330 0.2732106 0.2845087 0.2466026 0.2485839 0.2467575
## 12650     12651     12652     12653     12654     12655     12656
## 0.2657397 0.2696348 0.2514979 0.2443306 0.2560476 0.2444152 0.5164117
## 12657     12658     12659     12660     12661     12662     12663
## 0.3424489 0.2696348 0.2877596 0.2443306 0.2444152 0.3981447 0.3342706
## 12664     12665     12666     12667     12668     12669     12670
## 0.2793401 0.2987133 0.2447258 0.2444152 0.3250553 0.2620091 0.2696348
## 12671     12672     12673     12674     12675     12676     12677
## 0.2538234 0.2435498 0.2444152 0.2894230 0.2645895 0.2805896 0.2560821
## 12678     12679     12680     12681     12682     12683     12684
## 0.2523334 0.2493600 0.6617207 0.2696348 0.4882840 0.2443306 0.3095679
## 12685     12686     12687     12688     12689     12690     12691
## 0.2444152 0.2654303 0.2497731 0.2481430 0.2938949 0.3633304 0.4290578
## 12692     12693     12694     12695     12696     12697     12698
## 0.2981938 0.3084180 0.2596901 0.3728604 0.2793152 0.2669608 0.3046747
## 12699     12700     12701     12702     12703     12704     12705
## 0.3046747 0.2517550 0.2517550 0.2578834 0.2578834 0.2382550 0.2404671
## 12706     12707     12708     12709     12710     12711     12712
## 0.2400767 0.2391398 0.2387234 0.2387234 0.2446753 0.2386453 0.2386453
## 12713     12714     12715     12716     12717     12718     12719
## 0.2484049 0.2558930 0.2468824 0.2395099 0.2488344 0.2395099 0.2465701
## 12720     12721     12722     12723     12724     12725     12726
## 0.2539223 0.2735326 0.2390748 0.2382550 0.2384501 0.2382550 0.2382550
## 12727     12728     12729     12730     12731     12732     12733
## 0.2382550 0.2896924 0.2527901 0.2534915 0.2602887 0.2676118 0.2734197
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## 0.2510595 0.2401408 0.2387234 0.2382550 0.2395042 0.2394261 0.2418985
## 12741     12742     12743     12744     12745     12746     12747

## 0.2382550 0.2382550 0.2418985 0.2390357 0.2435512 0.2448150 0.2412319
## 12748     12749     12750     12751     12752     12753     12754
## 0.2407348 0.2430567 0.2384501 0.2399515 0.2413390 0.2382550 0.2382550
## 12755     12756     12757     12758     12759     12760     12761

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## 0.2443449 0.2618667 0.2386453 0.2570745 0.2395749 0.2395749 0.2518533
## 12762 12763 12764 12765 12766 12767 12768
## 0.2405322 0.2405322 0.2420417 0.2585419 0.2443189 0.2607181 0.2649442
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## 0.2904671 0.2465768 0.2394261 0.2392960 0.2403370 0.2382550 0.2382550
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## 0.3000598 0.2610143 0.2397355 0.2470126 0.2382550 0.2382550 0.2421471
## 12783 12784 12785 12786 12787 12788 12789
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## 0.2427643 0.2516321 0.2413260 0.2519184 0.2470776 0.2496758 0.2496758
## 12923 12924 12925 12926 12927 12928 12929
## 0.2435251 0.2549112 0.2408575 0.2408575 0.2445151 0.2479865 0.2416383
## 12930 12931 12932 12933 12934 12935 12936

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## 0.2416383 0.2495480 0.2556239 0.2472575 0.2469452 0.2424323 0.2382550
## 12937 12938 12939 12940 12941 12942 12943
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## 12944 12945 12946 12947 12948 12949 12950
## 0.2412823 0.2382550 0.2410221 0.2674035 0.2506297 0.2544648 0.2821787
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## 1.1771512 0.3777773 0.3054728 0.3234119 1.3126041 0.5936874 0.7174765
## 13973 13974 13975 13976 13977 13978 13979
## 0.3336654 0.4752885 0.3861499 0.8595517 0.3809218 0.3943849 0.3568682
## 13980 13981 13982 13983 13984 13985 13986

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## 0.4505516 0.2683997 0.5620915 0.3922077 0.4498711 1.0443398 0.3616734
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## 0.2989930 0.2935218 0.4449169 0.2929403 0.2751149 0.3997908 0.4340361
## 13994 13995 13996 13997 13998 13999 14000
## 0.3138122 0.7337677 0.4338315 0.3102758 0.5569144 0.4169617 0.4634745
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## 1.7068720 1.8075470 1.3451233 0.3908851 0.3078446 0.2604031 0.7383669
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## 14141 14142 14143 14144 14145 14146 14147
## 1.1653612 0.9415788 1.4087634 0.9411904 1.0425324 1.0425324 1.3381486
## 14148 14149 14150 14151 14152 14153 14154
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## 14155 14156 14157 14158 14159 14160 14161

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## 1.4526554 1.1634756 1.0001248 1.4732670 1.3015147 1.0014901 0.7923002
## 14162     14163     14164     14165     14166     14167     14168
## 0.9071630 0.7430272 1.7263426 1.1581057 0.7952463 0.9975394 0.7358954
## 14169     14170     14171     14172     14173     14174     14175
## 0.5778406 0.7705387 0.6055312 0.7368549 1.1940006 0.5846533 1.3106233
## 14176     14177     14178     14179     14180     14181     14182
## 1.0949243 1.3691436 1.3301503 1.1637902 0.7323055 0.4886517 1.1123762
## 14183     14184     14185     14186     14187     14188     14189
## 0.8782694 0.6903295 0.7845020 0.4214736 0.3351572 0.8014646 0.7243972
## 14190     14191     14192     14193     14194     14195     14196
## 0.5542608 0.7435420 0.3882220 0.3424917 0.6068379 0.4698315 0.6107634
## 14197     14198     14199     14200     14201     14202     14203
## 1.0924193 0.6585729 1.1924466 0.8143537 0.5635509 0.8652744 0.7928023
## 14204     14205     14206     14207     14208     14209     14210
## 0.4869834 1.2930602 0.2871371 1.2866411 0.8561192 1.4759769 0.7710165
## 14211     14212     14213     14214     14215     14216     14217
## 0.6917839 0.6866199 0.3885113 0.4438591 1.1263408 0.4539942 0.3530071
## 14218     14219     14220     14221     14222     14223     14224
## 0.7880996 0.5558259 1.0925054 0.7609437 0.4518263 0.3516611 0.7839601
## 14225     14226     14227     14228     14229     14230     14231
## 0.4090699 0.3021801 1.0091818 0.7558645 0.5604966 0.6388015 0.7301734
## 14232     14233     14234     14235     14236     14237     14238
## 0.7104270 0.6856393 0.3962050 0.4542170 0.7970282 0.4657239 0.6490517
## 14239     14240     14241     14242     14243     14244     14245
## 0.7936305 0.7623079 0.7479160 0.3775588 0.6446270 0.3012042 0.6844940
## 14246     14247     14248     14249     14250     14251     14252
## 0.7784450 0.3008086 1.2184891 0.7928293 0.8129934 0.4825301 0.4115311
## 14253     14254     14255     14256     14257     14258     14259
## 0.3084914 0.7609437 0.4808451 0.6819925 1.1436567 0.6043921 0.8440670
## 14260     14261     14262     14263     14264     14265     14266
## 0.7584537 0.3131305 0.2950346 0.7606615 0.3693852 0.3962753 2.5629190
## 14267     14268     14269     14270     14271     14272     14273
## 1.8257781 1.8597952 2.8935693 2.0936008 1.7684892 2.1014224 1.4374608
## 14274     14275     14276     14277     14278     14279     14280
## 0.5742883 2.6034828 2.1386333 2.1489001 2.4714794 2.2634057 2.1241712
## 14281     14282     14283     14284     14285     14286     14287
## 2.2140264 2.0355865 1.9414237 2.2984606 1.9792973 2.2180513 2.3749337
## 14288     14289     14290     14291     14292     14293     14294
## 1.7828092 1.8840621 1.8872816 1.6505545 1.4222887 1.2827008 1.3879712
## 14295     14296     14297     14298     14299     14300     14301
## 0.7974573 2.2230557 0.9787039 2.1229608 2.1894236 0.8599515 1.2027797
## 14302     14303     14304     14305     14306     14307     14308
## 2.2567334 1.5957535 0.5399992 1.1815890 0.7279524 1.0677753 1.6702870
## 14309     14310     14311     14312     14313     14314     14315
## 1.7597851 1.4193404 1.6642425 1.5603608 1.5047828 1.9044293 1.9595786
## 14316     14317     14318     14319     14320     14321     14322

## 0.4049585 0.7831386 0.3787606 0.4798584 1.5417230 1.4625784 0.4989911
## 14323     14324     14325     14326     14327     14328     14329
## 1.3659436 0.9965594 0.8329353 2.4230628 0.9729748 1.5696278 2.1892937
## 14330     14331     14332     14333     14334     14335     14336

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## 1.8096982 1.6078002 0.4068679 0.8541546 0.5069539 0.4238202 0.6549589
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## 0.5589141 0.3643570 0.7286473 0.5794990 0.5280717 0.6421947 0.5310815
## 14344 14345 14346 14347 14348 14349 14350
## 0.5261092 0.8745882 0.7883709 0.4800256 0.5049082 0.4228078 0.4700093
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## 14365 14366 14367 14368 14369 14370 14371
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## 14505 14506 14507 14508 14509 14510 14511

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## 0.2477803 0.2456072 0.3212311 0.2646071 0.2571963 0.2865212 0.2500590
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## 1.3132595 1.0195106 0.7877991 0.6087704 1.1215632 1.0324043 0.6178715
## 14652 14653 14654 14655 14656 14657 14658
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## 14659 14660 14661 14662 14663 14664 14665
## 0.3291000 0.5281314 0.5281314 1.4828821 1.4828821 0.3390625 0.3390625
## 14666 14667 14668 14669 14670 14671 14672
## 0.8213496 0.8213496 0.5684567 0.5684567 1.3227670 1.3227670 0.6595542
## 14673 14674 14675 14676 14677 14678 14679
## 0.6595542 0.6561248 0.6561248 0.5844648 0.3931270 0.3089506 1.5699508
## 14680 14681 14682 14683 14684 14685 14686

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## 0.8047000 1.6529551 0.5153789 0.8390152 1.3963912 0.5403020 0.5456197
## 14687     14688     14689     14690     14691     14692     14693
## 0.6147433 2.1015390 1.4198347 0.6479712 0.7948199 0.4872559 1.2596607
## 14694     14695     14696     14697     14698     14699     14700
## 0.3496609 0.7616849 0.5332473 1.0359979 0.4798717 0.3676357 1.2526073
## 14701     14702     14703     14704     14705     14706     14707
## 1.2526073 0.4018692 0.4018692 0.3613164 0.3613164 0.8104356 0.4688083
## 14708     14709     14710     14711     14712     14713     14714
## 0.4076545 0.5294183 0.3300847 0.2826531 0.5650183 0.3888428 0.2879334
## 14715     14716     14717     14718     14719     14720     14721
## 1.8440107 0.7439261 0.7061999 0.8403613 0.5062286 0.4529804 0.3896849
## 14722     14723     14724     14725     14726     14727     14728
## 0.9117753 0.3309230 0.3194950 0.5691726 0.5148374 0.8072763 0.3496056
## 14729     14730     14731     14732     14733     14734     14735
## 0.4639389 0.8717182 0.4164248 0.2885962 1.5382083 0.7486991 0.8335202
## 14736     14737     14738     14739     14740     14741     14742
## 1.0565864 0.5856086 0.4377379 0.4769469 0.4261908 0.9656757 0.4878939
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## 0.5113558 0.5311705 1.0899854 0.5009518 0.4845633 1.1791708 0.9756434
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## 0.5297496 1.1415348 0.4554261 0.9678478 1.1487913 0.4312008 0.3857324
## 14757     14758     14759     14760     14761     14762     14763
## 0.6514417 0.4798604 0.4208593 0.7716211 0.8754256 0.4493888 0.3818106
## 14764     14765     14766     14767     14768     14769     14770
## 0.4198535 0.3070566 0.5717170 0.3404938 0.3121186 1.1189672 0.6780272
## 14771     14772     14773     14774     14775     14776     14777
## 0.5322975 1.1657009 0.7029791 0.3848435 0.9143545 0.5441449 0.4903904
## 14778     14779     14780     14781     14782     14783     14784
## 0.8297060 0.3992928 0.3074197 1.0564748 0.5544512 1.2407929 0.4011581
## 14785     14786     14787     14788     14789     14790     14791
## 0.7051763 0.4366475 0.8861317 0.4700591 0.3705313 1.5589261 0.7874810
## 14792     14793     14794     14795     14796     14797     14798
## 0.5041059 1.1397624 0.5713450 0.4007658 1.3337581 0.8202367 1.3606323
## 14799     14800     14801     14802     14803     14804     14805
## 0.4159383 1.5813201 0.9155709 0.8868446 0.5264931 0.6302728 1.3795142
## 14806     14807     14808     14809     14810     14811     14812
## 0.4784264 0.3441522 0.8745171 1.1277399 0.3936004 0.7290882 0.3106414
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## 0.3229854 0.8560987 0.5014809 1.5520486 1.0776637 0.7544152 0.5109438
## 14827     14828     14829     14830     14831     14832     14833
## 0.5986097 1.3143032 0.3548914 0.5476659 0.4622729 1.9804420 0.8552201
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## 0.8532894 0.5121187 0.4384929 0.3814018 1.6283135 1.1976758 1.6831674
## 14841     14842     14843     14844     14845     14846     14847

## 0.6951890 1.2229555 0.3650958 1.1038767 1.0405883 0.4391926 1.9655365
## 14848     14849     14850     14851     14852     14853     14854
## 1.0405883 0.4011895 0.3122514 0.7443460 0.4011895 0.3908889 1.0255611
## 14855     14856     14857     14858     14859     14860     14861

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## 0.4429281 0.3908889 0.6622231 0.4563141 1.2807776 1.0000133 0.8677882
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## 0.4943826 0.5771274 1.3875713 0.3285182 0.5659278 0.7221765 1.0011671
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## 14897 14898 14899 14900 14901 14902 14903
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## 15772      15773     15774      15775      15776      15777      15778
## 1.1564240 0.8962834 0.7422797 1.7009021 1.5924313 1.5373343 1.0870238
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## 15891      15892     15893      15894      15895      15896      15897

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## 16780 16781 16782 16783 16784 16785 16786

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## 0.5688127 0.3804106 0.4069936 0.3176484 1.3292234 0.5015558 0.2909132
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## 0.9379722 0.4220582 0.3037806 0.3925034 0.3146515 0.2712849 0.4638097
## 16794     16795     16796     16797     16798     16799     16800
## 0.2789453 0.4892590 0.3226319 0.3091445 0.3122726 0.4806612 0.3288369
## 16801     16802     16803     16804     16805     16806     16807
## 0.2784146 1.1199663 0.3439981 0.3998346 0.7355717 0.3089750 0.2998640
## 16808     16809     16810     16811     16812     16813     16814
## 0.8390728 0.4787669 0.3325757 1.1462133 0.3214348 0.3451322 0.7851348
## 16815     16816     16817     16818     16819     16820     16821
## 0.3206378 0.3007077 0.5996380 0.3018688 0.2924301 0.3282712 0.2677566
## 16822     16823     16824     16825     16826     16827     16828
## 0.2654178 0.2814412 0.2490026 0.2716863 0.2457541 0.2538358 0.2541195
## 16829     16830     16831     16832     16833     16834     16835
## 0.2821040 0.2608452 0.2474470 0.2959954 0.2658813 0.2498180 0.3365554
## 16836     16837     16838     16839     16840     16841     16842
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## 0.4130928 0.2897522 0.4111322 0.4620533 0.3097519 0.2764928 0.3006230
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## 16885     16886     16887     16888     16889     16890     16891
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## 16892     16893     16894     16895     16896     16897     16898
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## 16899     16900     16901     16902     16903     16904     16905
## 0.2785969 0.2699522 0.3243497 0.3048596 0.2712140 0.3927067 0.2600118
## 16906     16907     16908     16909     16910     16911     16912
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## 16913     16914     16915     16916     16917     16918     16919
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## 16927     16928     16929     16930     16931     16932     16933
## 0.2571493 0.3808139 0.3031440 0.2597056 0.3143425 0.2707136 0.9707820
## 16934     16935     16936     16937     16938     16939     16940
## 0.2610937 0.3818006 0.3281584 0.2825042 0.2643056 0.2586172 0.3084398
## 16941     16942     16943     16944     16945     16946     16947

## 0.2637223 0.2601098 0.2981789 0.2716272 0.2508215 0.4043185 0.3189228
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## 0.3421609 0.2617828 0.3495753 0.2721535 0.2462663 0.2999111 0.2775357
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## 0.3495875 0.3083233 0.2923430 0.2958220 0.2578040 0.2456333 0.3964056
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## 17844     17845     17846     17847     17848     17849     17850
## 0.7539516 0.4303758 1.5890682 0.5302107 0.3106182 1.6521769 0.6730876
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## 17858     17859     17860     17861     17862     17863     17864
## 0.2784449 0.3753896 0.2964847 0.9802502 0.4323257 0.3156627 0.6243113
## 17865     17866     17867     17868     17869     17870     17871
## 0.3561376 0.2941980 0.7935487 0.4977242 0.8285378 0.3059836 0.4495203
## 17872     17873     17874     17875     17876     17877     17878
## 0.3064162 1.2324246 0.3825201 0.6530498 0.3812762 0.4596606 0.2881977
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## 17886     17887     17888     17889     17890     17891     17892
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## 17893     17894     17895     17896     17897     17898     17899
## 0.4409255 0.5536549 0.5663533 1.8038018 0.4009574 0.4683181 0.8910847
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## 17984     17985     17986     17987     17988     17989     17990
## 0.7063870 0.5917902 0.4326008 0.3450311 0.2903827 0.6261057 0.2945846
## 17991     17992     17993     17994     17995     17996     17997

## 0.3445250 0.2665326 1.9717377 0.7384201 0.5301345 1.4865231 0.8007999
## 17998     17999     18000     18001     18002     18003     18004
## 0.3680269 1.5531929 1.7563919 0.9871164 2.0189888 0.4797985 0.7128749
## 18005     18006     18007     18008     18009     18010     18011

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## 0.3297596 0.4399131 0.3621698 1.6047602 0.8722565 0.6296559 0.6579981
## 18012 18013 18014 18015 18016 18017 18018
## 0.3249709 0.2931196 0.7871381 0.4857757 0.3188914 0.4284807 0.3369477
## 18019 18020 18021 18022 18023 18024 18025
## 0.2776310 0.8216715 0.4941136 0.3165662 0.9564718 0.3774662 0.2941555
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## 0.6340539 0.4214898 0.5546406 0.2790201 0.3898949 0.2815821 0.5963796
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## 0.5744135 0.3294676 0.3865880 0.2643945 0.3656961 0.5546406 0.3989147
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## 1.7955981 1.5107170 1.5684607 2.2722768 0.9039721 1.9198101 0.4842533
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## 1.7328190 1.7015756 2.2479328 2.2592934 1.2864393 1.1885593 2.7819777
## 18901     18902     18903     18904     18905     18906     18907
## 0.8086937 2.1285369 0.4174660 1.7845298 1.0384549 2.0320619 0.9010726
## 18908     18909     18910     18911     18912     18913     18914
## 2.0642964 0.6826834 1.7297065 0.5897869 0.9507017 0.6588801 2.1050721
## 18915     18916     18917     18918     18919     18920     18921
## 2.1241725 1.1166362 1.7724009 1.6340821 0.9709611 1.4238104 1.4251566
## 18922     18923     18924     18925     18926     18927     18928
## 0.3287426 0.8123511 2.0135055 0.4840619 0.4069514 0.3305298 1.2996193
## 18929     18930     18931     18932     18933     18934     18935
## 1.7956667 0.3914155 0.3377302 0.8365366 0.7911107 0.7240956 2.5416769
## 18936     18937     18938     18939     18940     18941     18942
## 1.5744647 1.2791242 2.0078146 1.9983037 0.8642726 1.0890522 2.3966078
## 18943     18944     18945     18946     18947     18948     18949
## 2.1689648 1.7862557 1.8646984 0.5124086 1.7847060 0.4252264 1.8226485
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## 0.7747326 1.3854139 0.5711708 1.4887947 1.0307401 0.3941034 0.4896395
## 18957     18958     18959     18960     18961     18962     18963
## 0.3892925 1.3304914 2.2610858 1.1577662 1.3592767 2.1205654 1.0987272
## 18964     18965     18966     18967     18968     18969     18970
## 2.1902239 0.3726167 2.1507125 0.5587994 1.1361250 0.3693305 1.6081791
## 18971     18972     18973     18974     18975     18976     18977
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## 18978     18979     18980     18981     18982     18983     18984
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## 18985     18986     18987     18988     18989     18990     18991
## 0.7711036 1.2772020 2.0830520 0.6131751 2.2376897 0.6361697 0.9367422
## 18992     18993     18994     18995     18996     18997     18998
## 1.2505277 2.1661810 0.4580739 0.5067694 1.4446805 2.2925288 1.3702649
## 18999     19000     19001     19002     19003     19004     19005
## 1.6337236 1.6265111 2.0490593 1.5549240 2.1194986 0.3480962 0.5662529
## 19006     19007     19008     19009     19010     19011     19012
## 2.0446853 2.1885815 1.6506772 0.3490258 1.0679682 0.9257769 1.1086927
## 19013     19014     19015     19016     19017     19018     19019
## 0.3589030 0.8988080 0.5430324 1.9406790 1.3706603 0.8632284 2.1849488
## 19020     19021     19022     19023     19024     19025     19026
## 1.3075346 1.2308855 2.2939878 1.1842219 0.4412701 2.5863657 1.4872310
## 19027     19028     19029     19030     19031     19032     19033
## 0.8946921 2.0422253 1.0804363 1.1948448 2.4959365 1.9193483 2.5860698
## 19034     19035     19036     19037     19038     19039     19040
## 2.1224915 0.6530535 2.1495560 1.4424539 0.5918758 0.8073240 1.8314455
## 19041     19042     19043     19044     19045     19046     19047

## 1.4018445 1.3188614 2.4280732 2.4946865 1.4152944 2.0058705 1.4290694
## 19048     19049     19050     19051     19052     19053     19054
## 0.7213658 1.4754455 1.0491884 1.3768830 2.6170121 1.1791555 2.4101078
## 19055     19056     19057     19058     19059     19060     19061

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## 19097 19098 19099 19100 19101 19102 19103
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## 0.7030481 1.3155155 0.5717680 0.7715049 0.6855811 0.9286894 0.7794052
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## 19230 19231 19232 19233 19234 19235 19236

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## 1.3624282 0.7573316 0.9518400 0.5368941 0.5808594 1.3500242 0.5406670
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## 0.3217549 1.2497955 0.8192877 0.5032191 1.3027228 0.7914838 0.4769460
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## 0.4702203 0.7099953 0.5358113 0.7311019 0.9446638 0.4573876 1.8989195
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## 19321 19322 19323 19324 19325 19326 19327
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## 0.5854889 0.9180413 0.3374114 0.6611338 0.8622293 0.3547571 0.4475562
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## 19356 19357 19358 19359 19360 19361 19362
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## 19363 19364 19365 19366 19367 19368 19369
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## 19370 19371 19372 19373 19374 19375 19376
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## 1.0419568 0.7358579 1.3845456 0.7070732 0.8051349 1.2807852 0.9753322
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## 1.3005611 1.0402351 0.4157998 0.8195046 0.4035111 0.7114498 0.3468045
## 19398 19399 19400 19401 19402 19403 19404
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## 19405 19406 19407 19408 19409 19410 19411

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## 0.6315847 0.7640559 0.4090058 0.5254542 1.7154673 0.5840095 0.4966537
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## 0.4609916 0.3878222 0.7621689 0.8981728 0.8329739 1.5654930 0.7985300
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## 1.5453651 0.7808513 0.6479961 0.9387987 0.5407988 1.3130826 0.8513295
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## 1.0157240 1.0413664 1.3115033 0.4989579 0.8248300 0.7756741 1.0151715
## 19447 19448 19449 19450 19451 19452 19453
## 0.3689822 0.6822051 0.8200604 1.3995343 0.3916111 1.2476882 0.7961247
## 19454 19455 19456 19457 19458 19459 19460
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## 1.4359756 1.5841694 1.6393291 0.9305568 0.8409965 0.5806981 0.6683333
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## 0.5940177 0.3364369 0.8896619 0.7110896 0.3770437 1.2305643 0.5755520
## 19482 19483 19484 19485 19486 19487 19488
## 0.3823154 1.1667386 0.5926224 0.6559334 1.5412650 1.2141589 0.5635172
## 19489 19490 19491 19492 19493 19494 19495
## 0.9288525 0.7128683 1.2114822 0.3725843 0.5604500 1.6308200 0.3162148
## 19496 19497 19498 19499 19500 19501 19502
## 1.5462480 1.1696685 0.4243610 0.9972128 0.8015036 0.8841813 1.0538875
## 19503 19504 19505 19506 19507 19508 19509
## 0.5866325 0.3184375 1.1525280 0.9817347 0.8244409 1.5495605 0.5596589
## 19510 19511 19512 19513 19514 19515 19516
## 0.5306139 1.5375015 0.9165911 0.6021023 0.9911282 0.9683163 0.9997191
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## 1.1193485 0.3303531 0.9261591 0.2859007 0.7006366 1.1342829 0.5072727
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## 0.3342815 0.4664806 1.1596966 0.7833197 1.6539652 0.3754771 0.8215653
## 19573 19574 19575 19576 19577 19578 19579
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## 19580 19581 19582 19583 19584 19585 19586

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## 1.0442333 0.6104265 0.6047704 1.3767301 0.6776225 1.1641895 0.4269222
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## 19594 19595 19596 19597 19598 19599 19600
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## 1.2883654 0.6378865 0.6273378 0.9939790 1.4370716 0.6170307 0.4949327
## 19608 19609 19610 19611 19612 19613 19614
## 1.0780563 0.5736416 0.4908638 0.9930330 0.9337371 1.7735712 1.3142768
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## 19629 19630 19631 19632 19633 19634 19635
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## 0.7731979 2.1136822 1.3517757 0.7468294 1.2988908 0.8165848 0.7490890
## 19643 19644 19645 19646 19647 19648 19649
## 1.2703735 1.1929002 0.8114982 0.6609960 0.6540764 0.6667215 1.3536651
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## 19671 19672 19673 19674 19675 19676 19677
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## 0.3086151 1.3984727 0.8540444 0.6122570 1.4454133 1.0199056 1.1814364
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## 0.7650481 1.2783529 0.7576908 0.4149612 1.5864777 0.8056032 1.0900876
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## 0.5325860 0.7246600 1.1693893 0.9004834 0.7920748 0.6603568 0.7491921
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## 19755 19756 19757 19758 19759 19760 19761

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##	1.3410679	0.7966310	0.6905912	1.5980717	1.5653535	0.7571789	1.8827145
##	19762	19763	19764	19765	19766	19767	19768
##	1.5128125	1.5887524	1.7577044	0.9458323	0.4506350	0.8694742	0.5695214
##	19769	19770	19771	19772	19773	19774	19775
##	1.4019453	0.3614545	0.6692662	0.3432046	1.4908242	0.9075201	0.5786218
##	19776	19777	19778	19779	19780	19781	19782
##	1.4645351	1.5208691	0.7237867	1.4608137	0.7210825	1.0041576	1.4324530
##	19783	19784	19785	19786	19787	19788	19789
##	1.7315657	0.9432539	1.0449946	0.5753913	1.3859936	1.1135977	1.3895352
##	19790	19791	19792	19793	19794	19795	19796
##	0.5688833	1.6833233	0.9212544	0.8416717	0.2400117	0.2405914	0.2454523
##	19797	19798	19799	19800	19801	19802	19803
##	0.2426572	0.2390357	0.2392960	0.2485947	0.2392960	0.2382550	0.2382550
##	19804	19805	19806	19807	19808	19809	19810
##	0.2414951	0.2387755	0.2382550	0.2497973	0.2394912	0.2385152	0.2382550
##	19811	19812	19813	19814	19815	19816	19817
##	0.2382550	0.2382550	0.2432739	0.2387234	0.2395042	0.2386453	0.2382550
##	19818	19819	19820	19821	19822	19823	19824
##	0.2382550	0.2382550	0.2382550	0.2382550	0.2387104	0.2382550	0.2382550
##	19825	19826	19827	19828	19829	19830	19831
##	0.2384501	0.2382550	0.2382550	0.2382550	0.2382550	0.2390357	0.2415732
##	19832	19833	19834	19835	19836	19837	19838
##	0.2449175	0.2385152	0.2449175	0.2382550	0.2382550	0.2391919	0.2382550
##	19839	19840	19841	19842	19843	19844	19845
##	0.2382550	0.2382550	0.2415082	0.2382550	0.2382550	0.2382550	0.2382550
##	19846	19847	19848	19849	19850	19851	19852
##	0.2382550	0.2454380	0.2382550	0.2382550	0.2382550	0.2382550	0.2382550
##	19853	19854	19855	19856	19857	19858	19859
##	0.2382550	0.2382550	0.2382550	0.2385152	0.2382550	0.2382550	0.2386453
##	19860	19861	19862	19863	19864	19865	19866
##	0.2382550	0.2382550	0.2382550	0.2382550	0.2382550	0.2400767	0.2382550
##	19867	19868	19869	19870	19871	19872	19873
##	0.2382550	0.2411971	0.2385152	0.2385152	0.2386453	0.2382550	0.2382550
##	19874	19875	19876	19877	19878	19879	19880
##	1.5080640	0.6271117	0.4581903	1.1347345	0.4062578	0.4494745	1.3246726
##	19881	19882	19883	19884	19885	19886	19887
##	0.3937796	0.3424549	1.1517381	0.5362543	0.3881539	0.7374779	0.3469554
##	19888	19889	19890	19891	19892	19893	19894
##	0.3142748	1.2046844	0.3850434	0.2990108	1.5537036	0.4195474	0.2848789
##	19895	19896	19897	19898	19899	19900	19901
##	0.5883324	0.3388652	0.2836778	0.8570986	1.2290099	0.3983334	0.6892679
##	19902	19903	19904	19905	19906	19907	19908
##	0.3844413	0.4549144	0.9433539	0.7810872	0.3978445	0.8681011	0.4532110
##	19909	19910	19911	19912	19913	19914	19915
##	0.3973073	0.3317190	0.2628485	0.2575993	1.5340539	0.4709632	0.3463776
##	19916	19917	19918	19919	19920	19921	19922
##	0.6565653	0.4052625	0.3504572	1.1862595	0.8851637	0.4177292	1.0035985
##	19923	19924	19925	19926	19927	19928	19929
##	0.4233485	0.3234682	0.5106300	0.4232197	0.2940246	1.0641539	0.7522104
##	19930	19931	19932	19933	19934	19935	19936

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## 0.4134101 0.5303476 0.3762858 0.3037233 1.6218837 0.7871324 0.4070397
## 19937 19938 19939 19940 19941 19942 19943
## 2.3216466 0.9897900 0.5090630 1.9522170 0.8626516 0.3726543 0.7920584
## 19944 19945 19946 19947 19948 19949 19950
## 0.4619821 0.3528343 0.8743636 0.4389406 0.3714146 0.9327176 0.3201312
## 19951 19952 19953 19954 19955 19956 19957
## 1.0104171 0.3161888 0.4698196 0.6914017 1.0518796 0.3967350 0.3509398
## 19958 19959 19960 19961 19962 19963 19964
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## 0.3713068 1.8774217 0.5758579 0.2989107 1.0239899 0.2992515 0.2904142
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## 0.2914711 2.1414923 0.3197449 0.9397828 0.5066044 0.4023214 0.5715088
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## 0.3624743 0.7060646 0.3654806 0.3261786 1.0664700 0.2701063 0.2435707
## 20994      20995      20996      20997      20998      20999      21000
## 1.2700519 1.7741366 0.8474248 1.6455041 0.8451388 0.4392604 1.0124030
## 21001      21002      21003      21004      21005      21006      21007
## 0.7482589 0.5084951 0.5544566 0.3016747 0.2744024 1.9570278 0.2509169
## 21008      21009      21010      21011      21012      21013      21014
## 0.2620826 0.9408409 0.2452239 0.5702534 1.6033485 2.3046166 0.9627103
## 21015      21016      21017      21018      21019      21020      21021
## 0.6199200 0.9174489 1.3278852 0.3934069 0.8933364 0.3240358 0.5842950
## 21022      21023      21024      21025      21026      21027      21028
## 0.3826977 0.3557995 1.5784983 0.8962792 0.4213376 2.4241973 0.6035058
## 21029      21030      21031      21032      21033      21034      21035
## 0.5363311 0.3284645 0.9082142 0.3128303 0.3128303 0.3598315 0.6033971
## 21036      21037      21038      21039      21040      21041      21042
## 0.2933429 0.2933429 0.2953323 0.4186785 0.2475965 0.2475965 0.5481512
## 21043      21044      21045      21046      21047      21048      21049
## 0.2721900 0.5261581 0.2941101 0.3526428 0.2593366 0.6702222 0.4477322
## 21050      21051      21052      21053      21054      21055      21056
## 0.3227821 0.9946579 0.6440100 0.8200750 0.3631164 0.6926760 0.4249523
## 21057      21058      21059      21060      21061      21062      21063
## 0.4195182 0.2737045 0.3778632 0.2700355 0.3184600 0.2855358 0.4144878
## 21064      21065      21066      21067      21068      21069      21070
## 0.2843198 0.8182971 0.2716821 0.5144131 0.3645139 0.7734897 0.4377296
## 21071      21072      21073      21074      21075      21076      21077
## 0.6293314 0.3131366 0.5157494 0.9356369 1.1859313 0.3142865 0.3597644
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## 0.4519072 0.3151929 0.4993523 0.8599961 0.5181260 0.3564485 1.1876092
## 21085      21086      21087      21088      21089      21090      21091
## 0.4363676 0.3469408 0.6473054 0.3309336 0.8077566 0.3218099 0.4046906
## 21092      21093      21094      21095      21096      21097      21098
## 0.7172746 0.3172165 0.3382889 0.3354368 0.2892709 1.4616417 0.8673408
## 21099      21100      21101      21102      21103      21104      21105
## 0.8366639 0.3482405 1.0962781 0.3858628 0.4181649 0.2944878 0.4528086
## 21106      21107      21108      21109      21110      21111      21112
## 0.3709806 0.3295906 0.4505568 0.3513497 1.1828159 0.7089115 0.2927117
## 21113      21114      21115      21116      21117      21118      21119
## 0.3341853 0.5624175 0.2625912 0.3328735 0.2419909 0.3173631 1.0100180
## 21120      21121      21122      21123      21124      21125      21126
## 0.4448894 0.4285418 0.6489457 1.5736100 0.5586547 0.4507042 0.2767927
## 21127      21128      21129      21130      21131      21132      21133
## 0.3141433 0.7919996 0.3295010 0.3511618 1.5778641 1.0446146 0.5413087
## 21134      21135      21136      21137      21138      21139      21140
## 0.6877827 0.2859827 1.0812708 0.2726648 0.4241600 0.3871229 0.5461300
## 21141      21142      21143      21144      21145      21146      21147

## 0.3549882 0.3283788 0.5816896 0.3017360 0.4737825 0.3508635 0.3365123
## 21148      21149      21150      21151      21152      21153      21154
## 0.2890596 0.9670641 0.5423519 0.3092860 0.9446273 0.4661908 1.1672133
## 21155      21156      21157      21158      21159      21160      21161

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## 0.3971205 0.4955893 0.4522195 0.6345838 0.4026171 0.3722345 0.6694889
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## 0.9440223 0.3971654 0.3789391 0.3190336 0.3664581 1.1392106 0.6935625
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## 0.4322564 0.3501686 0.3231589 0.3069068 0.6618181 0.3470766 0.2973695
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## 0.5592752 1.1727025 0.9693353 0.6968043 1.2008713 0.8463742 0.5148874
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## 0.5751588 0.4205479 0.4487158 0.6058695 0.3466335 0.3427136 0.3577330
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## 0.2995832 0.2718175 0.2738029 0.3437089 0.6094874 0.3127182 0.3084295
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## 0.3161782 0.3031134 0.2920446 0.2870825 0.2839160 0.3411129 0.2764368
## 21351 21352 21353 21354 21355 21356 21357
## 0.2756755 0.8077754 0.5462212 0.4525316 0.3597204 0.3597204 0.3250777
## 21358 21359 21360 21361 21362 21363 21364
## 0.3250777 0.3122647 0.3122647 0.7267216 0.6267035 0.3680600 0.4543648
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## 0.3520027 0.5764263 0.3284369 0.2966026 0.6744286 0.4862105 0.2967650
## 21386 21387 21388 21389 21390 21391 21392
## 0.5006534 0.7603220 1.0446146 0.5131682 0.3397043 0.3441659 0.4380568
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## 0.3647290 0.6180177 0.9563767 0.4688896 0.9019964 0.4181980 0.3032584
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## 0.4706375 0.3465887 0.4047647 0.3042595 0.3921837 0.4091805 0.5205849
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## 0.3478734 0.3006471 0.4598023 0.3389033 0.4682319 0.3487560 0.5625274
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## 0.3128146 0.4204611 0.4441904 0.3078993 0.4519261 0.3425430 0.5371990
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## 0.4781478 0.3147279 0.8273628 0.3771700 0.4825415 0.5742775 0.3785826
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## 0.3942838 0.3809631 0.8569954 0.6235263 0.4074130 0.4170283 0.4964944
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## 0.6601779 0.3815933 0.3340169 0.2897854 0.2702295 0.2950795 0.2740610
## 21498 21499 21500 21501 21502 21503 21504
## 0.4010651 0.3702206 0.3547694 0.3291668 0.4250111 0.4561492 0.3346160
## 21505 21506 21507 21508 21509 21510 21511

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## 0.2974639 0.3442040 0.2947342 0.2847126 0.2958676 0.2755181 0.6449667
## 21512    21513    21514    21515    21516    21517    21518
## 0.5274574 0.5011833 0.5235444 0.3920117 0.3308611 0.5540620 0.8125134
## 21519    21520    21521    21522    21523    21524    21525
## 0.5841010 0.4070083 0.3185723 0.3277738 0.5351582 0.9089415 0.3431408
## 21526    21527    21528    21529    21530    21531    21532
## 0.4364411 0.3720503 0.2947575 0.6529547 1.2253972 0.6130763 1.0622629
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## 0.5755003 0.4836209 0.5482356 0.3202299 0.2803988 0.2911683 0.6085519
## 21540    21541    21542    21543    21544    21545    21546
## 0.8775864 0.9524719 0.7048042 1.0314342 0.6117794 0.3964091 0.7008952
## 21547    21548    21549    21550    21551    21552    21553
## 0.2903471 0.4684609 0.2711051 0.5483915 1.5615097 0.9471542 0.7157129
## 21554    21555    21556    21557    21558    21559    21560
## 0.5859014 0.3176600 0.3037456 0.5132622 0.4778910 0.3276212 1.0977046
## 21561    21562    21563    21564    21565    21566    21567
## 1.0877990 0.9673510 0.9350169 0.7876385 0.5153898 0.6555019 0.6449020
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## 21575    21576    21577    21578    21579    21580    21581
## 1.4654242 0.9298094 0.6281796 0.6425757 0.3408341 0.5605870 1.3248553
## 21582    21583    21584    21585    21586    21587    21588
## 1.1823094 1.0088185 0.8560717 1.5451420 1.1372373 0.6384369 0.3609502
## 21589    21590    21591    21592    21593    21594    21595
## 0.3073943 0.3007600 0.3171081 0.3797785 1.9319741 0.9475995 0.5142121
## 21596    21597    21598    21599    21600    21601    21602
## 0.7332058 0.4772863 0.4148030 0.9615208 0.3824858 0.6360302 0.2944562
## 21603    21604    21605    21606    21607    21608    21609
## 0.2992807 0.7956639 0.3524434 0.3968997 0.4175144 1.5119488 0.6172555
## 21610    21611    21612    21613    21614    21615    21616
## 0.3431602 0.4396727 0.4278156 0.3034839 0.9181491 0.3927285 0.4082984
## 21617    21618    21619    21620    21621    21622    21623
## 2.3935288 0.7881905 1.1593175 0.4219133 0.6721536 1.5310305 0.3457638
## 21624    21625    21626    21627    21628    21629    21630
## 0.7065321 0.3616318 2.3418642 0.6821162 0.3788864 1.6544643 0.4861604
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## 0.3845181 0.5950912 0.3333173 0.3057382 2.5754826 0.8926699 1.2206705
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## 0.3815707 0.3995794 0.3156454 0.9268186 0.8744569 0.3395291 0.3667516
## 21645    21646    21647    21648    21649    21650    21651
## 0.3029582 0.2894488 1.1892602 0.7889988 0.3735076 1.1361364 1.7327139
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## 1.8152112 0.3992917 0.4820251 0.5278513 0.3303163 0.3100833 0.3438912
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## 1.1633677 0.4377431 0.3443901 1.1624795 0.3905044 0.3145720 0.9619662
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## 0.9884643 1.3726455 0.3142518 0.3582316 0.3828775 0.2894475 0.3593087
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## 0.3507422 1.9004481 0.7859095 0.4063334 0.5950457 0.3543814 0.3902733
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## 0.3166159 0.3096553 0.7326835 0.3240500 1.1210968 1.5540205 0.3293893
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## 0.3384508 1.1595800 0.4930825 0.3573971 0.2892329 0.3269338 0.3652128
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## 0.3066302 0.5087781 0.3046036 0.3117104 1.0868467 0.4034064 0.5149152
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## 0.3041749 0.3902066 0.3002200 2.0266232 1.8175983 0.9819448 0.4605950
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## 0.74244438 1.4439686 0.3801848 0.4775027 0.5278819 1.0311330 0.3643586
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## 21855 21856 21857 21858 21859 21860 21861

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## 1.4321778 1.1673096 0.3918195 0.4399974 0.6733630 0.4383690 0.3024479
## 21862 21863 21864 21865 21866 21867 21868
## 0.7373938 0.6543444 0.4211497 0.3750242 1.6661430 1.5833850 0.9657903
## 21869 21870 21871 21872 21873 21874 21875
## 2.3931198 0.8853545 0.3782704 1.9639188 1.4222976 1.1352178 1.4540225
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## 0.2835586 0.3119556 0.5582504 1.0323030 0.6960453 0.2960169 0.3799380
## 21974 21975 21976 21977 21978 21979 21980
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## 21981 21982 21983 21984 21985 21986 21987
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## 21988 21989 21990 21991 21992 21993 21994
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## 22002 22003 22004 22005 22006 22007 22008
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## 22009 22010 22011 22012 22013 22014 22015
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## 22989 22990 22991 22992 22993 22994 22995
## 0.7794272 0.3072914 0.3093034 0.4227642 0.4157368 0.7834297 0.2879187
## 22996 22997 22998 22999 23000 23001 23002
## 0.7391399 0.3125515 0.4870712 0.4188600 0.3498359 0.5542590 0.5236472
## 23003 23004 23005 23006 23007 23008 23009
## 0.3693136 0.2990791 0.3059769 0.3585162 0.3670233 0.2826714 0.5931550
## 23010 23011 23012 23013 23014 23015 23016
## 0.4873437 0.2933812 0.2725380 0.4802967 0.3502596 0.3535202 0.6993525
## 23017 23018 23019 23020 23021 23022 23023
## 0.3593041 0.2943657 0.2880931 0.7152816 0.3983403 0.6102788 0.3144780
## 23024 23025 23026 23027 23028 23029 23030
## 0.4427609 0.3021653 0.4098999 0.5930636 0.5009779 0.3204699 0.2745584
## 23031 23032 23033 23034 23035 23036 23037
## 0.3728963 0.3438796 0.4014048 0.3852096 0.2756513 0.2721200 0.2791611
## 23038 23039 23040 23041 23042 23043 23044
## 0.3181777 0.4047436 0.3104548 0.4685474 0.3389279 0.4603547 0.2947277
## 23045 23046 23047 23048 23049 23050 23051
## 0.3681931 0.2870041 0.6173393 0.2720923 0.3752545 0.5605677 0.3465177
## 23052 23053 23054 23055 23056 23057 23058
## 0.3774161 0.2698358 0.3592230 0.3737856 0.2809142 0.4943951 0.2628181
## 23059 23060 23061 23062 23063 23064 23065
## 0.2683709 0.7899248 0.3100254 0.6102788 0.3223684 0.4659340 0.4392624
## 23066 23067 23068 23069 23070 23071 23072
## 0.4098999 0.5098466 0.3307881 0.5907883 0.6013948 0.2979760 0.2745584
## 23073 23074 23075 23076 23077 23078 23079
## 0.4370142 0.3241010 0.3345536 0.4493022 0.4791533 0.2756513 0.3126361
## 23080 23081 23082 23083 23084 23085 23086

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## 0.2684256 0.2696631 0.5745833 0.3507839 0.3476967 0.7043232 0.5962541
## 23087    23088    23089    23090    23091    23092    23093
## 0.2717838 0.4081930 0.2809269 0.4162780 0.4834221 0.3465601 0.5394058
## 23094    23095    23096    23097    23098    23099    23100
## 0.2917315 0.3495737 0.3744227 0.2853846 0.6523189 0.2754840 0.3978177
## 23101    23102    23103    23104    23105    23106    23107
## 0.7686666 0.2739566 0.3023595 0.3826806 0.2961562 0.4397154 0.2974370
## 23108    23109    23110    23111    23112    23113    23114
## 0.3273163 0.7112366 0.3065150 0.4124055 0.4606535 0.4470070 0.8674583
## 23115    23116    23117    23118    23119    23120    23121
## 0.3015031 0.3543270 0.5942633 0.7374627 0.3714807 0.6168616 0.2750081
## 23122    23123    23124    23125    23126    23127    23128
## 0.3784175 0.3802113 0.3955872 0.3160231 0.3810075 0.3582656 0.2792453
## 23129    23130    23131    23132    23133    23134    23135
## 0.2589449 0.5521783 0.2661587 0.4062939 0.5252927 0.3479128 0.3924805
## 23136    23137    23138    23139    23140    23141    23142
## 0.5521778 0.7270541 0.4238300 0.7809166 0.3655200 0.3065242 0.5380258
## 23143    23144    23145    23146    23147    23148    23149
## 0.3697264 0.4877670 0.3239621 0.4840359 0.5379581 0.3039064 0.3534097
## 23150    23151    23152    23153    23154    23155    23156
## 0.2893787 0.7906826 0.4560042 0.3068288 0.6395120 0.2767153 0.3452499
## 23157    23158    23159    23160    23161    23162    23163
## 0.3807228 0.2671113 0.2780516 0.4667251 0.4000259 0.5788431 0.2946732
## 23164    23165    23166    23167    23168    23169    23170
## 0.4811011 0.7392806 0.5521783 0.6557408 0.3422544 0.2777458 0.6150114
## 23171    23172    23173    23174    23175    23176    23177
## 0.3080904 0.3847019 0.4383837 0.4062939 0.5718776 0.3478810 0.2814347
## 23178    23179    23180    23181    23182    23183    23184
## 0.4046159 0.3479128 0.4214709 0.3139595 0.5204149 0.6291860 0.5366784
## 23185    23186    23187    23188    23189    23190    23191
## 0.5907883 0.4324028 0.7103400 0.6503557 0.3543588 0.4693468 0.8925058
## 23192    23193    23194    23195    23196    23197    23198
## 0.3104284 0.4358082 0.5240544 0.4533413 0.3579333 0.4493607 0.5737946
## 23199    23200    23201    23202    23203    23204    23205
## 0.3363021 0.4718950 0.4321406 0.3113141 0.5076668 0.3534112 0.4533883
## 23206    23207    23208    23209    23210    23211    23212
## 0.3314383 0.2732426 0.4237757 0.2732090 0.4404938 0.5356640 0.6523189
## 23213    23214    23215    23216    23217    23218    23219
## 0.2922350 0.3270837 0.3350968 0.3755318 0.3826806 0.5244740 0.3133593
## 23220    23221    23222    23223    23224    23225    23226
## 0.3559368 0.3273163 0.7157726 0.8085942 0.4156786 0.5007410 0.7125736
## 23227    23228    23229    23230    23231    23232    23233
## 0.5459732 1.1113045 0.4906119 0.4087990 0.2891687 0.4518704 0.3831098
## 23234    23235    23236    23237    23238    23239    23240
## 0.4372188 0.3614892 0.5183049 0.3629843 0.3310842 0.3034509 0.4302040
## 23241    23242    23243    23244    23245    23246    23247

## 0.2983214 0.3162570 0.2960322 0.3267423 0.4799164 0.4075604 0.2868982
## 23248    23249    23250    23251    23252    23253    23254
## 0.5605677 0.3537077 0.4766549 0.2995938 0.7335904 0.3914377 0.2851190
## 23255    23256    23257    23258    23259    23260    23261

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## 0.3784181 0.7350064 0.3652410 0.4031813 0.3253903 0.3671583 0.5713140
## 23262 23263 23264 23265 23266 23267 23268
## 0.4323441 0.3437956 0.3163227 0.2799615 0.3671550 0.3198874 0.5418547
## 23269 23270 23271 23272 23273 23274 23275
## 0.3077884 0.3748824 0.4775112 0.4560042 0.4493607 0.5342455 0.7248003
## 23276 23277 23278 23279 23280 23281 23282
## 0.2856984 0.3110460 0.3396962 0.3536873 0.4720495 0.7237458 0.3380158
## 23283 23284 23285 23286 23287 23288 23289
## 0.3734206 0.4006329 0.2756335 0.2697299 0.2936966 0.3268640 0.6523189
## 23290 23291 23292 23293 23294 23295 23296
## 0.4342526 0.5107827 0.2728891 0.2994715 0.6745126 0.8038835 0.4629298
## 23297 23298 23299 23300 23301 23302 23303
## 0.3449557 0.2765855 0.5001700 0.3243598 0.4982748 0.3810605 0.4029838
## 23304 23305 23306 23307 23308 23309 23310
## 0.4064085 0.3055334 0.3788094 0.3691104 0.3345262 0.3197313 0.2847018
## 23311 23312 23313 23314 23315 23316 23317
## 0.5124451 0.7157726 0.7981516 0.6018905 0.3581508 0.3942607 0.5329649
## 23318 23319 23320 23321 23322 23323 23324
## 0.3545638 0.4856150 0.3722960 0.4925312 0.8091298 0.2804646 0.2997296
## 23325 23326 23327 23328 23329 23330 23331
## 0.3931144 0.4073952 0.3671287 0.2744859 0.3530894 0.3499011 0.4720495
## 23332 23333 23334 23335 23336 23337 23338
## 0.2951760 0.4677618 0.4832225 0.2703673 0.3108023 0.2960528 0.3268640
## 23339 23340 23341 23342 23343 23344 23345
## 0.7954397 0.6523189 0.3555101 0.4523677 0.2765855 0.5661148 0.3734849
## 23346 23347 23348 23349 23350 23351 23352
## 0.3119355 0.2739373 0.6973198 0.4438537 0.3398285 0.5202266 0.3780469
## 23353 23354 23355 23356 23357 23358 23359
## 0.4116211 0.3883953 0.5991258 0.3141999 0.3164911 0.5271112 0.6877642
## 23360 23361 23362 23363 23364 23365 23366
## 0.3887088 0.3728345 0.2765658 0.3798533 0.6017824 0.3726795 0.3582744
## 23367 23368 23369 23370 23371 23372 23373
## 0.2702969 0.6505189 0.2881460 0.3959187 0.5790861 0.4285726 0.3004751
## 23374 23375 23376 23377 23378 23379 23380
## 0.2947363 0.4945299 0.4030366 0.4964114 0.2764884 0.4002432 0.3175188
## 23381 23382 23383 23384 23385 23386 23387
## 0.2621986 0.3744225 0.3593846 0.3403346 0.3529913 0.3402761 0.2773005
## 23388 23389 23390 23391 23392 23393 23394
## 0.3090233 0.5913492 0.2931877 0.3423517 0.5462227 0.7403744 0.2974745
## 23395 23396 23397 23398 23399 23400 23401
## 0.5735100 0.5147332 0.4520050 0.7766727 0.5631240 0.4331265 0.6732662
## 23402 23403 23404 23405 23406 23407 23408
## 0.5379581 0.4679333 0.3753837 0.3930673 0.3200228 0.5196848 0.6322395
## 23409 23410 23411 23412 23413 23414 23415
## 0.3837093 0.2994752 0.3886428 0.3450382 0.3405365 0.2801405 0.2772894
## 23416 23417 23418 23419 23420 23421 23422
## 0.3763833 0.3711722 0.2882199 0.5500005 0.5240544 0.7515944 0.3012665
## 23423 23424 23425 23426 23427 23428 23429
## 0.2855808 0.2713417 0.2780195 0.3638163 0.3713160 0.4321406 0.4741659
## 23430 23431 23432 23433 23434 23435 23436

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## 0.3475497 0.2721703 0.2732426 0.3873732 0.2639244 0.5674831 0.7006914
## 23437 23438 23439 23440 23441 23442 23443
## 0.4053472 0.7416105 0.4562554 0.5953381 0.5026660 0.3013912 0.4679333
## 23444 23445 23446 23447 23448 23449 23450
## 0.4069654 0.3295431 0.9056487 0.3609816 0.3076714 0.3405365 0.3096170
## 23451 23452 23453 23454 23455 23456 23457
## 0.2793067 0.4047568 0.2765189 0.4685474 0.4429490 0.2713417 0.3357787
## 23458 23459 23460 23461 23462 23463 23464
## 0.6185259 0.3752545 0.4072455 0.4026100 0.4028256 0.7335904 0.2809142
## 23465 23466 23467 23468 23469 23470 23471
## 0.2706553 0.3379338 0.3260390 0.4140313 0.7496243 0.2928754 0.3099884
## 23472 23473 23474 23475 23476 23477 23478
## 0.4175961 0.4261022 0.3270564 0.4179717 0.6810288 0.3674407 0.3178265
## 23479 23480 23481 23482 23483 23484 23485
## 0.3852096 0.5132456 1.0938283 0.4419518 0.2794044 0.6247989 0.2615592
## 23486 23487 23488 23489 23490 23491 23492
## 0.5310778 0.3104548 0.4750774 0.4273181 0.4945299 0.3293127 0.3762215
## 23493 23494 23495 23496 23497 23498 23499
## 0.4497211 0.2720923 0.3291517 0.3400690 0.6516752 0.3466434 0.6357441
## 23500 23501 23502 23503 23504 23505 23506
## 0.3255777 0.2774743 0.4329413 0.3080095 0.5713140 0.5979211 0.4186545
## 23507 23508 23509 23510 23511 23512 23513
## 0.4648251 0.3669053 0.4116211 0.6390934 0.2886595 0.4108857 0.2849538
## 23514 23515 23516 23517 23518 23519 23520
## 0.4231337 0.3627752 0.5672148 0.2777998 0.3216211 0.4071379 0.3819050
## 23521 23522 23523 23524 23525 23526 23527
## 0.5607539 0.6810288 0.4089520 0.2774069 0.2822762 0.3952747 0.4302040
## 23528 23529 23530 23531 23532 23533 23534
## 0.3690520 0.4945299 0.5575900 0.3458512 0.3681931 0.4766549 0.2928624
## 23535 23536 23537 23538 23539 23540 23541
## 0.4137805 0.2949017 0.6357441 0.3593846 0.3896215 0.3439598 0.4747904
## 23542 23543 23544 23545 23546 23547 23548
## 0.3270775 0.3393246 0.2713173 0.5727181 0.2938924 0.3472684 0.5842082
## 23549 23550 23551 23552 23553 23554 23555
## 0.4102208 0.2937958 0.3094159 0.4324948 0.3967314 0.5825015 0.5975620
## 23556 23557 23558 23559 23560 23561 23562
## 0.4363882 0.5415893 0.2838819 0.3956739 0.3522318 0.3585730 0.7301082
## 23563 23564 23565 23566 23567 23568 23569
## 0.2803901 0.3603662 0.3575083 0.6739235 0.3101267 0.7531460 0.4364858
## 23570 23571 23572 23573 23574 23575 23576
## 0.3620816 0.4430490 0.4562723 0.4631674 0.5931550 0.3203741 0.6815471
## 23577 23578 23579 23580 23581 23582 23583
## 0.4720602 0.3343356 0.3502596 1.3085938 0.4725480 0.2781235 0.2943657
## 23584 23585 23586 23587 23588 23589 23590
## 1.2325456 0.6549508 0.9838612 0.3128665 0.6005811 0.5390278 0.3844483
## 23591 23592 23593 23594 23595 23596 23597
## 0.6197044 0.6008043 1.0998274 0.3651353 0.5631240 0.3245744 0.3306819
## 23598 23599 23600 23601 23602 23603 23604
## 0.5442141 0.8863710 0.5381085 1.6431644 0.3837093 0.2862516 0.9765177
## 23605 23606 23607 23608 23609 23610 23611

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## 0.3193482 1.0815019 0.4653723 0.4292681 0.5422423 0.2882199 0.3910363
## 23612    23613    23614    23615    23616    23617    23618
## 0.4128694 0.3175751 1.0304031 0.3473260 0.8668856 0.3023050 0.3301158
## 23619    23620    23621    23622    23623    23624    23625
## 0.4593991 0.6185259 0.4216884 1.0707612 0.9049663 0.2997298 0.4735812
## 23626    23627    23628    23629    23630    23631    23632
## 0.3596395 0.5959997 0.6993384 0.6925570 0.7726794 0.4020374 0.4754080
## 23633    23634    23635    23636    23637    23638    23639
## 0.4082272 0.5424036 0.4336930 0.7111902 0.7834297 0.5360791 0.5705796
## 23640    23641    23642    23643    23644    23645    23646
## 0.3542863 0.3207958 0.5331321 0.4188600 0.4008852 0.4965027 0.6363408
## 23647    23648    23649    23650    23651    23652    23653
## 0.3713860 0.3383095 0.9732481 0.5636276 0.2990791 0.4277939 0.2771463
## 23654    23655    23656    23657    23658    23659    23660
## 0.6054214 0.8731120 0.2822645 0.5020962 0.3945454 0.4610329 0.3208001
## 23661    23662    23663    23664    23665    23666    23667
## 0.3389279 0.3676726 0.4262887 0.7023822 0.8177985 0.3660603 0.2844687
## 23668    23669    23670    23671    23672    23673    23674
## 0.4582070 0.8971077 0.2887410 0.3465177 0.3027025 0.4372241 0.9287578
## 23675    23676    23677    23678    23679    23680    23681
## 0.2720922 0.4138636 0.2628181 0.2876596 0.3422297 0.3961401 0.6993384
## 23682    23683    23684    23685    23686    23687    23688
## 0.7008457 0.3877548 0.4295339 0.4960500 0.4524653 0.7391399 0.7434017
## 23689    23690    23691    23692    23693    23694    23695
## 0.3343795 0.3002348 0.5672148 0.4835650 0.3799743 0.4629312 0.5061167
## 23696    23697    23698    23699    23700    23701    23702
## 0.4024409 0.3172325 0.3032783 0.5362748 0.7399887 0.3618767 0.3683938
## 23703    23704    23705    23706    23707    23708    23709
## 0.3373818 0.2912604 0.2932154 0.4210657 0.4175599 0.2813172 1.1533669
## 23710    23711    23712    23713    23714    23715    23716
## 0.9740079 0.5521783 0.3318972 0.7048350 0.2776764 0.3225743 0.4569692
## 23717    23718    23719    23720    23721    23722    23723
## 0.5073800 0.4423032 0.2635208 0.4646623 0.4491039 0.4442875 0.3685732
## 23724    23725    23726    23727    23728    23729    23730
## 0.3776497 0.4217037 0.4989406 0.3945999 0.4005252 0.7834297 0.4952905
## 23731    23732    23733    23734    23735    23736    23737
## 0.2834597 0.5066335 0.5260477 0.6018905 0.3092160 0.4021240 0.3167228
## 23738    23739    23740    23741    23742    23743    23744
## 0.3467240 0.5380258 0.6034456 0.4618533 1.5976669 0.4154929 0.5077356
## 23745    23746    23747    23748    23749    23750    23751
## 0.2748056 0.2936607 0.3281739 0.3560829 0.6395120 0.3764515 0.5094476
## 23752    23753    23754    23755    23756    23757    23758
## 0.3288975 0.5692976 0.3030719 0.6810288 0.3655049 0.3962395 0.2739939
## 23759    23760    23761    23762    23763    23764    23765
## 0.4286628 0.2931775 0.3549264 0.7566029 0.4521614 0.6884596 0.4214698
## 23766    23767    23768    23769    23770    23771    23772

## 0.2793004 0.5721383 0.3255148 0.2882110 0.7136087 0.2709867 0.4155391
## 23773    23774    23775    23776    23777    23778    23779
## 0.3645784 0.2881162 0.9473010 0.4357943 0.2772375 0.4567182 0.3315361
## 23780    23781    23782    23783    23784    23785    23786

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## 0.7307084 0.3772734 0.5377226 0.3551395 0.6751103 0.3670409 0.5842082
## 23787 23788 23789 23790 23791 23792 23793
## 0.6581894 0.3645201 0.5074545 0.6694085 0.4363882 0.3678266 0.8674583
## 23794 23795 23796 23797 23798 23799 23800
## 0.3239522 0.5843876 0.6293927 0.5954350 0.2803901 0.4119432 0.6863817
## 23801 23802 23803 23804 23805 23806 23807
## 0.3530788 0.7796805 0.5949257 0.3782194 0.5557238 0.3403054 0.4685910
## 23808 23809 23810 23811 23812 23813 23814
## 0.3856777 1.0510486 0.3528540 0.3562488 0.3170079 0.3949843 0.2917398
## 23815 23816 23817 23818 23819 23820 23821
## 0.5605677 0.3774036 0.9084237 0.4071843 0.2929585 0.2736494 1.0427578
## 23822 23823 23824 23825 23826 23827 23828
## 0.7943739 0.4366032 0.3035308 0.4224692 0.3374683 0.4306626 0.6973198
## 23829 23830 23831 23832 23833 23834 23835
## 0.4131879 0.4267565 0.3385222 0.8161960 0.6306050 0.8769746 0.4209583
## 23836 23837 23838 23839 23840 23841 23842
## 0.9463053 0.3499403 0.4101626 0.5578651 0.6530032 0.3449124 0.5059755
## 23843 23844 23845 23846 23847 23848 23849
## 0.3607487 1.2048676 0.9654110 0.3429231 0.4873345 0.3645655 0.5050311
## 23850 23851 23852 23853 23854 23855 23856
## 0.4150685 0.4493607 0.3331215 0.7392806 0.4429490 0.3265019 0.5384554
## 23857 23858 23859 23860 23861 23862 23863
## 0.4139400 0.4814080 0.3907964 0.5128192 0.3042475 0.3063570 0.7152816
## 23864 23865 23866 23867 23868 23869 23870
## 0.6615780 0.2944261 0.4169881 0.4411891 0.4062983 0.3763553 0.6437052
## 23871 23872 23873 23874 23875 23876 23877
## 0.7434017 0.5975620 0.3098012 0.3571632 0.5298325 0.4076150 0.4693026
## 23878 23879 23880 23881 23882 23883 23884
## 0.8925058 0.4331346 0.6858038 0.2933992 0.7022238 0.4427947 0.3774728
## 23885 23886 23887 23888 23889 23890 23891
## 0.4081330 0.3453613 0.3097473 0.6241502 0.4832225 0.2938102 0.2994281
## 23892 23893 23894 23895 23896 23897 23898
## 0.3317190 0.5067464 0.3024940 1.4388140 0.4504746 0.7093156 0.6443616
## 23899 23900 23901 23902 23903 23904 23905
## 0.5338602 0.3956950 0.6694085 0.5975620 0.5907524 0.3535314 0.3689503
## 23906 23907 23908 23909 23910 23911 23912
## 0.3181010 0.4275197 0.4334458 0.5872998 0.3659656 1.0298596 0.2912068
## 23913 23914 23915 23916 23917 23918 23919
## 0.3123195 0.5081181 0.4136874 0.3258805 0.6858038 0.6834962 0.3245952
## 23920 23921 23922 23923 23924 23925 23926
## 0.4623273 0.4832225 0.4677618 0.6328930 0.5280781 0.3178599 0.3940068
## 23927 23928 23929 23930 23931 23932 23933
## 0.6065121 0.5474221 0.4671169 0.4629298 0.3143947 0.7337172 0.6925801
## 23934 23935 23936 23937 23938 23939 23940
## 0.4680849 0.3951918 0.4136054 0.7111902 0.4064085 0.4683560 0.5643856
## 23941 23942 23943 23944 23945 23946 23947
## 0.3080659 0.3573681 0.2847018 0.4289667 0.3592860 0.6105574 0.3300735
## 23948 23949 23950 23951 23952 23953 23954
## 0.4261022 1.0233794 0.4856150 0.5758032 0.5239265 0.3303476 0.5266279
## 23955 23956 23957 23958 23959 23960 23961

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## 0.4072760 0.3752398 0.7145609 0.3209702 0.4273348 0.2945647 0.4832225
## 23962 23963 23964 23965 23966 23967 23968
## 0.4429490 0.3613349 0.3456238 0.2856755 0.4133208 0.2822356 0.3744225
## 23969 23970 23971 23972 23973 23974 23975
## 0.4523677 0.4072455 0.7733464 0.5070850 0.3140848 0.2880382 0.3489650
## 23976 23977 23978 23979 23980 23981 23982
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## 0.3813198 0.3658481 0.5201336 0.4914287 0.3403071 0.4102978 0.5547187
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## 25019 25020 25021 25022 25023 25024 25025
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## 25166 25167 25168 25169 25170 25171 25172
## 0.3669668 0.4128829 0.3588455 0.4696657 0.5382482 0.4636485 0.3155898
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## 1.0617918 0.5016168 0.3541484 1.6545598 0.3104313 0.3726795 0.3629843
## 25194      25195      25196      25197      25198      25199      25200
## 0.2699633 1.4499606 0.5057539 0.5062494 0.3801731 0.6865992 0.5580436
## 25201      25202      25203      25204      25205      25206      25207
## 0.3025683 0.7023822 0.4888733 1.0054696 0.3322488 0.3115496 0.3754446
## 25208      25209      25210      25211      25212      25213      25214
## 0.3929961 0.8971077 0.4372241 0.9166949 0.4021686 0.4016283 0.3429946
## 25215      25216      25217      25218      25219      25220      25221
## 0.5385623 0.3884643 0.4373671 0.4448820 0.7403744 0.4893969 1.4814223
## 25222      25223      25224      25225      25226      25227      25228
## 0.3261069 0.5092030 1.1892297 0.6595829 0.5733371 0.3341683 0.4714253
## 25229      25230      25231      25232      25233      25234      25235
## 1.9550972 0.3772355 1.4446369 0.3796346 0.7485933 0.3568694 0.6285168
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## 0.3292819 0.7073376 0.5827081 0.3111099 0.3266527 0.5614538 1.4877365
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## 0.4766542 0.3186541 0.3136773 0.5763662 0.9672708 0.3377742 0.2630788
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## 0.3718404 0.6399379 0.8130480 0.4898120 0.3381352 0.5009779 0.3173791
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## 25334      25335      25336      25337      25338      25339      25340
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## 25341      25342      25343      25344      25345      25346      25347

## 0.4516407 0.3834568 0.3851009 0.3152383 0.6797121 0.3266297 1.2763722
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## 0.3324764 0.6373822 0.6184356 1.1813240 0.5910147 0.5228512 0.4389311
## 25355      25356      25357      25358      25359      25360      25361

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## 0.5650840 1.3324800 0.3805766 0.3028865 0.5426430 0.5714789 0.3779548
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## 0.4302713 0.4686482 0.4973413 0.7754867 1.0707853 0.6923291 0.6846158
## 27063 27064 27065 27066 27067 27068 27069
## 0.3690410 0.8293194 0.6119390 0.4941553 0.6649974 0.6570923 0.3672629
## 27070 27071 27072 27073 27074 27075 27076
## 0.6166945 0.4999503 0.3390658 0.3962349 0.3314875 0.2899648 0.9983000
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## 0.6661443 0.4318718 1.2712893 0.7397862 0.3204727 0.4858921 0.3041095
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## 0.2899043 0.5494353 0.4551324 0.3106952 0.6178235 0.5537134 0.5815507
## 27091 27092 27093 27094 27095 27096 27097
## 0.6826495 0.4820871 0.2913727 1.1221534 0.6911443 0.4607385 0.8133524
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## 0.5017001 0.4630581 0.6936697 0.5509593 0.4791776 1.1123753 0.7026769
## 27105 27106 27107 27108 27109 27110 27111

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## 0.4418515 0.6363751 0.4574249 0.2775102 0.5163080 0.3820716 0.3383273
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## 1.4632600 1.4311038 2.0968624 1.5512226 1.2510952 2.2817394 1.3699354
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## 1.8914125 2.8823022 1.2983657 1.3354383 3.0370366 1.4649667 3.0590394
## 27294     27295     27296     27297     27298     27299     27300
## 1.1071720 1.2066613 1.2634839 3.0165761 1.2300434 1.6861651 2.9041027
## 27301     27302     27303     27304     27305     27306     27307
## 1.6309567 0.8906148 2.6116647 1.3240378 1.1515891 2.7496621 2.1803150
## 27308     27309     27310     27311     27312     27313     27314
## 2.4535244 3.2231412 1.1376204 0.9290058 2.9098212 1.9706962 1.2271507
## 27315     27316     27317     27318     27319     27320     27321
## 2.8937449 1.1983562 2.1767189 3.0390751 1.7647057 1.6804910 2.9914578
## 27322     27323     27324     27325     27326     27327     27328
## 1.3905573 1.2200581 2.7169594 1.2929155 1.1526612 2.9962395 1.8323281
## 27329     27330     27331     27332     27333     27334     27335
## 1.3174270 2.9300220 1.0627332 0.9848721 3.0571344 1.2006330 1.0491136
## 27336     27337     27338     27339     27340     27341     27342
## 2.9918286 1.9778856 2.5255487 2.0015019 1.5223868 1.5413126 2.9672750
## 27343     27344     27345     27346     27347     27348     27349
## 2.1567309 1.7855720 2.9708253 1.7656076 1.7159684 2.9776192 1.0143574
## 27350     27351     27352     27353     27354     27355     27356
## 1.9342383 2.9579500 1.9002072 1.6363946 2.9939017 2.3089538 1.7072638
## 27357     27358     27359     27360     27361     27362     27363
## 0.7520042 0.5745178 0.6683796 0.7746564 0.5543382 0.5629113 0.7531745
## 27364     27365     27366     27367     27368     27369     27370
## 0.5589711 0.5617240 0.7620524 0.6133886 0.5643349 0.8317596 0.6106107
## 27371     27372     27373     27374     27375     27376     27377
## 0.6337761 2.1890333 1.6102463 1.0763433 1.2060132 0.7193717 0.7193717
## 27378     27379     27380     27381     27382     27383     27384
## 0.5916412 0.4293431 0.4293431 0.6425465 0.5153764 0.5153764 2.1912617
## 27385     27386     27387     27388     27389     27390     27391
## 1.7205922 0.9009215 0.2792614 0.2450606 0.2410397 0.3739742 0.2573759
## 27392     27393     27394     27395     27396     27397     27398
## 0.2720582 0.2907929 0.2903127 0.2435772 0.2443580 0.2430567 0.2430567
## 27399     27400     27401     27402     27403     27404     27405
## 0.3535104 0.7081868 0.2615424 1.2653160 0.2590496 0.3989027 0.3461672
## 27406     27407     27408     27409     27410     27411     27412
## 0.5756396 0.3483381 0.3367766 0.4530023 0.6966504 0.6926915 0.3571683
## 27413     27414     27415     27416     27417     27418     27419
## 0.3416058 0.3319420 1.1001007 0.9177685 0.4121857 0.3140591 0.3033139
## 27420     27421     27422     27423     27424     27425     27426
## 0.2625109 0.2688263 1.0089058 0.3155841 0.3396710 0.3569050 0.6169431
## 27427     27428     27429     27430     27431     27432     27433
## 0.2707572 0.2610258 0.5700397 0.3723137 0.3043055 0.2815285 0.2577419
## 27434     27435     27436     27437     27438     27439     27440
## 0.2577696 0.5401903 0.3295636 0.3294855 0.3128702 0.2539804 0.2512027
## 27441     27442     27443     27444     27445     27446     27447

## 0.2484312 0.2382550 0.2382550 0.2473983 0.2473983 0.2398165 0.2398165
## 27448     27449     27450     27451     27452     27453     27454
## 0.2390357 0.2390357 0.2552148 0.2382550 0.2382550 0.2582598 0.2582598
## 27455     27456     27457     27458     27459     27460     27461

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## 0.2382550 0.2382550 0.2386453 0.2386453 0.2527122 0.2394261 0.2413780
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## 0.4498808 0.2405973 0.2445011 0.2386453 0.2483924 0.2394261 0.2523029
## 27469 27470 27471 27472 27473 27474 27475
## 0.2382550 0.2382550 0.2501747 0.2501747 0.2382550 0.2382550 0.2382550
## 27476 27477 27478 27479 27480 27481 27482
## 0.2382550 0.2505651 0.2444751 0.24443970 0.2421067 0.2421067 0.2382550
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## 27623 27624 27625 27626 27627 27628 27629
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## 27630 27631 27632 27633 27634 27635 27636

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## 0.6742905 0.9633781 0.8461663 0.9337628 0.6155585 1.1000694 1.1013277
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## 27679 27680 27681 27682 27683 27684 27685
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## 1.2337786 0.4626887 0.6653170 1.1724233 0.8627708 1.3147641 0.4184592
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## 27770 27771 27772 27773 27774 27775 27776
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## 0.9224854 1.1841418 1.1548205 0.7859164 0.8456480 0.7102446 0.5533228
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## 1.0598452 1.0125098 1.3131970 1.2433773 0.7172988 1.2679606 0.6100201
## 27798 27799 27800 27801 27802 27803 27804
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## 27805 27806 27807 27808 27809 27810 27811

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## 0.5918287 0.5961902 0.7131203 1.5334929 1.2369213 1.0493049 1.1038859
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## 0.5700448 0.4173516 1.5304939 1.0625119 0.5248876 1.6470030 1.0905135
## 27819      27820      27821      27822      27823      27824      27825
## 0.5250115 1.8014031 1.1023997 1.5232142 1.1911183 0.6298602 1.0443770
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## 0.7301028 1.5802854 0.4658405 0.4397241 1.0252677 0.6820486 0.4220178
## 27833      27834      27835      27836      27837      27838      27839
## 1.3353366 1.0429976 0.5248847 1.0422236 0.4981471 0.6988527 1.6271265
## 27840      27841      27842      27843      27844      27845      27846
## 1.2334513 0.5549106 0.5680330 1.0824795 0.4526719 1.9150633 0.3607189
## 27847      27848      27849      27850      27851      27852      27853
## 0.3658937 0.9578880 0.3823139 0.5797820 0.9594547 1.0663946 0.5317697
## 27854      27855      27856      27857      27858      27859      27860
## 1.0419833 0.4524646 0.7196472 1.0872015 0.5243661 0.6841068 1.1676124
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## 0.8846933 0.7307748 1.5755020 0.8381866 0.3485647 1.5391039 0.6410858
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## 0.6784337 1.6091399 1.0387635 0.5937440 1.0766294 0.7374110 0.4804295
## 27875      27876      27877      27878      27879      27880      27881
## 1.5748214 0.9453053 0.7747204 0.4079382 1.2307315 0.5193515 0.3715217
## 27882      27883      27884      27885      27886      27887      27888
## 1.1161793 0.8954305 1.5982630 0.6031574 0.4839964 1.1593760 1.6664255
## 27889      27890      27891      27892      27893      27894      27895
## 1.9970643 0.8776276 1.0777631 1.7277221 0.6454674 0.4309971 1.2579239
## 27896      27897      27898      27899      27900      27901      27902
## 1.5992095 0.7675089 1.2442267 1.6372747 0.3872700 0.5704315 0.6356171
## 27903      27904      27905      27906      27907      27908      27909
## 1.3804267 1.0669823 0.6802151 0.3708518 0.3564987 1.3783126 0.8202189
## 27910      27911      27912      27913      27914      27915      27916
## 0.8950778 1.9578149 0.5947399 0.8628351 1.5125893 0.6875893 1.7440427
## 27917      27918      27919      27920      27921      27922      27923
## 0.7919037 1.1397558 0.4559480 1.3681358 0.4669706 0.8170425 1.1673237
## 27924      27925      27926      27927      27928      27929      27930
## 1.1579328 1.1391669 1.5152971 1.1535739 1.1767106 0.9877447 1.2038614
## 27931      27932      27933      27934      27935      27936      27937
## 0.6699391 0.7766058 0.4991727 2.3461170 0.6248668 1.2568593 1.2058548
## 27938      27939      27940      27941      27942      27943      27944
## 1.0415663 0.4581923 1.4868639 0.3081077 1.2438056 1.3618420 0.7366197
## 27945      27946      27947      27948      27949      27950      27951
## 1.5951540 0.8860589 1.1006186 0.4547574 0.9895094 1.2776924 0.4178006
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## 0.7968026 0.4923679 1.7693867 0.5024175 1.3246424 0.5864136 0.8412633
## 27959      27960      27961      27962      27963      27964      27965
## 0.9406126 0.5166727 1.0738140 1.4958993 0.5114945 0.5845394 1.0471855
## 27966      27967      27968      27969      27970      27971      27972

## 1.0380109 0.3989148 0.5169067 1.2465353 0.3377925 1.4587727 1.6875307
## 27973      27974      27975      27976      27977      27978      27979
## 0.3706277 1.1640766 0.8310593 1.0065913 1.2107718 1.8957559 0.8968897
## 27980      27981      27982      27983      27984      27985      27986

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## 1.6662443 0.3225809 1.1094981 1.2357551 1.3175415 0.7268314 1.1976464
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## 0.7725601 0.5772843 0.7162258 1.5989202 0.8766207 1.5180547 0.4083040
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## 1.4078543 0.7877628 1.5390636 1.2493232 0.8014068 1.3146244 0.4596089
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## 0.2725057 0.3049291 0.3864691 0.3049291 0.3125390 0.3864691 0.3125390
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## 0.2848015 0.2848015 1.6597353 1.6597353 2.0336735 1.7088020 0.4397878
## 28883     28884     28885     28886     28887     28888     28889
## 1.7088020 2.0336735 0.4397878 0.3944772 0.4703213 0.3780375 0.3448279
## 28890     28891     28892     28893     28894     28895     28896
## 0.3780375 0.4703213 0.3944772 0.3448279 0.3099330 0.3776153 0.4655024
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## 28911     28912     28913     28914     28915     28916     28917
## 0.3460800 0.3460800 0.9520284 0.3340171 1.1016153 0.3005785 0.3005785
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## 29009     29010     29011     29012     29013     29014     29015
## 0.3319825 0.3605227 0.7948959 0.3605227 0.3061338 0.7948959 0.3061338
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## 0.3016411 0.4098897 0.3016411 0.4098897 0.3227979 0.3227979 0.4470751
## 29023     29024     29025     29026     29027     29028     29029
## 0.4470751 0.3628942 0.3628942 0.3506997 0.3506997 1.4410153 1.4410153
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## 0.5970544 0.5970544 0.4177601 0.4177601 0.4123234 0.3793805 0.3793805
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## 0.3965523 0.3965523 0.4123234 0.3821515 0.2736573 0.2736573 0.3821515
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## 30066      30067      30068      30069      30070      30071      30072

## 0.2597013 0.2394521 0.2424971 0.2417164 0.2638883 0.2484570 0.2466482
## 30073      30074      30075      30076      30077      30078      30079
## 0.2938671 0.2406623 0.2396213 0.2657858 0.2449796 0.2413230 0.2471557
## 30080      30081      30082      30083      30084      30085      30086

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## 0.2400898 0.2413780 0.2633904 0.2424581 0.2447899 0.3446758 0.2802357
## 30087 30088 30089 30090 30091 30092 30093
## 0.2424841 0.2413780 0.2430697 0.2437854 0.2580747 0.2450606 0.2440326
## 30094 30095 30096 30097 30098 30099 30100
## 0.2603507 0.2798178 0.2714896 0.2645941 0.2568520 0.2441367 0.2483672
## 30101 30102 30103 30104 30105 30106 30107
## 0.2431348 0.2458036 0.2720244 0.2423149 0.2393480 0.2798901 0.2747849
## 30108 30109 30110 30111 30112 30113 30114
## 0.2397905 0.2512287 0.2394651 0.2464790 0.2876435 0.2483174 0.2467558
## 30115 30116 30117 30118 30119 30120 30121
## 0.2731710 0.2861890 0.2634172 0.2668476 0.2462519 0.2401028 0.2419246
## 30122 30123 30124 30125 30126 30127 30128
## 0.2386453 0.2466092 0.2411048 0.2422759 0.2388405 0.2900759 0.2393090
## 30129 30130 30131 30132 30133 30134 30135
## 0.2395042 0.2396603 0.2402069 0.2424743 0.2449638 0.2443386 0.2430697
## 30136 30137 30138 30139 30140 30141 30142
## 0.2438505 0.2442669 0.2450476 0.7992689 0.3718042 0.4226404 1.2585218
## 30143 30144 30145 30146 30147 30148 30149
## 0.6773754 0.3512012 1.3564615 0.4434423 0.3342926 1.3120625 0.4981930
## 30150 30151 30152 30153 30154 30155 30156
## 0.3495515 0.8976452 0.5845837 0.3997406 0.8831741 0.7249592 0.5573025
## 30157 30158 30159 30160 30161 30162 30163
## 0.3264924 1.4553010 0.6670508 0.6851544 0.6112938 0.3791954 0.3231558
## 30164 30165 30166 30167 30168 30169 30170
## 1.5592097 0.8549515 0.5721598 1.4398595 0.6233919 0.6200761 0.7535934
## 30171 30172 30173 30174 30175 30176 30177
## 0.4708916 0.4646433 0.4322457 0.3244480 0.3170014 0.2601963 0.2924204
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## 30192 30193 30194 30195 30196 30197 30198
## 0.3329218 0.3902283 0.5608002 0.5415278 0.3578543 0.3928306 0.4727908
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## 30206 30207 30208 30209 30210 30211 30212
## 0.2546910 0.3559989 0.2569422 0.9523831 0.6294905 0.3688341 1.2503686
## 30213 30214 30215 30216 30217 30218 30219
## 0.3536844 0.3130443 0.7015631 0.5548479 0.3381638 0.8427042 0.4364104
## 30220 30221 30222 30223 30224 30225 30226
## 0.5190774 1.0495634 0.5670596 0.4635108 0.8734454 0.6048028 0.4841724
## 30227 30228 30229 30230 30231 30232 30233
## 1.0584156 0.7130839 0.6085272 1.5002177 0.7140376 0.4815147 0.8010099
## 30234 30235 30236 30237 30238 30239 30240
## 0.4587063 0.3076479 0.7803311 0.6320697 0.5021481 0.7243592 0.4387066
## 30241 30242 30243 30244 30245 30246 30247
## 0.3909115 0.9190130 0.4257179 0.4255429 0.3532743 0.3532743 0.3532743
## 30248 30249 30250 30251 30252 30253 30254
## 0.3532743 0.3532743 0.3532743 0.3532743 0.5857388 0.2670397 0.2670397
## 30255 30256 30257 30258 30259 30260 30261

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## 0.2670397 0.2670397 0.2670397 0.2670397 0.2670397 0.3082638 0.2554451
## 30262 30263 30264 30265 30266 30267 30268
## 0.2554451 0.2554451 0.2554451 0.2554451 0.2554451 0.2554451 0.2718486
## 30269 30270 30271 30272 30273 30274 30275
## 0.7121272 0.5050352 0.4468524 0.4966630 0.4620095 0.5892666 0.4909596
## 30276 30277 30278 30279 30280 30281 30282
## 0.4461113 0.3835124 0.4654664 0.4182493 0.3828474 0.2635272 0.2534769
## 30283 30284 30285 30286 30287 30288 30289
## 0.2837607 0.2673801 0.2665607 0.2441798 0.2649454 0.2667239 0.2451790
## 30290 30291 30292 30293 30294 30295 30296
## 0.2443332 0.2713436 0.2448407 0.2438127 0.2680769 0.2463202 0.2711668
## 30297 30298 30299 30300 30301 30302 30303
## 0.2828653 0.2828653 0.2451790 0.2451790 0.2434874 0.2434874 0.2636233
## 30304 30305 30306 30307 30308 30309 30310
## 0.2394924 0.2420169 1.0257983 0.3153842 0.3921132 0.4714340 0.3662701
## 30311 30312 30313 30314 30315 30316 30317
## 0.2901948 0.3008840 0.3454668 0.2891337 0.2971819 0.2926743 0.3220579
## 30318 30319 30320 30321 30322 30323 30324
## 0.8001388 0.5295151 0.3474291 0.3163363 0.2811316 0.3124562 0.3542853
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## 30332 30333 30334 30335 30336 30337 30338
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## 0.4469804 0.3014391 0.2943073 0.4385437 0.3237144 0.3113068 0.6468829
## 30346 30347 30348 30349 30350 30351 30352
## 0.3021720 0.2848827 0.4630217 0.2755743 0.2684609 0.3563944 0.2934817
## 30353 30354 30355 30356 30357 30358 30359
## 0.2787294 0.8574923 0.3415883 0.3662937 0.3003441 0.2886032 0.2815930
## 30360 30361 30362 30363 30364 30365 30366
## 0.3311621 0.2746470 0.2656879 0.3722264 0.2805245 0.2734950 0.3077199
## 30367 30368 30369 30370 30371 30372 30373
## 0.2454393 0.2440729 0.4349223 0.2794915 0.3381396 0.5756229 0.7222933
## 30374 30375 30376 30377 30378 30379 30380
## 0.3337120 0.5524594 0.2827166 0.2746255 0.3964786 0.2661302 0.2633192
## 30381 30382 30383 30384 30385 30386 30387
## 0.4470811 0.2630764 0.2579127 0.4323540 0.3365765 0.3257313 0.6559126
## 30388 30389 30390 30391 30392 30393 30394
## 0.2689429 0.2625272 0.3239017 0.2714123 0.2815515 0.4522990 0.3103065
## 30395 30396 30397 30398 30399 30400 30401
## 0.2702507 0.2824788 0.6393346 0.3065055 0.2660721 0.2881866 0.7186837
## 30402 30403 30404 30405 30406 30407 30408
## 0.3242673 0.2847774 0.3613709 0.2672654 0.2636543 0.4768869 0.3263390
## 30409 30410 30411 30412 30413 30414 30415
## 0.3377393 0.4979549 0.3195626 0.2961863 0.4648513 0.3653814 0.3151309
## 30416 30417 30418 30419 30420 30421 30422
## 0.3578797 0.2781804 0.2659664 0.4533397 0.2861944 0.2827567 1.1358755
## 30423 30424 30425 30426 30427 30428 30429
## 0.6911983 0.4096889 0.4682932 0.5462392 0.3058214 0.2932164 0.2870370
## 30430 30431 30432 30433 30434 30435 30436

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## 0.2723032 0.2833557 0.3504311 0.2621803 0.2610126 0.2543453 0.3380853
## 30437     30438     30439     30440     30441     30442     30443
## 0.2659141 0.5507253 0.2594163 0.2932464 0.2750709 0.2895135 0.4250573
## 30444     30445     30446     30447     30448     30449     30450
## 0.2643416 0.3672834 0.2633267 0.4435625 0.2701858 0.2889990 0.3584031
## 30451     30452     30453     30454     30455     30456     30457
## 0.2729022 0.3434970 0.2826532 0.4578086 0.3090222 0.3032870 0.3176394
## 30458     30459     30460     30461     30462     30463     30464
## 0.3295165 0.2529196 0.2450372 0.2587917 0.3851775 0.3851775 0.2590575
## 30465     30466     30467     30468     30469     30470     30471
## 0.2590575 0.2539729 0.2539729 0.4760365 0.2659451 0.2659451 0.2663228
## 30472     30473     30474     30475     30476     30477     30478
## 0.2524886 0.2590613 0.2570091 0.2519619 0.2663026 0.3085116 0.2738633
## 30479     30480     30481     30482     30483     30484     30485
## 0.4041467 0.2623730 0.2604486 0.2551901 0.2644258 0.2483919 0.2662816
## 30486     30487     30488     30489     30490     30491     30492
## 0.3040193 0.3030906 0.2998882 0.2925182 0.2818826 0.2971323 0.4505850
## 30493     30494     30495     30496     30497     30498     30499
## 0.6623045 0.3611658 0.3260721 0.2572261 0.2580334 0.3129396 0.2552606
## 30500     30501     30502     30503     30504     30505     30506
## 0.2529372 0.3312507 0.2518369 0.2513068 0.3237157 0.2841282 0.2854478
## 30507     30508     30509     30510     30511     30512     30513
## 0.3402819 0.2782957 0.2469345 0.6112133 0.3855877 0.2981804 0.2407925
## 30514     30515     30516     30517     30518     30519     30520
## 0.2382550 0.2382550 0.2449409 0.2394651 0.2460106 0.2687281 0.2510160
## 30521     30522     30523     30524     30525     30526     30527
## 0.2423930 0.2438517 0.2430827 0.2454862 0.2589153 0.2397905 0.2388015
## 30528     30529     30530     30531     30532     30533     30534
## 0.2478297 0.2420768 0.2414912 0.3215103 0.2690890 0.2503157 0.6730779
## 30535     30536     30537     30538     30539     30540     30541
## 0.4221827 0.3077741 0.3891518 0.7853165 0.3229102 0.5474244 0.3087874
## 30542     30543     30544     30545     30546     30547     30548
## 0.4644505 0.3407894 0.2795774 0.2604618 0.4653985 0.3108596 0.2660455
## 30549     30550     30551     30552     30553     30554     30555
## 0.9951694 0.8170220 0.4208319 0.4644365 0.3287260 0.3233478 0.4882075
## 30556     30557     30558     30559     30560     30561     30562
## 0.4395472 0.3266741 0.3356197 0.3523178 0.2779386 0.6308032 0.3801198
## 30563     30564     30565     30566     30567     30568     30569
## 0.3148925 0.3961498 0.3099472 0.3080872 0.5504940 0.3625124 0.3462906
## 30570     30571     30572     30573     30574     30575     30576
## 0.3606358 0.3188935 0.3121728 0.8417283 0.6061351 0.8443001 0.4976853
## 30577     30578     30579     30580     30581     30582     30583
## 0.6166122 0.4388828 0.7444951 0.3840288 0.3409058 0.9186040 0.3720425
## 30584     30585     30586     30587     30588     30589     30590
## 0.8290139 0.3510581 0.3689762 0.3241642 0.7502041 0.3496284 0.3077680
## 30591     30592     30593     30594     30595     30596     30597

## 0.6233955 0.3220154 0.2844402 0.5380932 0.2856223 0.2618222 0.3919640
## 30598     30599     30600     30601     30602     30603     30604
## 0.2677735 0.2611892 0.6717907 0.3539566 0.2829248 0.4841318 0.4810615
## 30605     30606     30607     30608     30609     30610     30611

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## 0.2792926 0.4266200 0.2964689 0.2584471 0.5435479 0.6589952 0.2954657
## 30612 30613 30614 30615 30616 30617 30618
## 0.2635181 0.3041183 0.3246045 0.2530114 0.2749020 0.2818304 0.7069911
## 30619 30620 30621 30622 30623 30624 30625
## 0.3797567 0.8759354 0.3059927 0.4613454 0.3202395 0.5277081 0.3048628
## 30626 30627 30628 30629 30630 30631 30632
## 0.2754755 0.8311634 0.4106243 0.3949766 0.2854925 1.1814308 0.3182578
## 30633 30634 30635 30636 30637 30638 30639
## 0.2663051 0.6061830 0.5456353 0.6183788 0.4638966 0.3342114 0.3639283
## 30640 30641 30642 30643 30644 30645 30646
## 0.3704299 0.7641052 0.4202363 0.3291724 0.3881305 0.3002145 1.7244099
## 30647 30648 30649 30650 30651 30652 30653
## 0.8422655 0.5290299 1.5141056 0.5556783 0.3691832 1.0518099 1.4831874
## 30654 30655 30656 30657 30658 30659 30660
## 0.7790146 0.5359329 0.3826327 0.3708906 0.5602752 0.3455883 0.2789285
## 30661 30662 30663 30664 30665 30666 30667
## 1.0606691 0.5010521 0.4297593 0.8469038 0.3794292 0.4248760 0.3158145
## 30668 30669 30670 30671 30672 30673 30674
## 0.3018333 0.3842124 0.2703596 0.2943040 0.4787794 0.2708247 0.3524278
## 30675 30676 30677 30678 30679 30680 30681
## 0.4390588 1.3843457 0.8920558 0.5769737 0.4671940 0.3710439 0.3062561
## 30682 30683 30684 30685 30686 30687 30688
## 0.3453189 0.2738913 0.2634834 0.8581447 0.5905656 0.4104634 0.4239540
## 30689 30690 30691 30692 30693 30694 30695
## 0.3095444 0.3006288 0.5543217 0.3353240 0.3018296 0.3924511 0.2889356
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## 0.5913479 0.4590622 0.3621837 0.5963117 0.6441890 0.6254851 0.9434641
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## 1.5738307 1.4060594 0.5494492 0.4410522 0.3131816 0.4445523 0.6112604
## 30717 30718 30719 30720 30721 30722 30723
## 0.3756064 0.5850998 0.4673054 0.2873141 0.2850153 0.6928661 0.5613750
## 30724 30725 30726 30727 30728 30729 30730
## 0.3770019 0.4487223 0.3388081 0.3631110 0.4622996 0.3122267 0.3591038
## 30731 30732 30733 30734 30735 30736 30737
## 0.4939729 0.6443686 0.2972416 0.3547915 0.6395322 0.3130849 0.2861038
## 30738 30739 30740 30741 30742 30743 30744
## 0.8733121 0.4275313 0.8158436 0.7507687 0.6969060 0.3879185 0.5067629
## 30745 30746 30747 30748 30749 30750 30751
## 0.4452249 0.5516576 0.4604442 0.6534541 0.3980491 0.5222657 0.3197652
## 30752 30753 30754 30755 30756 30757 30758
## 0.2910641 0.3893003 0.7094136 0.2684829 0.2808684 0.2711179 1.4340637
## 30759 30760 30761 30762 30763 30764 30765
## 0.9939610 0.5349051 0.5323966 0.2728543 0.9274256 0.5432103 0.6714258
## 30766 30767 30768 30769 30770 30771 30772
## 0.6460333 1.0746350 0.3541554 1.0246942 0.5417889 0.5041522 0.3364463
## 30773 30774 30775 30776 30777 30778 30779
## 0.6513260 0.9291452 0.6073322 0.6284989 1.4451532 0.8587490 1.2511987
## 30780 30781 30782 30783 30784 30785 30786

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## 0.5938744 0.5077171 1.2692426 0.3875148 1.3589860 0.8136005 0.7403611
## 30787 30788 30789 30790 30791 30792 30793
## 1.2599073 0.6357691 0.4897030 1.4807867 0.9260386 0.9429154 0.5109992
## 30794 30795 30796 30797 30798 30799 30800
## 1.4678723 0.8221350 0.9133278 0.5539955 1.6547124 1.4349673 0.8527600
## 30801 30802 30803 30804 30805 30806 30807
## 0.8239090 0.4167936 1.3844537 0.4821888 0.9635151 0.9023337 1.5012795
## 30808 30809 30810 30811 30812 30813 30814
## 1.4184909 0.8412749 0.6083683 0.8430208 0.3662879 0.4316929 1.1761717
## 30815 30816 30817 30818 30819 30820 30821
## 0.6383864 0.2776802 0.9094335 0.2839803 1.5736300 1.6177395 0.7527661
## 30822 30823 30824 30825 30826 30827 30828
## 1.0769268 0.7401138 1.2011286 1.4121648 1.5468854 0.7683350 0.8361082
## 30829 30830 30831 30832 30833 30834 30835
## 0.4823905 0.5052035 1.5101270 0.7779516 0.5055001 1.6029174 0.9096413
## 30836 30837 30838 30839 30840 30841 30842
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## 30871 30872 30873 30874 30875 30876 30877
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## 30878 30879 30880 30881 30882 30883 30884
## 0.2640816 0.7778619 0.3404289 0.2696840 0.5877730 0.3524105 0.2892782
## 30885 30886 30887 30888 30889 30890 30891
## 0.3342843 0.3342843 0.3342843 0.2690919 0.2690919 0.2690919 0.2714922
## 30892 30893 30894 30895 30896 30897 30898
## 0.3528242 0.2714922 0.2714922 0.3085370 0.2898292 0.4021018 0.3446206
## 30899 30900 30901 30902 30903 30904 30905
## 0.3786844 0.3286544 0.3772640 0.3399647 0.3626712 0.3529000 0.3626712
## 30906 30907 30908 30909 30910 30911 30912
## 0.2682599 0.2920298 0.2920298 0.3027996 0.2682599 0.2818817 0.3007523
## 30913 30914 30915 30916 30917 30918 30919
## 0.2422108 0.2422108 0.3007523 0.3008984 0.2818817 0.2462969 0.2910445
## 30920 30921 30922 30923 30924 30925 30926
## 0.2410267 0.2410267 0.2462969 0.2953010 0.2451010 0.2499925 0.2451010
## 30927 30928 30929 30930 30931 30932 30933
## 0.2507472 0.2525921 0.3111824 0.2475591 0.2451780 0.2992088 0.2439168
## 30934 30935 30936 30937 30938 30939 30940
## 0.2502612 0.2480796 0.3770080 0.3976293 0.3041835 0.3260371 0.2645952
## 30941 30942 30943 30944 30945 30946 30947
## 0.2636117 0.3953717 0.3441205 0.4181450 0.2754954 0.4127683 0.2753435
## 30948 30949 30950 30951 30952 30953 30954
## 0.2750662 0.2621749 0.2610789 0.2412479 0.2384501 0.2384501 1.8183889
## 30955 30956 30957 30958 30959 30960 30961

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## 1.3107192 0.8553060 0.7921680 1.0850264 0.3483895 0.3418378 1.2748758
## 30962    30963    30964    30965    30966    30967    30968
## 1.2748758 0.9748404 0.9728241 0.9444889 0.9444889 1.6309843 1.0628114
## 30969    30970    30971    30972    30973    30974    30975
## 1.2968479 2.1484634 1.3801271 1.2613072 1.8135843 0.8050630 0.8528051
## 30976    30977    30978    30979    30980    30981    30982
## 1.4283415 0.5864505 0.5167224 1.2974424 0.7836754 0.5744945 1.5139929
## 30983    30984    30985    30986    30987    30988    30989
## 1.5139929 0.7462166 0.7462166 0.4807374 0.4908963 1.5401352 1.4283614
## 30990    30991    30992    30993    30994    30995    30996
## 0.7681106 1.2152383 1.1714489 0.8340210 1.2868156 0.7408656 1.0160524
## 30997    30998    30999    31000    31001    31002    31003
## 1.8447056 0.9822828 0.9822828 1.4205508 0.8557799 0.8557799 0.8102094
## 31004    31005    31006    31007    31008    31009    31010
## 0.5458827 0.5458827 1.6414761 1.4277231 1.3339832 0.9936626 0.7153499
## 31011    31012    31013    31014    31015    31016    31017
## 0.8017253 1.7985781 0.9680169 0.9156287 1.6915824 0.7536175 0.6461193
## 31018    31019    31020    31021    31022    31023    31024
## 1.7401508 0.7096334 0.5389950 1.4456536 0.6910863 0.3700139 1.4796826
## 31025    31026    31027    31028    31029    31030    31031
## 1.0827673 0.7704852 2.3111112 1.2724594 0.7780018 1.4269086 0.7922982
## 31032    31033    31034    31035    31036    31037    31038
## 0.6850093 1.6340773 1.3134414 0.7511594 1.0308469 0.6698817 0.7317221
## 31039    31040    31041    31042    31043    31044    31045
## 1.4118876 0.8808497 0.9283689 1.2664108 0.8296524 0.7514953 1.3870682
## 31046    31047    31048    31049    31050    31051    31052
## 1.0702173 0.7279788 1.6937159 1.4782254 1.1467866 1.8822833 0.9795150
## 31053    31054    31055    31056    31057    31058    31059
## 1.2796957 1.1315351 0.5321471 0.4011402 1.3937604 1.5161764 1.2231566
## 31060    31061    31062    31063    31064    31065    31066
## 1.6872679 1.4363553 1.3461660 1.6246847 0.8550434 0.7495717 0.2518533
## 31067    31068    31069    31070    31071    31072    31073
## 0.2569023 0.2382550 0.2384111 0.2382550 0.2384111 0.2471427 0.2382550
## 31074    31075    31076    31077    31078    31079    31080
## 0.2382550 0.2794575 0.2390357 0.2390357 0.2399336 0.2382550 0.2384501
## 31081    31082    31083    31084    31085    31086    31087
## 0.2382550 0.2382550 0.2391528 0.2399336 0.2384111 0.2389967 0.2384111
## 31088    31089    31090    31091    31092    31093    31094
## 0.4072641 0.2688623 0.2485756 0.2384501 0.2394261 0.2475981 0.2390357
## 31095    31096    31097    31098    31099    31100    31101
## 0.2384501 0.2382550 0.2415212 0.2382550 0.2404021 0.2496542 0.2382550
## 31102    31103    31104    31105    31106    31107    31108
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2396213 0.2393610 0.2444331
## 31109    31110    31111    31112    31113    31114    31115
## 0.2425362 0.2389707 0.2382550 0.2382550 0.2382550 0.2389707 0.2382550
## 31116    31117    31118    31119    31120    31121    31122

## 0.2405062 0.2385673 0.2382550 0.2382550 0.2382550 0.2386714 0.2382550
## 31123    31124    31125    31126    31127    31128    31129
## 0.2386714 0.2389837 0.2382550 0.2382550 0.2382550 0.2382550 0.2391528
## 31130    31131    31132    31133    31134    31135    31136

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## 0.2382550 0.2390357 0.2390357 0.2400377 0.2382550 0.2384501 0.2469215
## 31137 31138 31139 31140 31141 31142 31143
## 0.2707739 0.2559393 0.2405712 0.2382550 0.2390357 0.2382550 0.2382550
## 31144 31145 31146 31147 31148 31149 31150
## 0.2382550 0.2430437 0.2382550 0.2398946 0.2386453 0.2389967 0.2389967
## 31151 31152 31153 31154 31155 31156 31157
## 0.2385152 0.2385152 0.2382550 0.2382550 0.2382550 0.2382550 0.4328779
## 31158 31159 31160 31161 31162 31163 31164
## 0.4085361 0.4242750 0.9380703 0.4256983 0.3492398 0.4195211 0.2895159
## 31165 31166 31167 31168 31169 31170 31171
## 0.4116192 0.3020352 0.2713513 0.2599879 0.3034348 0.5841046 0.5102167
## 31172 31173 31174 31175 31176 31177 31178
## 0.5789365 0.7875783 0.5905734 0.3503749 0.4787669 0.3590960 0.3198572
## 31179 31180 31181 31182 31183 31184 31185
## 0.4208031 0.2832685 0.5847157 0.6706656 0.5432654 0.3476639 0.4381458
## 31186 31187 31188 31189 31190 31191 31192
## 0.2994539 0.2971697 0.2971697 0.2484452 0.2470200 0.2511560 0.2503089
## 31193 31194 31195 31196 31197 31198 31199
## 0.7218710 0.4236851 0.4039001 0.5542142 0.3319696 0.2873550 1.6841551
## 31200 31201 31202 31203 31204 31205 31206
## 0.9789223 0.6807302 0.3877505 0.6347751 0.2969341 0.7924302 0.4277403
## 31207 31208 31209 31210 31211 31212 31213
## 0.4063515 0.7493154 0.4422534 0.3462224 0.4406110 0.3073225 0.3487689
## 31214 31215 31216 31217 31218 31219 31220
## 0.8287841 0.4175955 0.3018658 0.6505545 0.6816015 0.5531624 0.7626069
## 31221 31222 31223 31224 31225 31226 31227
## 0.3532301 0.4595062 0.3239272 0.4243971 0.3394866 0.2820231 0.4128142
## 31228 31229 31230 31231 31232 31233 31234
## 0.4365351 0.3296688 0.4520942 0.3519589 0.3012984 0.7953017 0.4050247
## 31235 31236 31237 31238 31239 31240 31241
## 0.3654846 0.3857828 0.3020826 0.2955550 0.3948821 0.3229271 0.3023040
## 31242 31243 31244 31245 31246 31247 31248
## 0.3901679 0.2994472 0.2797497 0.2765438 0.4440226 0.2526103 0.2995903
## 31249 31250 31251 31252 31253 31254 31255
## 0.2472150 0.3082061 0.5857772 0.3256141 0.3069586 0.2390357 0.2382550
## 31256 31257 31258 31259 31260 31261 31262
## 0.2384501 0.2400117 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 31263 31264 31265 31266 31267 31268 31269
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2391919
## 31270 31271 31272 31273 31274 31275 31276
## 0.2387755 0.2387755 0.2382550 0.2382550 0.2382550 0.2382550 0.2390357
## 31277 31278 31279 31280 31281 31282 31283
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2394261 0.2382550
## 31284 31285 31286 31287 31288 31289 31290
## 0.2382550 0.2409356 0.2382550 0.2382550 0.3702305 0.3100798 0.3054450
## 31291 31292 31293 31294 31295 31296 31297
## 0.4714301 0.2890103 0.3218244 0.5879728 0.4385884 0.4089643 0.4308786
## 31298 31299 31300 31301 31302 31303 31304
## 0.3964922 0.3817907 0.7135338 0.6477710 0.4028492 0.6186460 0.3994535
## 31305 31306 31307 31308 31309 31310 31311

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## 0.3060635 0.6282932 0.4901973 0.5723835 0.5282470 0.4586664 0.5359931
## 31312 31313 31314 31315 31316 31317 31318
## 0.7899593 0.5333214 0.5331580 0.4155762 0.3532668 0.3731296 1.0277920
## 31319 31320 31321 31322 31323 31324 31325
## 0.5336761 0.5233866 0.5511613 0.3210137 0.3148569 0.8203366 0.5314138
## 31326 31327 31328 31329 31330 31331 31332
## 0.5250214 0.6017248 0.6204836 0.4531519 0.6201799 0.4676442 0.4307749
## 31333 31334 31335 31336 31337 31338 31339
## 0.5468083 0.4526674 0.3982441 0.3665889 0.8714075 0.4218111 0.3663389
## 31340 31341 31342 31343 31344 31345 31346
## 0.3294553 0.3524421 0.3386778 0.3239452 0.4092765 0.8486410 0.9568561
## 31347 31348 31349 31350 31351 31352 31353
## 0.6761245 0.2425622 0.2385152 0.2385643 0.2471656 0.2388405 0.2382550
## 31354 31355 31356 31357 31358 31359 31360
## 0.2418208 0.2572123 0.2419636 0.2399466 0.2382550 0.2389277 0.2385673
## 31361 31362 31363 31364 31365 31366 31367
## 0.3421101 0.2878334 0.2702696 0.2546646 0.2805168 0.2638329 0.2548026
## 31368 31369 31370 31371 31372 31373 31374
## 0.2557894 0.2533830 0.4608084 0.4335688 0.2526577 0.2754879 0.2531212
## 31375 31376 31377 31378 31379 31380 31381
## 0.2750357 0.5230364 0.2608545 0.2515595 0.2597303 0.2939409 0.2926651
## 31382 31383 31384 31385 31386 31387 31388
## 0.2729129 0.2572242 0.2521493 0.2526685 0.5381844 0.2678263 0.2454406
## 31389 31390 31391 31392 31393 31394 31395
## 0.2579046 0.2482159 0.2467887 0.2995314 0.2645785 0.2553368 0.3652000
## 31396 31397 31398 31399 31400 31401 31402
## 0.2706625 0.2645280 0.2625551 0.2566634 0.2562441 0.6548050 0.2928797
## 31403 31404 31405 31406 31407 31408 31409
## 0.2651360 0.2853270 0.2656284 0.2615698 0.2993488 0.2921378 0.2801016
## 31410 31411 31412 31413 31414 31415 31416
## 0.2683043 0.2583525 0.2433430 0.3608050 0.2736977 0.2587431 0.2607218
## 31417 31418 31419 31420 31421 31422 31423
## 0.2799265 0.2615052 0.4218168 0.3340364 0.4169462 0.2749153 0.3951748
## 31424 31425 31426 31427 31428 31429 31430
## 0.2795940 0.3621756 0.2558579 0.2429786 0.6340315 0.2655543 0.2610004
## 31431 31432 31433 31434 31435 31436 31437
## 0.2617912 0.3105570 0.3053325 0.2994447 0.2596885 0.2709741 0.2681263
## 31438 31439 31440 31441 31442 31443 31444
## 0.2557850 0.2397124 0.2419781 0.3626291 0.2514060 0.2518603 0.2953389
## 31445 31446 31447 31448 31449 31450 31451
## 0.2441770 0.2417957 1.7164185 1.0959269 0.5611491 1.3086817 0.4239601
## 31452 31453 31454 31455 31456 31457 31458
## 0.3940716 0.4849778 0.2810614 0.2624910 0.5888518 0.3224690 0.2822898
## 31459 31460 31461 31462 31463 31464 31465
## 0.4344658 0.2494699 0.2517494 0.5663263 0.2731720 0.2679316 0.3678142
## 31466 31467 31468 31469 31470 31471 31472
## 0.2503252 0.2516132 0.2655787 0.2511611 0.2507878 0.2799400 0.2772664
## 31473 31474 31475 31476 31477 31478 31479
## 0.2418082 0.2425920 0.2431095 0.2440157 0.3077803 0.3099732 0.2511754
## 31480 31481 31482 31483 31484 31485 31486

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## 0.2531564 0.2474058 0.2503443 0.3268687 0.2566969 0.2496683 0.3006751
## 31487     31488     31489     31490     31491     31492     31493
## 0.2619538 0.2640531 0.2693765 0.2422399 0.2450383 0.7005715 0.2982475
## 31494     31495     31496     31497     31498     31499     31500
## 0.2835980 0.2749076 0.4725515 0.3298611 0.3541720 0.2741837 0.2891953
## 31501     31502     31503     31504     31505     31506     31507
## 0.2787381 0.4292589 0.3318882 0.6952368 0.2514260 0.2728160 0.2728033
## 31508     31509     31510     31511     31512     31513     31514
## 0.2613311 0.2466600 0.2443987 0.2699368 0.3275000 0.2742633 0.2974605
## 31515     31516     31517     31518     31519     31520     31521
## 0.2528928 0.2477272 0.2516359 0.2416318 0.2409876 0.3886654 0.2526837
## 31522     31523     31524     31525     31526     31527     31528
## 0.2446578 0.3008056 0.3290682 0.2901058 0.2981999 0.2586809 0.2512334
## 31529     31530     31531     31532     31533     31534     31535
## 0.3835597 0.3329595 0.2801660 0.4127945 0.3147680 0.2751534 0.2777168
## 31536     31537     31538     31539     31540     31541     31542
## 0.2497188 0.3180162 0.2478530 0.2496743 0.2713076 0.2472428 0.2459455
## 31543     31544     31545     31546     31547     31548     31549
## 0.2471381 0.2415107 0.2456939 0.5099089 0.2696596 0.4608815 0.3859919
## 31550     31551     31552     31553     31554     31555     31556
## 0.2816963 0.3616340 0.2624118 0.5698843 0.2736203 0.2598950 0.5695941
## 31557     31558     31559     31560     31561     31562     31563
## 0.2532691 0.2811907 0.2690694 0.2582367 0.2516913 0.4682902 0.2789736
## 31564     31565     31566     31567     31568     31569     31570
## 0.3076081 0.2533135 0.3602288 1.9832177 0.2469267 0.2492499 1.0816343
## 31571     31572     31573     31574     31575     31576     31577
## 0.2420078 0.2503438 0.5408025 0.3389496 0.2586491 0.4585959 0.3555741
## 31578     31579     31580     31581     31582     31583     31584
## 0.3273305 0.4679263 0.2976481 0.2684608 0.3175066 0.2718623 0.2650259
## 31585     31586     31587     31588     31589     31590     31591
## 0.4693531 0.3409966 0.2925835 0.4423433 0.4169697 0.2773712 0.4057737
## 31592     31593     31594     31595     31596     31597     31598
## 0.3485961 0.2873140 0.4529407 0.3351756 0.2799792 0.5204349 0.3556203
## 31599     31600     31601     31602     31603     31604     31605
## 0.3388403 0.7409552 0.3451882 0.2806135 0.3118098 0.2599920 0.2542453
## 31606     31607     31608     31609     31610     31611     31612
## 0.4727049 0.7124191 0.4391195 0.5750083 0.4395632 0.4134272 0.3124647
## 31613     31614     31615     31616     31617     31618     31619
## 0.2614600 0.2592611 0.5551047 0.3149983 0.2789381 0.5099076 0.3954298
## 31620     31621     31622     31623     31624     31625     31626
## 0.3599930 0.5344130 0.3965780 0.3593756 0.5217324 0.3072045 0.2659027
## 31627     31628     31629     31630     31631     31632     31633
## 0.4783642 0.3420817 0.3350035 0.3536565 0.4325463 0.3596119 0.2859427
## 31634     31635     31636     31637     31638     31639     31640
## 0.6454489 0.4746413 0.3988480 0.5637436 0.3356742 0.2938010 0.4801706
## 31641     31642     31643     31644     31645     31646     31647

## 0.3827462 0.3384064 0.6262744 0.5208312 0.3970830 0.5013992 0.4143662
## 31648     31649     31650     31651     31652     31653     31654
## 0.3911981 0.4270139 0.4315011 0.3868580 0.2811414 0.3313557 0.2663930
## 31655     31656     31657     31658     31659     31660     31661

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## 0.3545556 0.3671874 0.2767226 0.4546855 0.2739647 0.2743955 0.3999826
## 31662 31663 31664 31665 31666 31667 31668
## 0.2776993 0.3045441 0.3081464 0.3044548 0.3475409 0.2931674 0.2933391
## 31669 31670 31671 31672 31673 31674 31675
## 0.3133562 0.3130136 0.3227014 0.3059564 0.3157419 0.3022292 0.3001754
## 31676 31677 31678 31679 31680 31681 31682
## 0.3156733 0.3450282 0.3340851 0.3695388 0.4165605 0.3743677 0.3443114
## 31683 31684 31685 31686 31687 31688 31689
## 0.3286233 0.3336401 0.2872647 0.2960997 0.2648988 0.2814008 0.3158651
## 31690 31691 31692 31693 31694 31695 31696
## 0.2634713 0.2791194 0.3509003 0.3088415 0.2994714 0.2897869 0.2919514
## 31697 31698 31699 31700 31701 31702 31703
## 0.2904874 0.2951254 0.2705108 0.2850760 0.3013095 0.2921045 0.2996110
## 31704 31705 31706 31707 31708 31709 31710
## 0.3629931 0.2815667 0.2807137 0.3071319 0.2696774 0.2805162 0.3357165
## 31711 31712 31713 31714 31715 31716 31717
## 0.3361506 0.3655612 0.3171201 0.3393380 0.3864602 0.5081946 0.4391982
## 31718 31719 31720 31721 31722 31723 31724
## 0.6287527 0.3502942 0.4998826 0.2779438 0.2968034 0.3194954 0.3173191
## 31725 31726 31727 31728 31729 31730 31731
## 0.2706343 0.3320727 0.2679067 0.6315746 0.4173017 0.3173744 0.3350064
## 31732 31733 31734 31735 31736 31737 31738
## 0.3440799 0.2922572 0.2916561 0.2768415 0.3125476 0.2994426 0.3074726
## 31739 31740 31741 31742 31743 31744 31745
## 0.2965775 0.3397483 0.3441572 0.3087848 0.3058179 0.3313949 0.3183686
## 31746 31747 31748 31749 31750 31751 31752
## 0.2403500 0.2382550 0.2382550 0.3264171 0.2468311 0.2484179 0.3277182
## 31753 31754 31755 31756 31757 31758 31759
## 0.2450346 0.2460366 0.2946318 0.2450980 0.2439269 0.3018617 0.2429990
## 31760 31761 31762 31763 31764 31765 31766
## 0.3021359 0.2399580 0.2437449 0.2427820 0.2907376 0.2420660 0.2407387
## 31767 31768 31769 31770 31771 31772 31773
## 0.2880224 0.2437160 0.2464774 0.2885884 0.2426126 0.2460610 0.3638380
## 31774 31775 31776 31777 31778 31779 31780
## 0.2706129 0.2579208 0.4628928 0.2944405 0.3685502 0.2669025 0.2580296
## 31781 31782 31783 31784 31785 31786 31787
## 0.2541061 0.3691107 0.2523330 0.2758199 0.4365926 0.3041359 0.2485972
## 31788 31789 31790 31791 31792 31793 31794
## 0.2823094 0.2439372 0.2490799 0.3018652 0.2452645 0.2450941 0.2828819
## 31795 31796 31797 31798 31799 31800 31801
## 0.2519922 0.2540248 0.2931550 0.2439372 0.2535563 0.3019905 0.2503278
## 31802 31803 31804 31805 31806 31807 31808
## 0.2423003 0.3188401 0.2424317 0.2425488 0.3195000 0.2462704 0.2462054
## 31809 31810 31811 31812 31813 31814 31815
## 0.5215453 0.3007878 0.2633410 0.3012881 0.2433647 0.2433543 0.3159477
## 31816 31817 31818 31819 31820 31821 31822
## 0.2598818 0.2504215 0.3638679 0.2967981 0.2813813 0.3687693 0.2491710
## 31823 31824 31825 31826 31827 31828 31829
## 0.2681617 0.2481027 0.3192452 0.2545323 0.2509560 0.2441312 0.2412072
## 31830 31831 31832 31833 31834 31835 31836

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## 0.3072886 0.2453843 0.2454754 0.3605165 0.2604011 0.3084603 0.2480060
## 31837 31838 31839 31840 31841 31842 31843
## 0.2442522 0.3192452 0.2461000 0.3012638 0.2492061 0.2451110 0.2462822
## 31844 31845 31846 31847 31848 31849 31850
## 0.2442522 0.3014720 0.2417147 0.2887934 0.2418318 0.2901283 0.2503422
## 31851 31852 31853 31854 31855 31856 31857
## 0.2452802 0.2544932 0.2517996 0.2382550 0.2382550 0.2382550 0.2382550
## 31858 31859 31860 31861 31862 31863 31864
## 0.2382550 0.2403370 0.2382550 0.2382550 0.2382550 0.4277397 0.2532235
## 31865 31866 31867 31868 31869 31870 31871
## 0.2699243 0.2523868 0.2382550 0.2387755 0.2382550 0.2382550 0.2382550
## 31872 31873 31874 31875 31876 31877 31878
## 0.2382550 0.2382550 0.2382550 0.2453767 0.2385152 0.2385152 0.2382550
## 31879 31880 31881 31882 31883 31884 31885
## 0.2382550 0.2390357 0.2382550 0.2386453 0.2382550 0.2411958 0.2385673
## 31886 31887 31888 31889 31890 31891 31892
## 0.2414691 0.2386453 0.2382550 0.2389576 0.2382550 0.2414691 0.2384501
## 31893 31894 31895 31896 31897 31898 31899
## 0.2385152 0.2419376 0.2385152 0.2382550 0.2382550 0.2399336 0.2382550
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## 0.2396603 0.2382550 0.2394261 0.2402719 0.2382550 0.2389707 0.2385152
## 31907 31908 31909 31910 31911 31912 31913
## 0.2382550 0.2394394 0.2382550 0.2384111 0.2443582 0.2744045 0.2454640
## 31914 31915 31916 31917 31918 31919 31920
## 0.2390357 0.2390357 0.2390357 0.2382550 0.2382550 0.2382550 0.2388405
## 31921 31922 31923 31924 31925 31926 31927
## 0.2384501 0.2384501 0.2398165 0.2385152 0.2382550 0.2382550 0.2382550
## 31928 31929 31930 31931 31932 31933 31934
## 0.2382550 0.2382550 0.2382550 0.2382550 1.2607650 0.3479520 0.3549305
## 31935 31936 31937 31938 31939 31940 31941
## 0.3059518 0.3727911 0.3090678 0.6142213 0.3241379 0.3339516 1.9561288
## 31942 31943 31944 31945 31946 31947 31948
## 0.6208885 0.3366529 0.9310730 0.2965436 0.3042517 0.7061196 0.7061196
## 31949 31950 31951 31952 31953 31954 31955
## 0.9238014 0.9238014 0.3326383 0.3326383 0.3653864 0.3078867 0.3026062
## 31956 31957 31958 31959 31960 31961 31962
## 0.7477214 0.7069564 0.4833289 0.5134084 1.0170159 0.6009069 0.7339091
## 31963 31964 31965 31966 31967 31968 31969
## 0.4778629 0.4115044 0.4308546 0.3974443 0.3946258 0.7873291 0.4624963
## 31970 31971 31972 31973 31974 31975 31976
## 0.5311751 0.6018049 0.4733257 0.4451749 0.5963221 0.4836822 0.4309338
## 31977 31978 31979 31980 31981 31982 31983
## 0.7361683 0.4701612 0.5285268 0.6945122 0.4701159 0.4034731 0.7600298
## 31984 31985 31986 31987 31988 31989 31990
## 0.7600298 0.4726013 0.4718457 0.4207074 0.4205909 1.7582208 0.5362088
## 31991 31992 31993 31994 31995 31996 31997
## 0.4310463 2.0825875 0.9530553 0.5047247 0.4374460 0.2980906 0.3130897
## 31998 31999 32000 32001 32002 32003 32004
## 1.2268120 0.7524019 2.0511882 0.4050487 0.7892310 0.3844914 2.0419535
## 32005 32006 32007 32008 32009 32010 32011

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## 1.3057528 1.0195670 1.4542138 0.7045116 1.0729667 0.7807603 1.0639028
## 32012     32013     32014     32015     32016     32017     32018
## 0.6300184 1.9022101 0.8657414 0.4582889 0.3693442 0.3794948 1.9981103
## 32019     32020     32021     32022     32023     32024     32025
## 1.3544046 1.0163609 0.6151838 0.3705710 0.3893946 0.3491144 0.3736833
## 32026     32027     32028     32029     32030     32031     32032
## 0.3692327 0.3514110 0.7702514 0.7702514 1.3385790 1.3385790 0.7542230
## 32033     32034     32035     32036     32037     32038     32039
## 0.7542230 0.3756828 0.3505645 0.3170589 0.3339036 0.3672640 0.3398310
## 32040     32041     32042     32043     32044     32045     32046
## 0.3699118 0.3572547 0.5015676 0.6039693 0.3654380 0.3483402 0.3736422
## 32047     32048     32049     32050     32051     32052     32053
## 0.5193820 0.3455554 0.3439736 0.3523515 0.3370832 0.4075736 0.4026129
## 32054     32055     32056     32057     32058     32059     32060
## 0.3659414 0.4762612 0.3328346 0.3063178 0.4319262 0.3628760 0.8696225
## 32061     32062     32063     32064     32065     32066     32067
## 0.3119942 0.4806640 0.4153896 0.4260584 0.2905136 0.2782227 0.4591779
## 32068     32069     32070     32071     32072     32073     32074
## 0.5290763 0.3593317 0.4952547 0.3739807 0.3516713 0.5866141 0.4112235
## 32075     32076     32077     32078     32079     32080     32081
## 0.5647932 0.4166518 0.4327854 0.4262762 0.4410033 0.3244584 0.3743686
## 32082     32083     32084     32085     32086     32087     32088
## 0.6048199 0.4218875 0.3759193 0.4668188 0.4897242 0.7416780 0.3385604
## 32089     32090     32091     32092     32093     32094     32095
## 0.5364332 0.4905730 0.5140670 0.4623240 0.3042556 0.4352663 0.3015950
## 32096     32097     32098     32099     32100     32101     32102
## 0.3203374 0.3793721 0.2898639 0.2784296 0.6316005 0.4191582 0.3191596
## 32103     32104     32105     32106     32107     32108     32109
## 0.5654019 0.4407718 0.3234039 0.4225442 0.3620685 0.3661224 0.9062841
## 32110     32111     32112     32113     32114     32115     32116
## 0.5621127 0.3420060 0.4973970 0.3518492 0.3258743 0.5239318 0.3300482
## 32117     32118     32119     32120     32121     32122     32123
## 0.3051672 0.5764106 0.4615931 0.3209838 0.7658462 0.5038949 0.3657405
## 32124     32125     32126     32127     32128     32129     32130
## 0.4938651 0.3728393 0.3083909 0.4152734 0.3082878 0.2818072 0.8321279
## 32131     32132     32133     32134     32135     32136     32137
## 0.5533935 0.4265437 0.4002920 0.4341098 0.2998311 0.5284845 0.3933683
## 32138     32139     32140     32141     32142     32143     32144
## 0.4702807 0.4606345 0.3213028 0.2824468 0.4653426 0.4346964 0.2893292
## 32145     32146     32147     32148     32149     32150     32151
## 0.4711537 0.3009685 0.2887618 0.6917575 0.3740378 0.3268852 0.6420596
## 32152     32153     32154     32155     32156     32157     32158
## 0.4513218 0.3324226 0.4755234 0.6135060 0.4364572 0.3537752 0.4165280
## 32159     32160     32161     32162     32163     32164     32165
## 0.2980170 0.4193245 0.4631001 0.3456195 0.6591483 0.5741875 0.4309687
## 32166     32167     32168     32169     32170     32171     32172

## 0.7797992 0.5855654 0.3963102 0.5664733 0.3877933 0.3700946 0.4553390
## 32173     32174     32175     32176     32177     32178     32179
## 0.3438111 0.3963764 0.6457380 0.4531962 0.4350453 0.6183958 0.5082906
## 32180     32181     32182     32183     32184     32185     32186

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## 0.4768169 0.5985048 0.3521981 0.3136506 0.4971538 0.2948756 0.4196252
## 32187 32188 32189 32190 32191 32192 32193
## 0.7022080 0.3622841 0.3821661 0.6449631 0.4441861 0.4130546 0.9142211
## 32194 32195 32196 32197 32198 32199 32200
## 0.4575147 0.4598863 0.6162985 0.4626646 0.3803336 0.3487876 0.2859548
## 32201 32202 32203 32204 32205 32206 32207
## 0.2732311 0.5123550 0.4660234 0.4110941 0.5544942 0.4146244 0.3146219
## 32208 32209 32210 32211 32212 32213 32214
## 0.8571643 0.5156044 0.4219664 0.4053141 0.3126426 0.2969861 0.3897322
## 32215 32216 32217 32218 32219 32220 32221
## 0.3170992 0.2790450 0.4456982 0.3186904 0.2963614 0.4903641 0.5404766
## 32222 32223 32224 32225 32226 32227 32228
## 0.5082611 0.7959974 0.5612540 0.5238658 0.4510339 0.3343788 0.2974025
## 32229 32230 32231 32232 32233 32234 32235
## 0.5094078 0.4159432 0.3262715 0.6052081 0.4158421 0.3376920 0.5388151
## 32236 32237 32238 32239 32240 32241 32242
## 0.3840315 0.2858294 0.6419505 0.3913497 0.3178156 0.5598725 0.3542264
## 32243 32244 32245 32246 32247 32248 32249
## 0.2934348 0.3213692 0.3439316 0.3024597 0.4379634 0.3133796 0.4112856
## 32250 32251 32252 32253 32254 32255 32256
## 0.5579194 0.3771065 0.3131076 0.5179726 0.3189735 0.2894621 0.2382550
## 32257 32258 32259 32260 32261 32262 32263
## 0.2382550 0.2382550 0.2395432 0.2407144 0.2403240 0.2382550 0.2382550
## 32264 32265 32266 32267 32268 32269 32270
## 0.2382550 0.2631186 0.2382550 0.2382550 0.2390357 0.2382550 0.2385152
## 32271 32272 32273 32274 32275 32276 32277
## 0.2390357 0.2382550 0.2390357 0.2410397 0.2382550 0.2410527 0.2382550
## 32278 32279 32280 32281 32282 32283 32284
## 0.2394912 0.2382550 0.2517492 0.2421198 0.2421198 0.2583987 0.2413142
## 32285 32286 32287 32288 32289 32290 32291
## 0.2428758 0.2382550 0.2382550 0.2382550 0.3394900 0.2472356 0.2418600
## 32292 32293 32294 32295 32296 32297 32298
## 0.2759468 0.3134839 0.3553231 1.7839669 0.5887860 0.3895743 0.3509178
## 32299 32300 32301 32302 32303 32304 32305
## 0.2465093 0.2411958 0.2907037 0.2450431 0.2459227 0.2932986 0.2501096
## 32306 32307 32308 32309 32310 32311 32312
## 0.2449826 0.2845100 0.2611723 0.2522514 0.3494555 0.2656186 0.2471830
## 32313 32314 32315 32316 32317 32318 32319
## 0.4513943 0.2870971 0.2864920 0.2715571 0.2460610 0.2441670 0.3068709
## 32320 32321 32322 32323 32324 32325 32326
## 0.3064876 0.2825724 0.3428431 0.2620982 0.2591355 0.4870102 0.2492579
## 32327 32328 32329 32330 32331 32332 32333
## 0.2421458 0.2496974 0.3256746 0.2565466 0.2553396 0.4062286 0.2418600
## 32334 32335 32336 32337 32338 32339 32340
## 0.2442023 0.2610455 0.2803680 0.3307633 0.2654197 0.2568539 0.2480453
## 32341 32342 32343 32344 32345 32346 32347
## 0.6948549 0.2642588 0.2570040 0.2520607 0.2527772 0.2462969 0.2989112
## 32348 32349 32350 32351 32352 32353 32354
## 0.2490617 0.2453990 0.5820003 0.3566738 0.3808940 0.7686423 0.5966590
## 32355 32356 32357 32358 32359 32360 32361

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## 0.4012566 0.4986631 0.4847690 0.4365643 0.7354197 0.5992078 0.5000882
## 32362 32363 32364 32365 32366 32367 32368
## 0.2448004 0.2382550 0.2382550 0.2394261 0.2382550 0.2382550 0.2401028
## 32369 32370 32371 32372 32373 32374 32375
## 0.2455812 0.2402980 0.3303597 0.2498493 0.2590757 0.2450867 0.2399466
## 32376 32377 32378 32379 32380 32381 32382
## 0.2400767 0.2390357 0.2382550 0.2382550 0.2398685 0.2382550 0.2382550
## 32383 32384 32385 32386 32387 32388 32389
## 0.2390357 0.2390357 0.2382550 0.2382550 0.2382550 0.2382550 0.2390357
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## 0.2382550 0.2382550 0.2390357 0.2382550 0.2382550 0.2446442 0.2382550
## 32397 32398 32399 32400 32401 32402 32403
## 0.2382550 0.2396864 0.2398165 0.2389056 0.2473511 0.2433430 0.2408055
## 32404 32405 32406 32407 32408 32409 32410
## 0.2445632 0.2392309 0.2392309 0.2464272 0.2505781 0.2441367 0.2390357
## 32411 32412 32413 32414 32415 32416 32417
## 0.2382550 0.2382550 0.2390357 0.2382550 0.2384111 0.2382550 0.2384501
## 32418 32419 32420 32421 32422 32423 32424
## 0.2382550 0.2400117 0.2382550 0.2384501 0.2382550 0.2382550 0.2382550
## 32425 32426 32427 32428 32429 32430 32431
## 0.2586141 0.2396734 0.2390357 0.2382550 0.2390357 0.2382550 0.2533888
## 32432 32433 32434 32435 32436 32437 32438
## 0.2427704 0.2437464 0.2611444 0.2407144 0.2420026 0.2392309 0.2384501
## 32439 32440 32441 32442 32443 32444 32445
## 0.2384501 0.2394261 0.2382550 0.2382550 0.2444881 0.2399466 0.2400767
## 32446 32447 32448 32449 32450 32451 32452
## 0.2390357 0.2382550 0.2382550 0.2398816 0.2391008 0.2391008 0.2396213
## 32453 32454 32455 32456 32457 32458 32459
## 0.2396213 0.2384501 0.2384501 0.2384501 0.2384501 1.2629405 0.5027854
## 32460 32461 32462 32463 32464 32465 32466
## 0.3719743 1.0803429 0.3629555 0.5229999 1.3594087 0.5571786 0.3439159
## 32467 32468 32469 32470 32471 32472 32473
## 0.2970787 0.2737049 0.2671544 0.3729543 0.2947990 0.2770622 0.3716413
## 32474 32475 32476 32477 32478 32479 32480
## 0.2982073 0.2723209 0.3468463 0.2911999 0.2777133 0.3482367 0.2885434
## 32481 32482 32483 32484 32485 32486 32487
## 0.2735187 0.3093814 0.2758717 0.2689557 0.3213310 0.2683286 0.2562614
## 32488 32489 32490 32491 32492 32493 32494
## 0.3731749 0.3574604 0.3420358 2.3169191 0.4798762 2.3623214 0.4172002
## 32495 32496 32497 32498 32499 32500 32501
## 1.1133139 0.5641177 0.5240256 0.3961778 0.3487097 2.3393851 2.2806777
## 32502 32503 32504 32505 32506 32507 32508
## 0.6039128 0.6173681 1.2279860 0.4173890 0.4687020 0.4341574 0.3451461
## 32509 32510 32511 32512 32513 32514 32515
## 2.4526816 0.5072416 2.3353347 0.4852816 0.5937027 0.4403344 2.6443406
## 32516 32517 32518 32519 32520 32521 32522
## 0.8747202 2.6277866 0.5740592 0.4926753 0.3875120 1.1790376 2.2982849
## 32523 32524 32525 32526 32527 32528 32529
## 0.3727260 0.5315724 2.4119770 0.2917374 0.3760561 0.5499561 1.3089972
## 32530 32531 32532 32533 32534 32535 32536

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## 0.5346525 0.4998797 0.3903929 2.5232294 0.8695500 0.5262099 2.4700662
## 32537    32538    32539    32540    32541    32542    32543
## 0.4423608 0.3670030 2.3477723 2.3705881 0.5597138 0.7448601 2.4060172
## 32544    32545    32546    32547    32548    32549    32550
## 0.4275047 0.4020370 0.5453083 0.4278797 2.3584665 0.4892172 2.4645450
## 32551    32552    32553    32554    32555    32556    32557
## 1.2701164 0.3485050 0.5569878 0.4275801 0.3841637 0.5834950 1.8717438
## 32558    32559    32560    32561    32562    32563    32564
## 0.5857085 2.4623502 2.6502301 2.6564950 0.3899489 0.5694203 0.9163902
## 32565    32566    32567    32568    32569    32570    32571
## 0.9043961 0.4103466 2.5447573 2.3810043 0.5236694 0.5188742 0.8651330
## 32572    32573    32574    32575    32576    32577    32578
## 0.5831193 2.5215438 0.4885023 0.4967955 0.5140162 0.4196773 2.1065904
## 32579    32580    32581    32582    32583    32584    32585
## 0.5106795 2.3034436 0.3933768 2.3021118 0.7903335 0.6518485 0.7502807
## 32586    32587    32588    32589    32590    32591    32592
## 2.2062401 0.4313120 0.5013905 0.3503810 2.2795069 2.2519481 0.5070914
## 32593    32594    32595    32596    32597    32598    32599
## 0.5601837 2.4319812 0.3655432 0.4021701 0.5813418 2.5330879 0.3997695
## 32600    32601    32602    32603    32604    32605    32606
## 0.5861126 2.1294876 0.4511277 0.4754620 0.3751936 1.9532534 0.4914746
## 32607    32608    32609    32610    32611    32612    32613
## 2.4413031 0.3768869 2.6502631 0.4618133 1.2602486 0.3664740 2.4752680
## 32614    32615    32616    32617    32618    32619    32620
## 0.4870065 2.5946363 0.5073265 0.5498034 0.4496144 0.6565080 1.4408551
## 32621    32622    32623    32624    32625    32626    32627
## 2.6472347 0.4199118 2.3559407 0.6233968 0.3289405 2.3570067 0.4860985
## 32628    32629    32630    32631    32632    32633    32634
## 0.6114390 0.4482659 0.3416178 2.5598966 0.3908309 0.5719458 0.6007996
## 32635    32636    32637    32638    32639    32640    32641
## 2.1148209 0.4937186 0.4195920 2.2493666 2.4428404 0.5923011 2.7258891
## 32642    32643    32644    32645    32646    32647    32648
## 0.4739325 0.4471358 0.8280526 0.3751886 0.6446444 2.0939190 0.5046910
## 32649    32650    32651    32652    32653    32654    32655
## 2.3994430 0.3483722 2.3407270 0.6762174 0.6124433 0.4653101 0.4151586
## 32656    32657    32658    32659    32660    32661    32662
## 2.1763700 0.5030030 0.3408241 2.4212540 0.6837916 0.5655128 2.4644852
## 32663    32664    32665    32666    32667    32668    32669
## 2.2332012 0.5886344 0.4661683 0.3914992 2.3518644 0.3505277 0.6431474
## 32670    32671    32672    32673    32674    32675    32676
## 0.4225823 2.3283983 0.5608614 0.4021985 2.1118852 0.4929280 2.2360331
## 32677    32678    32679    32680    32681    32682    32683
## 0.3568529 2.3472067 0.4892105 2.4079359 0.4914667 0.4303531 0.4806275
## 32684    32685    32686    32687    32688    32689    32690
## 0.3589146 2.5458171 0.3940134 0.5320881 1.4331828 0.6546380 0.6006318
## 32691    32692    32693    32694    32695    32696    32697

## 2.3076828 0.3802911 0.5380126 2.3007894 0.3997910 0.5627945 2.2647718
## 32698    32699    32700    32701    32702    32703    32704
## 0.3835021 0.6206287 0.4043775 1.3499049 2.3959658 0.6057606 2.1578703
## 32705    32706    32707    32708    32709    32710    32711

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## 0.7698918 0.3284190 0.6969239 0.5585702 2.2320774 0.3950796 0.5738048
## 32712 32713 32714 32715 32716 32717 32718
## 0.3952538 2.2056727 0.4980796 0.3710991 2.1073901 0.5240405 2.1421202
## 32719 32720 32721 32722 32723 32724 32725
## 0.3522613 0.4551651 0.3327576 2.1649891 0.5011006 0.4252000 2.2970938
## 32726 32727 32728 32729 32730 32731 32732
## 0.6341287 2.2064939 0.3841877 0.7793855 2.3602069 0.4395010 0.4611705
## 32733 32734 32735 32736 32737 32738 32739
## 0.4128652 2.3970026 0.5469163 2.3286116 0.3975820 0.5071020 2.4920612
## 32740 32741 32742 32743 32744 32745 32746
## 0.3370309 2.2721735 0.4605203 0.4867098 0.4635615 0.5763662 2.0243417
## 32747 32748 32749 32750 32751 32752 32753
## 0.4229054 0.3142508 2.2557226 0.6393594 0.3736216 2.0343452 0.4521650
## 32754 32755 32756 32757 32758 32759 32760
## 0.3453011 2.3749139 2.4412200 0.4523150 0.5976470 2.3479104 0.3273898
## 32761 32762 32763 32764 32765 32766 32767
## 2.2202409 0.3767170 0.6464831 0.5113087 2.5182284 0.3660501 0.3750187
## 32768 32769 32770 32771 32772 32773 32774
## 0.6398920 1.8964803 0.4461634 0.6835474 2.1613711 0.3384741 0.5464313
## 32775 32776 32777 32778 32779 32780 32781
## 0.4766334 2.1305472 0.8026558 2.0188754 0.4679864 0.4516651 0.3622270
## 32782 32783 32784 32785 32786 32787 32788
## 2.4279254 0.6089255 2.3749369 0.4269310 0.5770380 0.8038629 2.3093299
## 32789 32790 32791 32792 32793 32794 32795
## 0.7479880 0.4529367 2.2030194 0.5013061 0.5151095 1.4917047 0.4921657
## 32796 32797 32798 32799 32800 32801 32802
## 0.3514638 2.2029197 0.4863199 0.3765476 2.4706708 2.6318938 0.4772663
## 32803 32804 32805 32806 32807 32808 32809
## 0.6275410 0.3629219 0.5272694 2.2489676 2.3473893 0.5351418 0.8034593
## 32810 32811 32812 32813 32814 32815 32816
## 0.3900295 0.5705939 2.3073576 0.4902116 0.3450956 2.3410557 0.8600586
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## 0.4358785 2.0825391 0.4692418 0.5269655 2.1124382 2.4101735 0.4877599
## 32824 32825 32826 32827 32828 32829 32830
## 2.4159561 0.5410493 0.4214112 2.0800356 0.5261683 0.3985539 0.4758253
## 32831 32832 32833 32834 32835 32836 32837
## 0.3834169 0.3836145 2.4560726 0.5442561 2.3943820 2.4323864 0.3414257
## 32838 32839 32840 32841 32842 32843 32844
## 0.7620526 2.3146828 0.6588421 0.4921474 0.6516453 0.3686281 0.4622945
## 32845 32846 32847 32848 32849 32850 32851
## 2.3782787 0.5730808 2.4292589 0.4121270 0.6851212 2.0543036 0.4582191
## 32852 32853 32854 32855 32856 32857 32858
## 0.4878062 0.3582148 2.3547244 0.6748830 2.4665940 0.3666209 0.7207111
## 32859 32860 32861 32862 32863 32864 32865
## 2.0649800 0.4300203 0.5272720 0.8163232 1.5345213 0.7611858 2.4423706
## 32866 32867 32868 32869 32870 32871 32872
## 0.4062092 0.4639986 2.5740045 0.7236546 0.5695676 0.4575772 2.1775055
## 32873 32874 32875 32876 32877 32878 32879
## 0.7918937 2.4751820 0.5202064 0.5723351 0.8655033 2.3371664 0.6938195
## 32880 32881 32882 32883 32884 32885 32886

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## 2.4153871 0.3896758 0.7371276 2.3170822 0.5741073 2.4993022 0.5260893
## 32887 32888 32889 32890 32891 32892 32893
## 0.9640415 0.3762500 0.5687958 2.5423875 2.3805120 1.1997236 0.6776959
## 32894 32895 32896 32897 32898 32899 32900
## 0.6579381 0.6870703 2.3934555 2.4287861 1.4273011 2.3626271 1.4293861
## 32901 32902 32903 32904 32905 32906 32907
## 0.8188081 0.8258271 0.8105460 0.4503276 2.5596454 0.7877220 0.9366788
## 32908 32909 32910 32911 32912 32913 32914
## 0.7836996 1.1075497 0.4191636 2.4250848 0.6207022 2.2990562 0.4011407
## 32915 32916 32917 32918 32919 32920 32921
## 2.6382416 1.1632391 2.1279650 0.6839063 0.4306475 0.7196236 1.1501377
## 32922 32923 32924 32925 32926 32927 32928
## 0.5422923 2.3899756 0.8150134 2.4002925 0.6466053 2.3022434 0.5176633
## 32929 32930 32931 32932 32933 32934 32935
## 0.5105042 1.7792265 0.3450456 0.4334177 0.4948432 0.4088151 2.3464561
## 32936 32937 32938 32939 32940 32941 32942
## 0.6925688 1.5076573 0.5589294 0.7735355 2.3159996 2.4266550 0.6154124
## 32943 32944 32945 32946 32947 32948 32949
## 0.7193001 0.6881287 0.4078235 0.6760560 2.4207444 0.5938630 0.4477871
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## 32964 32965 32966 32967 32968 32969 32970
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## 0.4177722 2.4407102 0.7029988 2.5332694 0.5830464 0.4902135 0.5497026
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## 32985 32986 32987 32988 32989 32990 32991
## 2.3876499 0.3870934 0.6707351 0.7639349 2.3913333 2.3042688 0.5297978
## 32992 32993 32994 32995 32996 32997 32998
## 0.4517332 0.3945956 0.6386164 2.4332453 0.7015215 0.4532777 2.4055260
## 32999 33000 33001 33002 33003 33004 33005
## 2.3985565 0.5619812 0.4620156 0.3694960 2.3419959 0.9241422 0.8345371
## 33006 33007 33008 33009 33010 33011 33012
## 0.5536789 0.4334198 0.4152146 1.0214430 0.4304563 0.6800859 2.3896130
## 33013 33014 33015 33016 33017 33018 33019
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## 33020 33021 33022 33023 33024 33025 33026
## 0.4741681 0.3473459 0.4080593 0.5490419 0.8171057 0.4211616 2.3677754
## 33027 33028 33029 33030 33031 33032 33033
## 0.5166327 2.2878503 0.3449906 0.5205955 2.2916788 2.2695277 0.3265581
## 33034 33035 33036 33037 33038 33039 33040
## 0.4024340 0.5126213 0.6970668 0.3877167 0.3611595 0.4395819 0.3498006
## 33041 33042 33043 33044 33045 33046 33047
## 0.5682226 2.4439704 0.5127662 2.3641115 0.4041613 1.8619034 0.4993113
## 33048 33049 33050 33051 33052 33053 33054
## 0.3864094 0.4650136 0.3874778 0.3444702 0.3765636 0.3301871 2.3386182
## 33055 33056 33057 33058 33059 33060 33061

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```

## 0.5894438 2.3719568 0.3762727 0.7338042 0.6925679 0.8391697 0.7313301
## 33062    33063    33064    33065    33066    33067    33068
## 2.3639748 0.6998319 2.2559046 0.5219906 2.3708815 0.7490950 0.3997626
## 33069    33070    33071    33072    33073    33074    33075
## 0.5572989 0.3965716 0.4258405 0.3768843 0.4002942 2.4436369 0.5688047
## 33076    33077    33078    33079    33080    33081    33082
## 0.3797661 2.4128652 0.5690310 2.3005608 0.3392173 0.4943744 2.1534536
## 33083    33084    33085    33086    33087    33088    33089
## 0.3794067 0.7630885 0.4108814 2.3455071 2.3231717 0.7479953 0.7285231
## 33090    33091    33092    33093    33094    33095    33096
## 0.3539947 0.4183523 2.3679335 0.5053353 0.3882891 1.4579385 2.4306069
## 33097    33098    33099    33100    33101    33102    33103
## 0.4320531 0.8280213 0.3902769 0.4792130 2.2613077 0.5489021 0.4164630
## 33104    33105    33106    33107    33108    33109    33110
## 2.3229033 0.4934738 1.4109002 0.3997229 0.4689872 0.5055832 2.3544742
## 33111    33112    33113    33114    33115    33116    33117
## 0.5345283 0.5202731 2.2397482 0.5928241 0.4507735 2.1873472 1.1400299
## 33118    33119    33120    33121    33122    33123    33124
## 2.2762910 0.4677371 1.6039988 0.4632029 1.4505466 0.4612860 0.3512179
## 33125    33126    33127    33128    33129    33130    33131
## 0.4418886 0.3598016 0.3497690 2.4631194 0.5551382 1.5181169 0.4156368
## 33132    33133    33134    33135    33136    33137    33138
## 0.4383312 0.3529648 2.2462544 0.4783060 0.3685998 0.9776232 0.3349254
## 33139    33140    33141    33142    33143    33144    33145
## 0.2788397 1.2218850 0.4896509 0.3426154 1.4150692 0.5173048 0.4651722
## 33146    33147    33148    33149    33150    33151    33152
## 1.2395268 0.4581071 1.1896109 0.3537702 0.4064459 1.1530028 0.3264362
## 33153    33154    33155    33156    33157    33158    33159
## 0.4404914 0.3902868 1.4072311 0.4501938 0.3451549 1.1151573 0.3943749
## 33160    33161    33162    33163    33164    33165    33166
## 0.3162203 1.3143394 0.4437606 0.3225007 1.2674143 0.3115518 0.3125885
## 33167    33168    33169    33170    33171    33172    33173
## 1.3880464 1.3812888 0.5409634 0.4824898 0.3550206 0.3495211 0.3482585
## 33174    33175    33176    33177    33178    33179    33180
## 1.5562741 0.3690694 1.4243059 0.4738585 0.5309786 0.3366492 1.2465189
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## 1.3047920 0.3616617 0.3237706 0.4627129 0.5171580 0.3666594 1.2350103
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## 0.3435923 0.3399379 0.4523849 0.3430502 0.3438687 0.3562193 0.3765062
## 33195    33196    33197    33198    33199    33200    33201
## 1.2890188 0.5449277 1.4658568 0.3764581 0.5162542 0.3757584 0.3661896
## 33202    33203    33204    33205    33206    33207    33208
## 0.4117197 1.4378201 1.1650175 0.5749045 0.4620744 0.3600437 0.3405598
## 33209    33210    33211    33212    33213    33214    33215
## 0.3547890 0.3254382 1.4589560 0.4726377 1.3122359 0.3404883 0.6062133
## 33216    33217    33218    33219    33220    33221    33222

## 1.2269440 1.3361859 0.3247956 0.4038675 0.4497786 0.6880044 1.3670368
## 33223    33224    33225    33226    33227    33228    33229
## 0.4054209 0.3321694 0.4667064 0.5472410 0.3182483 0.5021737 0.3743745
## 33230    33231    33232    33233    33234    33235    33236

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## 0.3895105 1.3849491 0.4390053 0.3199296 0.3135439 0.8936314 0.3102166
## 33237 33238 33239 33240 33241 33242 33243
## 0.2630780 0.2726344 1.4227414 1.2914408 0.4729873 1.2623816 0.4887572
## 33244 33245 33246 33247 33248 33249 33250
## 0.3605660 0.5621205 1.3909011 0.3068702 0.3589239 0.3882641 0.5666176
## 33251 33252 33253 33254 33255 33256 33257
## 0.3121696 0.3666371 0.3593282 0.3454981 1.2915285 0.5521151 1.4150014
## 33258 33259 33260 33261 33262 33263 33264
## 0.4031555 1.2816973 0.4813981 0.3953618 0.4250473 0.7374208 1.3605311
## 33265 33266 33267 33268 33269 33270 33271
## 0.4066739 0.3057736 0.3107380 0.5422384 0.3976168 0.3027700 0.2910600
## 33272 33273 33274 33275 33276 33277 33278
## 0.3973464 0.2922060 0.4576881 1.4068078 0.4549300 0.3494055 0.3495798
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## 0.3590375 0.5375133 0.4162576 0.4825354 0.3367354 0.4116884 0.3215624
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## 0.3529749 0.5291356 1.4890772 0.3490209 0.6308929 1.2934488 0.3451430
## 33314 33315 33316 33317 33318 33319 33320
## 0.3935849 0.4892449 0.3869320 0.3697504 0.3539591 1.4555965 0.5326202
## 33321 33322 33323 33324 33325 33326 33327
## 1.2921363 0.3455025 1.4543042 0.5604662 0.3499974 0.5739056 0.3863270
## 33328 33329 33330 33331 33332 33333 33334
## 0.3948298 0.3821033 0.4198125 1.4680545 0.5794180 1.1860762 0.3855854
## 33335 33336 33337 33338 33339 33340 33341
## 0.5357017 1.3309722 0.3633842 0.3730026 0.5097485 0.3464892 0.3393987
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## 0.3297239 1.4926222 0.4321477 1.4441824 0.3459477 0.5959308 0.3404010
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## 33356 33357 33358 33359 33360 33361 33362
## 0.3529341 0.3619135 0.4472672 0.3282565 0.4658628 0.3152090 0.3471388
## 33363 33364 33365 33366 33367 33368 33369
## 0.6130022 0.3338796 0.4857131 0.3852024 0.3927765 0.3794857 0.3945334
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## 0.4557131 0.3985496 0.4838068 0.4768296 0.3774764 0.3785052 0.6918244
## 33398 33399 33400 33401 33402 33403 33404
## 0.4371655 0.4128841 0.3475993 0.4729865 0.3952845 0.3321715 0.4735012
## 33405 33406 33407 33408 33409 33410 33411

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## 0.3384412 0.3851134 0.3133470 0.4244679 0.5887864 0.4172622 0.3891479
## 33412 33413 33414 33415 33416 33417 33418
## 0.4804465 0.6287832 0.3486515 0.5739585 0.3702904 0.3391667 0.4091409
## 33419 33420 33421 33422 33423 33424 33425
## 0.3651353 0.4254319 0.4344612 0.3349880 0.3193797 0.6315018 0.3871659
## 33426 33427 33428 33429 33430 33431 33432
## 0.4777813 0.3861700 0.3175066 0.5260412 0.3097780 0.4632322 0.3699563
## 33433 33434 33435 33436 33437 33438 33439
## 0.3594296 0.3752569 0.3598882 0.2806997 0.2607662 0.5621948 0.2628071
## 33440 33441 33442 33443 33444 33445 33446
## 0.3702762 0.3666980 0.2407534 0.2407534 0.2399726 0.2399726 0.2428355
## 33447 33448 33449 33450 33451 33452 33453
## 0.2428355 0.2382550 0.2382550 0.2382550 0.2418465 0.2713446 0.2507190
## 33454 33455 33456 33457 33458 33459 33460
## 0.2478690 0.2974468 0.2842551 0.2776447 0.2577098 0.2506452 0.2509820
## 33461 33462 33463 33464 33465 33466 33467
## 0.2475591 0.2684712 0.2480015 0.2459846 0.2404281 0.2406623 0.2478194
## 33468 33469 33470 33471 33472 33473 33474
## 0.2625732 0.2468694 0.2751656 0.2463879 0.3557313 0.2465311 0.2478459
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## 0.2481842 0.2472706 0.2487042 0.2440847 0.2547761 0.2668271 0.2569023
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## 0.3117996 0.2484220 0.2564105 0.4468651 0.4000031 0.3198980 0.2490631
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## 0.3026924 0.2446897 0.2541507 0.2382550 0.2382550 0.2450997 0.2432779
## 33496 33497 33498 33499 33500 33501 33502
## 0.2432779 0.2470386 0.2416383 0.2486652 0.2909774 0.2970060 0.3111342
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## 0.2456157 0.2384501 0.2382550 0.2394924 0.2394924 0.2402732 0.2711862
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## 0.2752759 0.2792541 0.2421441 0.2398018 0.2419489 0.2457867 0.2398165
## 33517 33518 33519 33520 33521 33522 33523
## 0.2392960 0.2668701 0.2617170 0.2611314 0.2390357 0.2390357 0.2382550
## 33524 33525 33526 33527 33528 33529 33530
## 0.2407274 0.2382550 0.2382550 0.2826424 0.2592673 0.2695469 0.2820470
## 33531 33532 33533 33534 33535 33536 33537
## 0.2563407 0.2390357 0.2450216 0.2822933 0.2384501 0.2444360 0.2682624
## 33538 33539 33540 33541 33542 33543 33544
## 0.2758460 0.2796282 0.2505260 0.3028455 0.2523790 0.2382550 0.2443332
## 33545 33546 33547 33548 33549 33550 33551
## 0.2531806 0.2384501 0.2499287 3.3890500 2.2670060 0.7972211 3.4099664
## 33552 33553 33554 33555 33556 33557 33558
## 0.7376635 0.6212704 3.1027631 2.4867705 1.4230552 0.8537695 0.3552262
## 33559 33560 33561 33562 33563 33564 33565
## 0.3808594 0.3902161 0.3122387 0.3235144 0.9005785 0.3724709 0.4203500
## 33566 33567 33568 33569 33570 33571 33572
## 0.3865694 0.3116837 0.3227714 0.3843635 0.3135062 0.3093841 0.7219602
## 33573 33574 33575 33576 33577 33578 33579
## 0.5035315 0.3736591 0.5382895 0.3529386 0.2997691 0.3883942 0.3330849
## 33580 33581 33582 33583 33584 33585 33586

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```

## 0.3072299 0.5921270 0.3438771 0.2997947 0.5001404 0.3375674 0.2996265
## 33587    33588    33589    33590    33591    33592    33593
## 0.3848657 0.3576867 0.3107963 0.9078271 0.6085269 0.9617701 0.5481409
## 33594    33595    33596    33597    33598    33599    33600
## 0.5247865 0.3715908 0.2948504 0.2996130 0.2382550 0.2382550 0.2382550
## 33601    33602    33603    33604    33605    33606    33607
## 0.4364754 0.5019112 0.4194401 0.4247575 0.3751742 0.3556192 0.4269603
## 33608    33609    33610    33611    33612    33613    33614
## 0.3956339 0.3545102 0.4393685 0.4240194 0.4218857 0.4793765 0.4152847
## 33615    33616    33617    33618    33619    33620    33621
## 0.3696892 0.3834065 0.4012695 0.3571105 0.4360438 0.4228936 0.4931673
## 33622    33623    33624    33625    33626    33627    33628
## 0.2457671 0.2627896 0.2419447 0.2434252 0.2437720 0.2504403 0.4200024
## 33629    33630    33631    33632    33633    33634    33635
## 0.2725491 0.2628669 0.2608863 0.2515943 0.2659462 0.2583337 0.2463619
## 33636    33637    33638    33639    33640    33641    33642
## 0.2586993 0.2534409 0.2471817 0.2516191 0.2508383 0.2955694 0.2515670
## 33643    33644    33645    33646    33647    33648    33649
## 0.2475851 0.2510598 0.2444100 0.2453860 0.2451908 0.2469475 0.2503959
## 33650    33651    33652    33653    33654    33655    33656
## 0.2530719 0.2534541 0.2481837 0.2512808 0.2871337 0.2647620 0.2466742
## 33657    33658    33659    33660    33661    33662    33663
## 0.2432519 0.2451517 0.2430567 0.2451908 0.2459715 0.2536042 0.2512547
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## 0.2590754 0.2663105 0.2508383 0.2463619 0.2475331 0.2453860 0.2627971
## 33671    33672    33673    33674    33675    33676    33677
## 0.2586993 0.2678431 0.2508383 0.2683535 0.2475851 0.2661544 0.2487563
## 33678    33679    33680    33681    33682    33683    33684
## 0.2492117 0.2905924 0.3006265 0.2451140 0.2453860 0.2441497 0.2449188
## 33685    33686    33687    33688    33689    33690    33691
## 0.2470776 0.2451908 0.2496815 0.2831100 0.2505520 0.2619618 0.2625368
## 33692    33693    33694    33695    33696    33697    33698
## 0.2504349 0.2453860 0.2733085 0.2568502 0.2673994 0.2507082 0.2474820
## 33699    33700    33701    33702    33703    33704    33705
## 0.2519314 0.2449696 0.2572016 0.2453860 0.2637340 0.2437333 0.2477283
## 33706    33707    33708    33709    33710    33711    33712
## 0.2705390 0.2419246 0.2628825 0.2464920 0.2628825 0.2562777 0.2669221
## 33713    33714    33715    33716    33717    33718    33719
## 0.2562777 0.2673125 0.2673125 0.2546502 0.2448524 0.2449175 0.2430176
## 33720    33721    33722    33723    33724    33725    33726
## 0.2436032 0.2487330 0.2458935 0.2450216 0.2722964 0.2632916 0.2598319
## 33727    33728    33729    33730    33731    33732    33733
## 0.2588044 0.2528337 0.2665590 0.2578248 0.3429395 0.2993890 0.2558944
## 33734    33735    33736    33737    33738    33739    33740
## 0.2508802 0.2471687 0.2840469 0.2536256 0.2519054 0.2626149 1.1211538
## 33741    33742    33743    33744    33745    33746    33747

## 0.8667624 0.4888681 0.8345432 0.4555479 0.4880862 0.3268370 0.2756200
## 33748    33749    33750    33751    33752    33753    33754
## 0.2645702 0.3647412 0.2936140 0.2892274 0.3680162 0.3409208 0.4886061
## 33755    33756    33757    33758    33759    33760    33761

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## 0.2969185 0.2826845 0.2828800 0.2574264 0.2594983 0.4333353 0.2643673
## 33762 33763 33764 33765 33766 33767 33768
## 0.3055791 0.2571060 0.2936386 0.2515666 0.2633172 0.2944503 0.2744657
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## 0.2739742 0.3215020 0.2857205 0.2928046 0.2758553 0.2920800 0.3079055
## 33776 33777 33778 33779 33780 33781 33782
## 0.2836197 0.2797762 0.2661819 0.2930954 0.2692037 0.2552298 0.3237088
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## 0.2688989 0.2684855 0.2864990 0.2526999 0.2614648 0.2616755 0.2554769
## 33790 33791 33792 33793 33794 33795 33796
## 0.2617939 0.3429786 0.2805287 0.2659819 0.2899235 0.2786596 0.2877895
## 33797 33798 33799 33800 33801 33802 33803
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## 33804 33805 33806 33807 33808 33809 33810
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## 33811 33812 33813 33814 33815 33816 33817
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## 33818 33819 33820 33821 33822 33823 33824
## 0.4112380 0.2596261 0.4399154 0.2635191 0.3463820 0.3014840 0.4245858
## 33825 33826 33827 33828 33829 33830 33831
## 0.2798300 0.2815323 0.2636123 0.2548072 0.2691085 0.5416096 0.2746579
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## 33839 33840 33841 33842 33843 33844 33845
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## 0.2660972 0.2942009 0.3862751 0.2740891 0.2793661 0.2622262 0.2535681
## 33853 33854 33855 33856 33857 33858 33859
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## 0.4419530 0.3632433 0.2699541 0.2603168 0.2711722 0.2570708 0.4984925
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## 0.2772980 0.2765569 0.4021238 0.2975178 0.2874981 0.3375727 0.2561552
## 33874 33875 33876 33877 33878 33879 33880
## 0.2626744 0.2980449 0.2963807 0.2984331 0.3150333 0.2903602 0.3054786
## 33881 33882 33883 33884 33885 33886 33887
## 0.2701850 0.2662975 0.2754202 0.2657044 0.2564169 0.7316898 0.2683611
## 33888 33889 33890 33891 33892 33893 33894
## 0.5298949 0.3707578 0.4946247 0.2797430 0.2773782 0.3002780 0.2709947
## 33895 33896 33897 33898 33899 33900 33901
## 0.2677808 0.3794977 0.2677880 0.2678205 0.2859400 0.2624408 0.2649675
## 33902 33903 33904 33905 33906 33907 33908
## 0.3727307 0.2601153 0.4394474 0.2677387 0.2983159 0.2936970 0.2593752
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## 0.2787427 0.3100325 0.2500849 0.2492839 0.2503132 0.2527007 0.2495633
## 33916 33917 33918 33919 33920 33921 33922
## 0.2527007 0.3084676 0.2583543 0.2606716 0.2646978 0.2497804 0.2556357
## 33923 33924 33925 33926 33927 33928 33929
## 0.3518752 0.3072006 0.3668018 0.3081423 0.2859919 0.2861923 0.2765666
## 33930 33931 33932 33933 33934 33935 33936

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## 0.2482097 0.2548075 0.3157748 0.2569382 0.2609674 0.2542314 0.3804779
## 33937 33938 33939 33940 33941 33942 33943
## 0.2628343 0.4264237 0.2598555 0.2710931 0.2582845 0.3551804 0.2707221
## 33944 33945 33946 33947 33948 33949 33950
## 0.2620298 0.4615303 0.2747258 0.5534298 0.2678956 0.3232181 0.2737683
## 33951 33952 33953 33954 33955 33956 33957
## 0.4262338 0.3919426 0.2425723 0.2409876 0.7503494 0.2412479 0.2391008
## 33958 33959 33960 33961 33962 33963 33964
## 0.4643119 0.3308368 0.7395775 0.3877523 0.4003366 0.3346290 0.4542374
## 33965 33966 33967 33968 33969 33970 33971
## 0.3060301 0.3524706 0.2850505 0.3827365 0.2770111 0.2803949 0.2530715
## 33972 33973 33974 33975 33976 33977 33978
## 0.3228055 0.3048571 0.2515937 0.9649214 0.4787223 0.3050216 0.2921330
## 33979 33980 33981 33982 33983 33984 33985
## 0.2432128 0.2415862 0.3506094 0.2502488 0.4580506 0.2498324 0.3270279
## 33986 33987 33988 33989 33990 33991 33992
## 0.3388337 0.3932036 0.2670211 0.2519730 0.7309108 0.3426041 0.2694955
## 33993 33994 33995 33996 33997 33998 33999
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## 0.9232006 0.3465789 0.2941919 0.2959874 0.8136622 0.5346525 0.4329017
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## 0.4510597 0.3038446 0.2771587 0.4578368 0.6191154 0.3380278 0.6167610
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## 0.6424146 0.5483696 0.4767005 0.6637416 0.3666160 0.5482751 0.4343755
## 34063 34064 34065 34066 34067 34068 34069
## 0.3778125 0.3246715 0.4548171 0.2987188 0.6345439 0.4759492 0.6719809
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## 0.3726537 0.3835033 0.3138288 0.6858755 0.5949981 0.4928312 0.6803556
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## 0.6310957 0.3908239 0.2824106 0.2584367 0.2524301 0.4805034 0.4272083
## 34084 34085 34086 34087 34088 34089 34090
## 0.3357602 0.7997122 0.4538578 0.2860643 0.4917367 0.2953621 0.2835706
## 34091 34092 34093 34094 34095 34096 34097
## 0.3589331 0.4223125 0.3098341 0.4470638 0.3006656 0.4112488 0.3518855
## 34098 34099 34100 34101 34102 34103 34104
## 0.3705218 0.3304689 0.4079529 0.3145888 0.2807891 0.4910848 0.4660430
## 34105 34106 34107 34108 34109 34110 34111

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## 0.3798496 0.3545313 0.3096185 0.2835741 0.5716350 0.3776246 0.2820789
## 34112     34113     34114     34115     34116     34117     34118
## 0.3937877 0.3255676 0.3005969 0.3604842 0.2580596 0.3805408 0.3215104
## 34119     34120     34121     34122     34123     34124     34125
## 0.2961283 0.2653609 0.3895190 0.3259628 0.2843797 0.7890044 0.4335633
## 34126     34127     34128     34129     34130     34131     34132
## 0.3195454 0.3103372 0.2664027 0.2613858 0.4944590 0.3675836 0.2950663
## 34133     34134     34135     34136     34137     34138     34139
## 0.4255700 0.3755150 0.5781767 0.3004970 0.5295989 0.3331618 0.5982125
## 34140     34141     34142     34143     34144     34145     34146
## 0.3434237 0.5512027 0.2982232 0.3992417 0.2969580 0.4220580 0.2727953
## 34147     34148     34149     34150     34151     34152     34153
## 0.2599657 0.4925333 0.3060151 0.3798533 0.4479614 0.3605908 0.3700568
## 34154     34155     34156     34157     34158     34159     34160
## 0.4241664 0.2620818 0.2511603 0.4807305 0.4264173 0.3125371 0.5910321
## 34161     34162     34163     34164     34165     34166     34167
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## 34168     34169     34170     34171     34172     34173     34174
## 0.2659539 0.5218619 0.3049882 0.2842570 0.2998713 0.2581942 0.2516854
## 34175     34176     34177     34178     34179     34180     34181
## 0.3151939 0.6283316 0.2543842 0.3802679 0.2487540 0.3341432 0.3155641
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## 0.2623661 0.2929562 0.2586954 0.2535811 0.2925862 0.2463619 0.2570990
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## 0.2610289 0.3432335 0.2642643 0.2617927 0.3328815 0.2798601 0.2701469
## 34196     34197     34198     34199     34200     34201     34202
## 0.3208846 0.2493197 0.3763894 0.2465701 0.3510771 0.2674789 1.5031416
## 34203     34204     34205     34206     34207     34208     34209
## 1.1193087 0.6471003 2.1412861 1.5395671 1.6989517 0.3924427 0.2471364
## 34210     34211     34212     34213     34214     34215     34216
## 0.4119644 0.4119644 0.2403763 0.2750366 0.2750366 0.2702456 0.2702456
## 34217     34218     34219     34220     34221     34222     34223
## 0.3732532 0.2479053 0.2529789 0.3861922 0.2704173 0.2700920 0.3771753
## 34224     34225     34226     34227     34228     34229     34230
## 0.3309846 0.3173572 0.3547721 0.3706368 0.3495290 0.3447551 0.3187188
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## 0.2531503 0.2697028 0.2981146 0.2583987 0.2673496 0.2511193 0.3468911
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## 34245     34246     34247     34248     34249     34250     34251
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## 0.4106720 0.3057005 0.2939552 0.5614815 0.3873716 0.3262634 0.3969039
## 34259     34260     34261     34262     34263     34264     34265
## 0.3014382 0.2859069 0.3987019 0.3774669 0.3365320 0.3051787 0.2933359
## 34266     34267     34268     34269     34270     34271     34272

## 0.3080073 0.3746579 0.4582794 0.3831269 0.4810392 0.3807474 0.4036413
## 34273     34274     34275     34276     34277     34278     34279
## 0.3406079 0.3129423 0.2791794 0.2970932 0.3075377 0.2637121 0.3141512
## 34280     34281     34282     34283     34284     34285     34286

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## 0.2394924 0.2382550 0.2385673 0.2384111 0.2382550 0.2392577 0.2394924
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## 0.3415205 0.3418662 0.2716526 0.2681553 0.2743930 0.2531620 0.2450219
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## 0.2478885 0.2850521 0.6180531 0.3567461 0.2423750 0.3083470 0.2584398
## 34602 34603 34604 34605 34606 34607 34608
## 0.2518161 0.2740440 0.2428380 0.5434068 0.2468300 0.2472792 0.2732601
## 34609 34610 34611 34612 34613 34614 34615
## 0.2480006 0.2548002 0.2576458 0.2475615 0.4502917 0.2445531 0.2925855
## 34616 34617 34618 34619 34620 34621 34622
## 0.3883491 0.2951715 0.2632996 0.2975318 0.2722079 0.2570002 0.2491206
## 34623 34624 34625 34626 34627 34628 34629
## 0.2414433 0.3088451 0.2964082 0.2405910 1.1030165 0.2485809 0.2411698
## 34630 34631 34632 34633 34634 34635 34636

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## 0.2964082 0.3362119 0.3158173 0.2513549 0.4559545 0.3279604 0.2542885
## 34637     34638     34639     34640     34641     34642     34643
## 0.3250662 0.3144128 0.4071532 0.2716959 0.2466663 0.3188990 0.2976886
## 34644     34645     34646     34647     34648     34649     34650
## 0.3970365 0.2734760 0.2518434 0.2732847 0.2402467 0.2387625 0.3121380
## 34651     34652     34653     34654     34655     34656     34657
## 0.3114978 0.2661993 0.2636585 0.3231372 0.2917258 0.3397489 0.2437989
## 34658     34659     34660     34661     34662     34663     34664
## 0.2393871 0.3779797 0.8971858 0.4061205 0.3049535 1.2797789 0.3859800
## 34665     34666     34667     34668     34669     34670     34671
## 0.3637660 1.0051023 0.7924600 0.3391398 0.3907468 0.2684976 0.2455837
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## 0.2988734 0.2801490 0.2714481 0.3198865 0.2518778 0.2492089 0.5172473
## 34679     34680     34681     34682     34683     34684     34685
## 0.3630653 0.3678918 0.4554836 0.2726106 0.2650657 1.1784610 0.5636098
## 34686     34687     34688     34689     34690     34691     34692
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## 0.3052351 0.2580924 0.2627826 0.4564899 0.2556052 0.2521730 0.5414362
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## 0.2401288 0.3362203 0.3156815 0.2868317 0.2508873 0.2382550 0.2382550
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## 34791     34792     34793     34794     34795     34796     34797

## 0.2492508 0.3098644 0.2547038 0.2790749 0.3139284 0.2532427 0.2497986
## 34798     34799     34800     34801     34802     34803     34804
## 0.3066422 0.2847699 0.2645997 0.2675723 0.2468795 0.2422108 0.2642322
## 34805     34806     34807     34808     34809     34810     34811

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## 0.2551716 0.2490035 0.2765159 0.2448915 0.2478714 0.2648153 0.2588294
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## 34980 34981 34982 34983 34984 34985 34986

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## 0.2382550 0.2382550 0.2454844 0.2440010 0.2454324 0.9106916 0.3478685
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## 0.4406983 0.3497987 0.3100591 0.9826817 0.5796417 0.4211653 0.3866183
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## 0.5284182 0.3836677 0.5448164 0.3505870 0.4302128 0.2382550 0.2382550
## 35708     35709     35710     35711     35712     35713     35714
## 0.2382550 2.2838331 0.9869857 0.4659486 0.4266905 0.8559519 0.3507816
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## 0.5947463 0.3712791 0.3287421 0.2668211 0.3339376 0.2692361 0.2866281
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## 0.2555229 0.2579481 0.2516932 0.2472019 0.2893655 0.2539647 0.2413272
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## 0.4262792 0.3003298 0.4327005 0.3632259 0.4171225 0.2985523 0.2843677
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## 1.0016424 0.6305206 0.3201847 1.5537680 0.7880725 0.2986956 2.5373642
## 36016 36017 36018 36019 36020 36021 36022
## 1.0010091 0.4023254 2.2110134 0.6286123 1.4214646 0.3976339 0.3634545
## 36023 36024 36025 36026 36027 36028 36029
## 0.3683718 1.3623160 0.5347527 0.3577508 0.8304949 0.3706044 0.3522274
## 36030 36031 36032 36033 36034 36035 36036

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## 2.0726452 0.5224486 0.3008143 1.0463960 0.6911636 0.3891342 0.4234492
## 36037 36038 36039 36040 36041 36042 36043
## 0.3193303 0.2660425 1.1601759 0.5824505 0.2896480 0.4528311 0.3148838
## 36044 36045 36046 36047 36048 36049 36050
## 0.2607289 0.3716236 0.2564974 0.2998522 0.5969715 0.2996682 0.2834589
## 36051 36052 36053 36054 36055 36056 36057
## 0.4801713 0.3711150 0.2997707 0.6301334 0.4314209 0.2929073 0.2987283
## 36058 36059 36060 36061 36062 36063 36064
## 0.2780554 0.2793999 0.9909526 0.6398041 0.3543644 0.3017860 0.3092261
## 36065 36066 36067 36068 36069 36070 36071
## 0.2804974 0.3310822 0.3312678 0.3138323 0.2841246 0.3040864 0.3922321
## 36072 36073 36074 36075 36076 36077 36078
## 0.2729056 0.2485864 0.3350113 0.2642893 0.3497601 0.2517486 0.2479930
## 36079 36080 36081 36082 36083 36084 36085
## 0.3164212 0.3628391 0.4310949 0.3634046 0.3490294 0.8123087 0.3621241
## 36086 36087 36088 36089 36090 36091 36092
## 0.3181611 0.3846442 0.2853543 0.2533338 0.2644624 0.2490188 0.2655660
## 36093 36094 36095 36096 36097 36098 36099
## 0.6699850 0.3769917 0.3327986 0.5837924 0.3460656 0.6266432 0.4157618
## 36100 36101 36102 36103 36104 36105 36106
## 0.3200990 0.3307568 0.3219717 0.2598710 0.3059204 0.4001194 0.3363522
## 36107 36108 36109 36110 36111 36112 36113
## 0.2918255 0.5364631 0.2653063 0.2957256 0.2506730 0.2743731 0.2508169
## 36114 36115 36116 36117 36118 36119 36120
## 1.1788638 0.3554097 0.3333092 0.3116862 0.2839466 0.2665381 0.2596414
## 36121 36122 36123 36124 36125 36126 36127
## 0.2602605 0.2638553 0.2520225 0.2738034 0.5568852 0.2538681 0.6998415
## 36128 36129 36130 36131 36132 36133 36134
## 0.2773439 0.2947973 0.2600915 0.2709159 0.2644682 0.3897645 0.4341952
## 36135 36136 36137 36138 36139 36140 36141
## 0.2603647 0.3398340 0.5390729 0.2477774 0.3110406 0.2497335 0.4304671
## 36142 36143 36144 36145 36146 36147 36148
## 0.8476779 0.9579119 0.3379217 0.3837491 0.3449145 0.3162849 0.3645006
## 36149 36150 36151 36152 36153 36154 36155
## 0.2635652 0.4697886 0.2548025 0.2831428 0.2741513 0.5814004 0.3507711
## 36156 36157 36158 36159 36160 36161 36162
## 0.3050395 0.7968382 0.3225584 0.2885591 0.6290538 0.2808617 0.2754572
## 36163 36164 36165 36166 36167 36168 36169
## 0.5588923 0.3317858 0.3203235 0.4197028 0.3097607 0.2796581 0.4036126
## 36170 36171 36172 36173 36174 36175 36176
## 0.3391213 0.4820830 0.2456185 0.2704128 0.3258617 0.2438765 0.6364458
## 36177 36178 36179 36180 36181 36182 36183
## 0.2696808 0.2811227 0.2734790 0.3360514 0.6804499 0.4477919 0.2865404
## 36184 36185 36186 36187 36188 36189 36190
## 0.3236678 0.3658480 0.4948544 0.6630391 0.5331257 0.2825328 0.2995517
## 36191 36192 36193 36194 36195 36196 36197
## 0.9165079 0.2618297 0.2638180 0.2701476 0.4766338 0.2603869 0.2623162
## 36198 36199 36200 36201 36202 36203 36204
## 0.2678384 0.8602289 0.5550369 0.3510885 0.4195246 0.2730637 0.3208632
## 36205 36206 36207 36208 36209 36210 36211

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## 0.2668435 0.2929272 0.2814539 0.3792286 0.2865266 0.2812681 0.3664582
## 36212     36213     36214     36215     36216     36217     36218
## 0.5403908 0.2451459 0.3074588 0.2430717 1.0453797 0.2443445 0.5581244
## 36219     36220     36221     36222     36223     36224     36225
## 0.3644419 0.3559986 0.3853605 0.3022125 0.2979481 0.3213820 0.2665788
## 36226     36227     36228     36229     36230     36231     36232
## 0.2762965 0.3369554 0.2898778 0.2869635 0.2962709 0.3003455 0.2668466
## 36233     36234     36235     36236     36237     36238     36239
## 1.3897014 0.3493921 0.3776617 0.4481549 0.2761327 0.2756821 0.2648264
## 36240     36241     36242     36243     36244     36245     36246
## 0.8422811 0.3810409 0.3353586 0.2902213 0.2645335 0.2634716 0.6272565
## 36247     36248     36249     36250     36251     36252     36253
## 0.3328938 0.2549327 0.7565422 0.2593483 0.2540315 0.2511379 0.8651471
## 36254     36255     36256     36257     36258     36259     36260
## 0.2750954 0.2651279 0.2508379 0.2559618 0.3929096 0.3978849 0.2527707
## 36261     36262     36263     36264     36265     36266     36267
## 0.2900057 0.2751320 0.6766101 0.2872271 0.2703657 0.2995015 0.2622275
## 36268     36269     36270     36271     36272     36273     36274
## 0.3276096 0.2620596 0.3303238 0.3590673 1.0105289 0.6351511 0.4178104
## 36275     36276     36277     36278     36279     36280     36281
## 0.2744322 0.2566651 0.2480674 0.4015875 0.3031608 0.2729719 0.3054877
## 36282     36283     36284     36285     36286     36287     36288
## 0.2616476 0.2565654 0.2712637 0.2643585 0.2648129 0.3543825 0.4373856
## 36289     36290     36291     36292     36293     36294     36295
## 0.2581359 0.2585568 0.2560782 0.2562016 0.4150594 0.3105428 0.3005999
## 36296     36297     36298     36299     36300     36301     36302
## 0.3844164 0.2912414 0.2753308 0.6767247 0.4913140 0.2588954 0.2548711
## 36303     36304     36305     36306     36307     36308     36309
## 0.2505254 0.2483667 0.6322556 0.2863661 0.2685248 0.5269885 0.3401179
## 36310     36311     36312     36313     36314     36315     36316
## 0.3066216 0.3502867 0.3049228 0.2655264 0.7164151 0.2876936 0.3899687
## 36317     36318     36319     36320     36321     36322     36323
## 0.2927250 0.2607017 0.2779589 0.2608072 0.2526455 0.2514841 0.3474032
## 36324     36325     36326     36327     36328     36329     36330
## 0.3119869 0.2919495 0.2936719 0.5860590 0.2588727 0.2706737 0.3149154
## 36331     36332     36333     36334     36335     36336     36337
## 0.4952989 0.4925034 0.2845631 0.2539424 0.2477784 0.2465836 0.2441890
## 36338     36339     36340     36341     36342     36343     36344
## 0.8616790 0.2956894 0.2506685 0.2690878 0.2470335 0.2595844 0.2673300
## 36345     36346     36347     36348     36349     36350     36351
## 0.2724294 0.2642780 0.4335341 0.2752260 0.2581923 0.5693404 0.2601959
## 36352     36353     36354     36355     36356     36357     36358
## 0.3399498 0.2467010 0.3631170 0.2917949 0.6728799 0.2791297 0.3080141
## 36359     36360     36361     36362     36363     36364     36365
## 0.2584878 0.2824292 1.7280539 0.4839037 0.4983267 0.5145772 0.3404814
## 36366     36367     36368     36369     36370     36371     36372

## 0.3270560 0.4106840 0.3555701 0.3195433 0.5706559 0.3918590 0.2912067
## 36373     36374     36375     36376     36377     36378     36379
## 0.4380920 0.3609420 0.3168759 0.3955174 0.3161578 0.3071880 0.3176264
## 36380     36381     36382     36383     36384     36385     36386

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## 0.2498435 0.2421198 0.3850558 0.2745123 0.2883935 0.2991893 0.2670222
## 36387 36388 36389 36390 36391 36392 36393
## 0.2716346 0.4646701 0.2682894 0.2535995 2.3917624 0.7318039 0.6514226
## 36394 36395 36396 36397 36398 36399 36400
## 0.4835592 0.4385508 0.3881472 0.6953668 0.3178753 0.2984472 0.6645748
## 36401 36402 36403 36404 36405 36406 36407
## 0.3612239 0.2997550 1.1533136 0.4989064 0.3098173 1.0492109 1.0331241
## 36408 36409 36410 36411 36412 36413 36414
## 0.5794563 1.0165986 0.9926680 0.3881464 1.5709489 0.6872387 0.5526597
## 36415 36416 36417 36418 36419 36420 36421
## 1.0747430 0.7400866 0.4903908 0.3612738 0.4769771 0.2776839 0.4967731
## 36422 36423 36424 36425 36426 36427 36428
## 0.2847115 0.2647744 0.2826230 0.2785518 0.2698438 0.2771868 0.5433319
## 36429 36430 36431 36432 36433 36434 36435
## 0.3232770 0.3087768 0.6923094 0.3200302 0.2624794 1.0775940 1.0775940
## 36436 36437 36438 36439 36440 36441 36442
## 0.4179747 0.4179747 0.6294554 0.3095227 0.3095227 0.4374775 0.3742145
## 36443 36444 36445 36446 36447 36448 36449
## 0.4419930 0.5712584 1.9195653 0.4142507 0.5486809 0.2978005 0.3641284
## 36450 36451 36452 36453 36454 36455 36456
## 1.1297170 0.4060029 0.3645831 2.4443213 0.9377293 0.5541987 0.5050498
## 36457 36458 36459 36460 36461 36462 36463
## 0.2785416 0.2710633 0.7630396 0.3848255 0.3124330 0.6846783 0.3324210
## 36464 36465 36466 36467 36468 36469 36470
## 0.2955047 0.2607984 0.2658433 0.2572678 0.4085134 0.2502771 0.2680265
## 36471 36472 36473 36474 36475 36476 36477
## 0.2618610 0.4206415 0.3599837 0.3613797 0.4399061 0.3661867 0.3581046
## 36478 36479 36480 36481 36482 36483 36484
## 0.3538337 0.2858402 0.2812000 0.3855807 0.4303755 0.3961282 0.3445254
## 36485 36486 36487 36488 36489 36490 36491
## 0.5169626 0.3081524 0.2942758 0.3104240 0.2670446 0.2950733 0.5299560
## 36492 36493 36494 36495 36496 36497 36498
## 0.3099473 0.2927302 0.4086524 0.3065346 0.3117174 1.4576514 0.9072133
## 36499 36500 36501 36502 36503 36504 36505
## 0.7086059 1.2100857 0.6533663 0.6226331 1.2634412 0.9256445 0.8681643
## 36506 36507 36508 36509 36510 36511 36512
## 1.2260614 0.5969937 0.9205847 1.1054880 0.8455343 0.6623608 0.6350590
## 36513 36514 36515 36516 36517 36518 36519
## 0.3103698 0.2761929 0.3923283 0.3294760 0.3025726 0.2929678 0.2779063
## 36520 36521 36522 36523 36524 36525 36526
## 0.2756161 0.4162191 0.2484121 0.2464501 0.4913258 0.2721993 0.2598160
## 36527 36528 36529 36530 36531 36532 36533
## 0.3516596 0.3516596 0.2792344 0.2792344 0.2431998 0.2431998 0.3428719
## 36534 36535 36536 36537 36538 36539 36540
## 0.2493952 0.2441324 0.4014392 0.2931609 0.3060459 0.2894978 0.2776040
## 36541 36542 36543 36544 36545 36546 36547
## 0.2859685 0.2880058 0.2745339 0.2765684 0.2994120 0.2992223 0.2875921
## 36548 36549 36550 36551 36552 36553 36554
## 0.3308979 0.2914370 0.3094906 0.3011436 0.2789240 0.2945361 0.3158099
## 36555 36556 36557 36558 36559 36560 36561

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## 0.2856113 0.2664811 0.4025094 0.3456189 0.3292313 0.2966951 0.2663463
## 36562 36563 36564 36565 36566 36567 36568
## 0.2719420 0.3119952 0.2647967 0.2573538 0.2772181 0.2449956 0.2426923
## 36569 36570 36571 36572 36573 36574 36575
## 0.2884058 0.2504017 0.2527312 0.2962461 0.2519834 0.2505130 0.2821515
## 36576 36577 36578 36579 36580 36581 36582
## 0.2452750 0.2445274 0.3776974 0.2765956 0.3200669 0.2822866 0.2574514
## 36583 36584 36585 36586 36587 36588 36589
## 0.2569367 0.2664646 0.2524662 0.2553534 0.3072992 0.2480210 0.2450281
## 36590 36591 36592 36593 36594 36595 36596
## 0.3005335 0.2520979 0.2419460 0.2481941 0.2629898 0.2406246 0.2603538
## 36597 36598 36599 36600 36601 36602 36603
## 0.2647768 0.2517539 0.2447064 0.2613093 0.2465154 0.2550036 0.2522453
## 36604 36605 36606 36607 36608 36609 36610
## 0.2494832 0.2710173 0.2573751 0.2574070 0.2762173 0.2645923 0.3272103
## 36611 36612 36613 36614 36615 36616 36617
## 0.2676908 0.2639580 0.2677974 0.3473555 0.2852095 0.3019541 0.2806904
## 36618 36619 36620 36621 36622 36623 36624
## 0.2777864 0.2806288 0.2757279 0.2675206 0.2614412 0.2642345 0.2575175
## 36625 36626 36627 36628 36629 36630 36631
## 0.2754612 0.2529671 0.2613560 0.2634259 0.3511512 0.2658650 0.2656035
## 36632 36633 36634 36635 36636 36637 36638
## 0.2576363 0.2854102 0.2496945 0.2771476 0.2568577 0.2886216 0.2902922
## 36639 36640 36641 36642 36643 36644 36645
## 0.2485207 0.3233417 0.2482808 0.2451618 0.2437955 0.3595815 0.2594410
## 36646 36647 36648 36649 36650 36651 36652
## 0.2625316 0.2954205 0.2658822 0.3316051 0.2741956 0.2637885 0.2600798
## 36653 36654 36655 36656 36657 36658 36659
## 0.3551064 0.2558611 0.2589304 0.2852470 0.2842813 0.2729862 0.3716321
## 36660 36661 36662 36663 36664 36665 36666
## 0.2655716 0.2618111 0.2680217 0.2610416 0.2633140 0.2901518 0.2701308
## 36667 36668 36669 36670 36671 36672 36673
## 0.2754169 0.4637857 0.3285280 0.2747646 0.3120431 0.2762303 0.2789839
## 36674 36675 36676 36677 36678 36679 36680
## 0.2580212 0.2631347 0.2669989 0.3694946 0.2707058 0.2586092 0.2505286
## 36681 36682 36683 36684 36685 36686 36687
## 0.2531626 0.2654811 0.2795623 0.2796714 0.2565177 0.2527215 0.2515592
## 36688 36689 36690 36691 36692 36693 36694
## 0.2561959 0.2971668 0.2533481 0.2527240 0.3444477 0.2506275 0.2500289
## 36695 36696 36697 36698 36699 36700 36701
## 0.3385641 0.2589193 0.2506952 0.3310051 0.2628476 0.3048214 0.2589178
## 36702 36703 36704 36705 36706 36707 36708
## 0.2847205 0.3000583 0.2810874 0.2666553 0.2562828 0.4930839 0.3029890
## 36709 36710 36711 36712 36713 36714 36715
## 0.2795572 0.3464986 0.2546900 0.2506749 0.4794714 0.2466370 0.2430324
## 36716 36717 36718 36719 36720 36721 36722
## 0.3140862 0.2475812 0.2458908 0.2851441 0.2600947 0.3519061 0.3301262
## 36723 36724 36725 36726 36727 36728 36729
## 0.2684373 0.2546448 0.2536720 0.2469181 0.2493776 0.2982009 0.2582321
## 36730 36731 36732 36733 36734 36735 36736

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## 0.2521252 0.3335358 0.3738381 0.3481481 0.3340619 0.3180370 0.3240639
## 36737     36738     36739     36740     36741     36742     36743
## 0.4049945 0.2600959 0.2551911 0.2709111 0.2577795 0.2612446 0.3418641
## 36744     36745     36746     36747     36748     36749     36750
## 0.2523425 0.2509644 0.2637136 0.2497244 0.2564137 0.2559640 0.2558758
## 36751     36752     36753     36754     36755     36756     36757
## 0.2621935 0.2513213 0.2691465 0.2531636 0.2566376 0.2477445 0.2488769
## 36758     36759     36760     36761     36762     36763     36764
## 0.3212730 0.2543259 0.2492963 0.2658966 0.2626467 0.2733823 0.3251671
## 36765     36766     36767     36768     36769     36770     36771
## 0.2641480 0.2631200 0.2781806 0.3322844 0.3294888 0.2825043 0.2641802
## 36772     36773     36774     36775     36776     36777     36778
## 0.2622432 0.2935372 0.2901459 0.2493119 0.2672608 0.2477244 0.2633277
## 36779     36780     36781     36782     36783     36784     36785
## 0.3081964 0.2589231 0.2658424 0.2388737 0.2388737 0.2382550 0.2382550
## 36786     36787     36788     36789     36790     36791     36792
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2410657 0.2438765 0.2382550
## 36793     36794     36795     36796     36797     36798     36799
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 36800     36801     36802     36803     36804     36805     36806
## 0.2382550 0.2382550 0.2390357 0.2390357 0.5239341 0.2914407 0.2874750
## 36807     36808     36809     36810     36811     36812     36813
## 0.7698843 0.5033987 0.3928007 0.3227330 0.3160731 0.2931382 0.2777346
## 36814     36815     36816     36817     36818     36819     36820
## 0.2627789 0.2604379 0.3774007 0.3218139 0.3046556 0.2698500 0.2656729
## 36821     36822     36823     36824     36825     36826     36827
## 0.2716327 0.2642528 0.2577643 0.2548456 0.2770241 0.2569285 0.2586208
## 36828     36829     36830     36831     36832     36833     36834
## 0.7267056 0.5773860 0.5353208 1.4755404 1.1100969 0.7577379 1.3247950
## 36835     36836     36837     36838     36839     36840     36841
## 0.3969277 0.2952061 1.4772299 0.5267060 0.3111738 1.3450978 0.9969903
## 36842     36843     36844     36845     36846     36847     36848
## 0.6099725 1.2000430 0.8105693 1.0583311 1.4862091 1.1692222 0.7254029
## 36849     36850     36851     36852     36853     36854     36855
## 1.5411366 0.9384821 0.5725876 0.2509427 0.2462058 0.2440196 0.3761487
## 36856     36857     36858     36859     36860     36861     36862
## 0.5242249 0.3124781 0.3842003 0.2677442 0.3078956 0.5244567 0.5061682
## 36863     36864     36865     36866     36867     36868     36869
## 0.4198200 0.3343862 0.2849117 0.8845058 0.3033339 0.4451835 0.3267551
## 36870     36871     36872     36873     36874     36875     36876
## 0.7541396 0.3684470 0.4142299 0.9360483 0.7038744 0.3937161 0.3991669
## 36877     36878     36879     36880     36881     36882     36883
## 0.4659221 0.3124968 0.3640650 0.4989955 0.2990474 0.3387449 0.8135578
## 36884     36885     36886     36887     36888     36889     36890
## 0.2836524 0.2812717 0.4608215 0.6593257 0.2949401 0.4119339 0.3666371
## 36891     36892     36893     36894     36895     36896     36897

## 0.6522559 0.4453651 0.4093632 0.3168081 0.3920912 0.2650931 0.3824894
## 36898     36899     36900     36901     36902     36903     36904
## 0.4546969 0.2619231 0.3454608 0.2962510 0.4948010 0.2532563 0.2992449
## 36905     36906     36907     36908     36909     36910     36911

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## 0.2662408 0.4380510 0.3620075 0.2940696 0.3077450 0.2785373 0.2852054
## 36912 36913 36914 36915 36916 36917 36918
## 0.5699057 0.3060882 0.5107131 0.3176895 0.3989444 0.2969695 0.7725493
## 36919 36920 36921 36922 36923 36924 36925
## 0.5775505 0.5869702 0.3580283 0.3304825 0.3681816 0.2889337 0.2721051
## 36926 36927 36928 36929 36930 36931 36932
## 0.3139693 0.7424307 0.4179282 0.4082733 0.3627510 0.2889637 0.5900239
## 36933 36934 36935 36936 36937 36938 36939
## 0.4138143 0.2669778 0.4793854 0.3664441 0.2708223 0.3381639 0.3119260
## 36940 36941 36942 36943 36944 36945 36946
## 0.2630714 0.2907747 0.5860575 0.5354649 0.3284750 0.2813329 0.8858984
## 36947 36948 36949 36950 36951 36952 36953
## 0.3313407 0.2801862 0.3016433 0.2647977 0.5091959 0.4637273 0.2836114
## 36954 36955 36956 36957 36958 36959 36960
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## 36961 36962 36963 36964 36965 36966 36967
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## 36968 36969 36970 36971 36972 36973 36974
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## 36982 36983 36984 36985 36986 36987 36988
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## 36989 36990 36991 36992 36993 36994 36995
## 0.2697283 0.2873433 0.2869436 0.2818380 2.0915493 0.6534815 0.3976278
## 36996 36997 36998 36999 37000 37001 37002
## 0.3891603 0.4596782 0.3534051 0.3782789 0.3841179 0.3354556 0.3907951
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## 0.3659171 0.3231239 0.3513396 0.2462331 0.2449448 0.2897543 0.2574107
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## 0.2433169 0.2411128 0.2446153 0.2449847 0.2969494 0.2521938 0.2509906
## 38865    38866    38867    38868    38869    38870    38871
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## 38872    38873    38874    38875    38876    38877    38878
## 0.2696040 0.2633449 0.4006056 0.3425299 0.2722053 0.3319799 0.2642571
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## 0.2977006 0.2911031 0.3314385 0.2474104 0.2469679 0.5574156 0.2565831
## 38886    38887    38888    38889    38890    38891    38892
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## 38893    38894    38895    38896    38897    38898    38899
## 0.3663053 0.2477821 0.2445032 0.3983636 0.2548503 0.2437081 0.5064368
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## 38935    38936    38937    38938    38939    38940    38941
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## 0.2445221 0.2421147 0.5287195 0.2713895 0.2516321 0.6959553 0.2811235
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## 0.2770437 1.0661424 0.4585782 0.3358665 0.2878108 0.2573090 0.2574290
## 38984    38985    38986    38987    38988    38989    38990
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## 38991    38992    38993    38994    38995    38996    38997

## 2.1653941 0.9017731 0.5079806 0.3560175 0.3082494 0.3008162 1.4110054
## 38998    38999    39000    39001    39002    39003    39004
## 0.4325363 0.3878715 0.4732326 0.3751621 0.3766090 1.0677304 0.5896256
## 39005    39006    39007    39008    39009    39010    39011

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## 0.5080002 1.4712898 1.0944497 0.9282299 1.0611953 0.6111871 0.5660825
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## 0.2382550 0.2390357 0.2390357 0.2398165 0.9537331 0.7279524 1.0139871
## 39376      39377      39378      39379      39380      39381      39382
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## 0.3342937 0.7776604 0.6987491 0.4068304 0.2500829 0.2533231 0.2973223
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## 0.3001726 0.3026521 0.3411282 0.3444975 0.3358557 0.2909301 0.3002451
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## 0.2759827 0.2695973 0.2999200 0.3100364 0.2886472 0.2731166 0.3017430
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## 0.2763043 0.2791613 0.2543270 0.2475604 0.2523621 0.3736434 0.2625770
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## 0.2679857 0.6766477 0.2976429 0.2688533 0.9307680 0.5612224 0.4390721
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## 39516      39517      39518      39519      39520      39521      39522

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## 0.5150581 0.5583718 0.4597649 0.4775892 0.4472249 0.3604585 0.4588486
## 39530      39531      39532      39533      39534      39535      39536

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## 0.4130550 0.4216021 0.4118741 0.3376808 0.2696304 0.6810841 0.4054036
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## 39873 39874 39875 39876 39877 39878 39879
## 0.2641516 0.2452727 0.2386453 0.2386453 0.2382550 0.2382550 0.2382550
## 39880 39881 39882 39883 39884 39885 39886

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## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 39887     39888     39889     39890     39891     39892     39893
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2405973
## 39894     39895     39896     39897     39898     39899     39900
## 0.2382550 0.2390357 0.2382550 0.2390357 0.2382550 0.2473340 0.2483099
## 39901     39902     39903     39904     39905     39906     39907
## 0.2473340 0.2473340 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 39908     39909     39910     39911     39912     39913     39914
## 0.2382550 0.2382550 0.2382550 0.5879792 0.3958223 0.3608521 0.6918878
## 39915     39916     39917     39918     39919     39920     39921
## 0.6687826 0.4364748 0.7923202 0.4394994 0.4088695 0.7926028 0.5451703
## 39922     39923     39924     39925     39926     39927     39928
## 0.4076345 0.5405609 0.6150166 0.8268477 0.7237721 0.4437644 0.3763269
## 39929     39930     39931     39932     39933     39934     39935
## 0.6052795 0.3993668 0.3582651 0.8543737 0.5344695 0.4993609 0.4352094
## 39936     39937     39938     39939     39940     39941     39942
## 0.2424321 0.2384501 0.2393610 0.2948753 0.2958161 0.3003741 0.2862149
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## 0.2409619 0.2430699 0.3318700 0.2396213 0.2398165 1.3589166 0.9443007
## 39950     39951     39952     39953     39954     39955     39956
## 0.5252717 1.5528268 0.6652557 0.3766750 0.3361016 0.9601530 0.7112646
## 39957     39958     39959     39960     39961     39962     39963
## 0.4389174 1.6344784 2.0434170 1.5758081 1.3384401 1.3354162 1.7185416
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## 1.1648927 0.9014234 1.6695274 0.7343500 0.4731100 0.4060194 1.4444484
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## 1.0223431 0.5231306 0.4932578 1.4769212 1.0397089 0.9079167 0.5391894
## 39978     39979     39980     39981     39982     39983     39984
## 1.2035273 0.4667891 0.6445471 1.1721494 0.5621024 0.4251522 0.7919284
## 39985     39986     39987     39988     39989     39990     39991
## 0.5866906 0.4821219 0.2384501 0.2384501 0.2384501 0.2385673 0.2382550
## 39992     39993     39994     39995     39996     39997     39998
## 0.2382550 0.5084631 1.7375906 0.3761262 0.5998760 0.7559479 0.3095171
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## 0.4891358 0.5074549 0.4661651 0.5142833 0.4224401 0.3199425 0.4208209
## 40006     40007     40008     40009     40010     40011     40012
## 0.3641809 0.3198778 0.5805283 0.2902410 0.2837137 0.6192921 0.3100839
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## 0.2794150 0.6345522 0.3044148 0.2974820 0.4072634 0.3014066 0.2881295
## 40020     40021     40022     40023     40024     40025     40026
## 0.5386898 0.3877615 0.4586192 0.3268677 0.4761706 0.3740740 0.3535193
## 40027     40028     40029     40030     40031     40032     40033
## 0.3966771 0.3055237 0.4080226 0.9522916 0.3196855 0.4141713 0.3153952
## 40034     40035     40036     40037     40038     40039     40040
## 0.2885306 0.6512820 0.3509889 0.3027537 0.9071746 0.4919313 0.3092554
## 40041     40042     40043     40044     40045     40046     40047

## 0.5992168 0.4573914 0.3001137 0.8073875 0.8403181 0.3908214 0.3970476
## 40048     40049     40050     40051     40052     40053     40054
## 0.3047898 0.3021997 0.6344904 0.3260912 0.3042197 0.8286706 0.4441017
## 40055     40056     40057     40058     40059     40060     40061

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## 0.3963714 0.5768671 0.4285304 0.3084308 0.7299560 0.3858307 0.3137091
## 40062 40063 40064 40065 40066 40067 40068
## 1.9074051 0.5837445 0.4480735 0.7406833 0.3669468 0.3729517 0.4365487
## 40069 40070 40071 40072 40073 40074 40075
## 0.3648319 0.3393873 0.5058130 0.5772047 0.3065023 0.6649072 0.2735024
## 40076 40077 40078 40079 40080 40081 40082
## 0.2988070 0.3428320 0.2894290 0.2747006 0.5962761 0.3657697 0.3165424
## 40083 40084 40085 40086 40087 40088 40089
## 0.9504906 0.5696315 0.3503930 0.8362349 0.3961521 0.3116008 0.8301772
## 40090 40091 40092 40093 40094 40095 40096
## 0.4320251 0.8208242 0.3450476 0.6809682 0.3887708 0.6726769 0.4453040
## 40097 40098 40099 40100 40101 40102 40103
## 0.3793668 0.8956679 0.5073055 0.3857886 0.4013021 0.6478226 0.2954837
## 40104 40105 40106 40107 40108 40109 40110
## 0.4379726 0.2795371 0.3448715 0.3367054 0.2844242 0.2750477 0.4519993
## 40111 40112 40113 40114 40115 40116 40117
## 0.4000776 0.2821443 0.6905160 0.3010354 0.2731625 0.5121023 0.4355687
## 40118 40119 40120 40121 40122 40123 40124
## 0.2964168 0.3842652 0.3843006 0.2939823 0.7149939 0.3154435 0.3220807
## 40125 40126 40127 40128 40129 40130 40131
## 0.7145861 0.4584326 0.3729526 1.2059895 0.5315189 0.3944453 0.2434441
## 40132 40133 40134 40135 40136 40137 40138
## 0.2434441 0.2434441 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 40139 40140 40141 40142 40143 40144 40145
## 0.2382550 0.2846340 0.2473918 0.2439824 0.3166798 0.2481447 0.2526412
## 40146 40147 40148 40149 40150 40151 40152
## 0.2473392 0.2429786 0.2443449 0.3188349 0.2437014 0.2451331 0.9135781
## 40153 40154 40155 40156 40157 40158 40159
## 0.3927136 0.8848697 0.4067926 0.6644403 0.3607685 0.4895749 0.4457279
## 40160 40161 40162 40163 40164 40165 40166
## 0.3676678 1.8910654 0.9040146 0.5230952 1.0451363 0.5149550 0.4846674
## 40167 40168 40169 40170 40171 40172 40173
## 0.7738060 0.6173981 0.3534204 0.9158497 0.4663171 0.4386890 2.2560127
## 40174 40175 40176 40177 40178 40179 40180
## 1.2355614 0.5784477 0.8170794 0.3549000 0.3122994 0.9189581 0.3829241
## 40181 40182 40183 40184 40185 40186 40187
## 0.3134564 1.1942408 0.4911251 0.6274573 0.8391636 0.5278911 0.4581500
## 40188 40189 40190 40191 40192 40193 40194
## 0.5668426 0.4542114 0.3720185 0.7341832 0.3332419 0.4304968 0.9208430
## 40195 40196 40197 40198 40199 40200 40201
## 0.6142955 0.5882897 1.0446834 0.4046926 0.4086157 0.2382550 0.2382550
## 40202 40203 40204 40205 40206 40207 40208
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2424682 0.2382550 0.2382550
## 40209 40210 40211 40212 40213 40214 40215
## 0.2389967 0.2422108 0.2385673 0.2395823 0.2401548 0.2419246 0.2382550
## 40216 40217 40218 40219 40220 40221 40222
## 0.2382550 0.2382550 0.9450065 0.6905349 0.5907290 1.8947799 1.5468241
## 40223 40224 40225 40226 40227 40228 40229
## 1.0209106 1.4935494 1.1700773 1.0371737 0.3557890 0.2877723 0.2784762
## 40230 40231 40232 40233 40234 40235 40236

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## 0.3998007 0.3199417 0.2829919 0.4046078 0.4014033 0.3458640 0.3123605
## 40237 40238 40239 40240 40241 40242 40243
## 0.4164685 0.3136216 0.4232415 0.4175814 0.4090307 0.3645541 0.6707674
## 40244 40245 40246 40247 40248 40249 40250
## 0.5566020 0.4846312 0.4575831 0.4385687 0.3971768 0.5445461 0.3524799
## 40251 40252 40253 40254 40255 40256 40257
## 0.3274763 0.3833378 0.3075248 0.2947290 0.3788708 0.3273330 0.3196290
## 40258 40259 40260 40261 40262 40263 40264
## 0.3917699 0.3417517 0.3726048 0.3947986 0.3357977 0.3342994 0.4049678
## 40265 40266 40267 40268 40269 40270 40271
## 0.3050226 0.2873873 0.5007345 0.3202465 0.2794857 0.5269652 0.2831148
## 40272 40273 40274 40275 40276 40277 40278
## 0.2739066 0.3608724 0.2746589 0.2697270 0.4686138 0.2822170 0.2772348
## 40279 40280 40281 40282 40283 40284 40285
## 0.4593858 0.3992673 0.3999613 0.5296153 0.5729647 0.5420183 0.5448593
## 40286 40287 40288 40289 40290 40291 40292
## 0.3882514 0.3636861 0.4890736 0.4408085 0.3723130 1.4514919 0.9843828
## 40293 40294 40295 40296 40297 40298 40299
## 0.5606264 0.2382550 0.2384111 0.2382550 0.2382550 0.2382550 0.2382550
## 40300 40301 40302 40303 40304 40305 40306
## 0.2447353 0.2382550 0.2382550 0.2386453 0.2382550 0.2382550 0.2386453
## 40307 40308 40309 40310 40311 40312 40313
## 0.2382550 0.2382550 0.2382550 0.2384501 0.2384501 0.2461667 0.2415732
## 40314 40315 40316 40317 40318 40319 40320
## 0.2425622 0.2382550 0.2382550 0.2382550 0.3420687 0.2583876 0.2573007
## 40321 40322 40323 40324 40325 40326 40327
## 0.3192873 0.2617077 0.2613176 0.3008646 0.2608018 0.2577568 0.2897494
## 40328 40329 40330 40331 40332 40333 40334
## 0.3611584 0.3669196 0.3483578 0.2890938 0.3352856 0.2747252 0.3040740
## 40335 40336 40337 40338 40339 40340 40341
## 0.2520729 0.2471528 0.2494472 0.2471297 0.3277333 0.2577640 0.2514628
## 40342 40343 40344 40345 40346 40347 40348
## 0.3975265 0.2630545 0.2614179 0.2879385 0.3543426 0.2481408 0.3037988
## 40349 40350 40351 40352 40353 40354 40355
## 0.2462448 0.2681936 0.3073356 0.2691224 0.2847872 0.3299955 0.3631575
## 40356 40357 40358 40359 40360 40361 40362
## 0.2555882 0.2775600 0.2597523 0.2721928 0.3123439 0.2542438 0.3179181
## 40363 40364 40365 40366 40367 40368 40369
## 0.2447795 0.2629289 0.2684962 0.4843386 0.2665709 0.2638395 0.3136443
## 40370 40371 40372 40373 40374 40375 40376
## 0.2448277 0.2456618 0.4552006 0.3426953 0.2901551 0.3133503 0.2545770
## 40377 40378 40379 40380 40381 40382 40383
## 0.2540747 0.4108179 0.2650854 0.2630293 0.2474231 0.2487693 0.2455613
## 40384 40385 40386 40387 40388 40389 40390
## 0.3824125 0.2620909 0.2602053 0.2934201 0.2479462 0.2465063 0.3900491
## 40391 40392 40393 40394 40395 40396 40397
## 0.2509931 0.2473066 0.2586320 0.2421028 0.2418165 0.2928441 0.2540721
## 40398 40399 40400 40401 40402 40403 40404
## 0.2555056 0.2619596 0.2474290 0.2503920 0.3533232 0.2682214 0.2678102
## 40405 40406 40407 40408 40409 40410 40411

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## 0.2485936 0.2442043 0.2453755 0.2960265 0.2440742 0.2472454 0.2745826
## 40412     40413     40414     40415     40416     40417     40418
## 0.2567450 0.2581210 0.2875136 0.2582296 0.2563427 0.2878596 0.2597598
## 40419     40420     40421     40422     40423     40424     40425
## 0.2562363 0.2829593 0.2522219 0.2553538 0.2760311 0.3718980 0.3518427
## 40426     40427     40428     40429     40430     40431     40432
## 0.3517542 0.4758713 0.4739263 0.5148511 0.3840918 0.4501499 0.3754883
## 40433     40434     40435     40436     40437     40438     40439
## 0.4108791 0.3546673 0.3230862 0.3536233 0.2487953 0.2894968 0.2698100
## 40440     40441     40442     40443     40444     40445     40446
## 0.2418465 0.2456032 0.2439115 0.2399556 0.2407364 0.3547058 0.2691633
## 40447     40448     40449     40450     40451     40452     40453
## 0.2452688 0.2568969 0.2464700 0.2488241 0.3588689 0.2500946 0.2398946
## 40454     40455     40456     40457     40458     40459     40460
## 0.6908894 0.5992907 0.3889478 0.4023680 0.2958937 0.2847119 2.0964164
## 40461     40462     40463     40464     40465     40466     40467
## 0.6040068 0.4332284 0.3353182 0.3129661 0.3026395 0.4641564 0.3558838
## 40468     40469     40470     40471     40472     40473     40474
## 0.2868299 0.8191058 0.3313141 0.3612983 0.2697457 0.2524383 0.2475187
## 40475     40476     40477     40478     40479     40480     40481
## 0.4708442 0.3825530 0.3254713 0.2788483 0.2650806 0.2838036 0.6265028
## 40482     40483     40484     40485     40486     40487     40488
## 0.3653383 0.3306806 0.3701681 0.4143419 0.3259383 0.5609237 0.4122518
## 40489     40490     40491     40492     40493     40494     40495
## 0.4842935 0.2626456 0.3071610 0.2657373 0.5057482 0.3671515 0.5313329
## 40496     40497     40498     40499     40500     40501     40502
## 0.3158192 0.5513404 0.3770561 1.0583190 0.4224846 0.3340510 0.3253099
## 40503     40504     40505     40506     40507     40508     40509
## 2.0620670 0.8460230 0.4719210 0.5536193 1.0620697 0.3709729 1.0282182
## 40510     40511     40512     40513     40514     40515     40516
## 0.3130882 0.4171125 0.2784599 0.2802190 0.2745952 0.2645348 0.3779934
## 40517     40518     40519     40520     40521     40522     40523
## 0.3766500 0.4385831 0.8143325 0.3559906 0.3072140 0.3399624 0.2987154
## 40524     40525     40526     40527     40528     40529     40530
## 0.2815756 0.4577195 0.2842467 0.2835360 0.2651486 0.3727324 0.2954536
## 40531     40532     40533     40534     40535     40536     40537
## 0.2881250 0.3416747 0.2534074 0.2468216 0.3266763 0.3383682 0.2456750
## 40538     40539     40540     40541     40542     40543     40544
## 0.2934150 0.2459338 0.2835256 0.3146911 0.3691008 0.2568173 0.2973652
## 40545     40546     40547     40548     40549     40550     40551
## 0.2468216 0.2460590 0.5158943 0.4026502 0.3802337 0.3550285 0.3417648
## 40552     40553     40554     40555     40556     40557     40558
## 0.3401777 0.3072830 0.2901217 0.2998288 0.4171911 0.3530565 0.3684752
## 40559     40560     40561     40562     40563     40564     40565
## 0.5357534 0.4152739 0.3830167 0.3488390 0.3039635 0.3114051 0.3882446
## 40566     40567     40568     40569     40570     40571     40572

## 0.3365643 0.3331551 0.4058331 0.3677615 0.3642186 0.6332403 0.3403272
## 40573     40574     40575     40576     40577     40578     40579
## 0.2971699 0.4900911 0.2449796 0.2442278 0.2600195 0.2426012 0.2392960
## 40580     40581     40582     40583     40584     40585     40586

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## 0.2382550 0.2382550 0.2382550 0.2384111 0.2393480 0.2385673 0.2437724
## 40587 40588 40589 40590 40591 40592 40593
## 0.2498884 0.2445141 0.2446182 0.2413780 0.2411828 0.2398425 0.2388015
## 40594 40595 40596 40597 40598 40599 40600
## 0.2388015 0.2443449 0.2382550 0.2382550 0.2382550 0.2382550 0.2425362
## 40601 40602 40603 40604 40605 40606 40607
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2385673 0.2384111 0.2382550
## 40608 40609 40610 40611 40612 40613 40614
## 0.2382550 0.2392309 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 40615 40616 40617 40618 40619 40620 40621
## 0.2382550 0.2385673 0.2382550 0.2382550 0.2384111 0.2388015 0.2395823
## 40622 40623 40624 40625 40626 40627 40628
## 0.2626535 0.2386453 0.2446963 0.2382550 0.2406233 0.2410397 0.2385673
## 40629 40630 40631 40632 40633 40634 40635
## 0.2391919 0.2382550 0.2411438 0.2382550 0.2395042 0.2386453 0.2393353
## 40636 40637 40638 40639 40640 40641 40642
## 0.2400767 0.2409228 0.2386453 0.2451672 0.2385152 0.2392960 0.2382550
## 40643 40644 40645 40646 40647 40648 40649
## 0.2398165 0.2409876 0.2393480 0.2382550 0.2382550 0.2408966 0.2382550
## 40650 40651 40652 40653 40654 40655 40656
## 0.2435961 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 40657 40658 40659 40660 40661 40662 40663
## 0.2392960 0.2390357 0.2382550 0.2390357 0.2382550 0.2382550 0.2382550
## 40664 40665 40666 40667 40668 40669 40670
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.3242343
## 40671 40672 40673 40674 40675 40676 40677
## 0.2639883 0.2675724 0.4053873 0.3039574 0.3046927 0.3228619 0.3124391
## 40678 40679 40680 40681 40682 40683 40684
## 0.3012978 0.3547200 0.3428183 0.3385219 0.2980303 0.4744905 0.7998947
## 40685 40686 40687 40688 40689 40690 40691
## 0.3633961 0.3872903 0.3175613 0.6896997 0.3360151 0.3190548 0.3059916
## 40692 40693 40694 40695 40696 40697 40698
## 0.6879759 0.2935071 0.4295862 0.2822244 0.3141844 0.3573025 0.3055445
## 40699 40700 40701 40702 40703 40704 40705
## 0.3088952 0.2865802 0.3057426 0.3769158 0.2636388 0.2719902 0.8837741
## 40706 40707 40708 40709 40710 40711 40712
## 0.3543742 0.2679471 0.2831789 0.4232851 0.2789425 0.2710525 0.3455344
## 40713 40714 40715 40716 40717 40718 40719
## 0.2795689 0.2765945 0.3228504 0.2680062 0.3447925 0.3815384 0.2903340
## 40720 40721 40722 40723 40724 40725 40726
## 0.3814326 0.3404371 0.2692036 0.3447372 0.3448109 0.2908352 0.2920236
## 40727 40728 40729 40730 40731 40732 40733
## 0.3086355 0.3942141 0.2839420 0.3897540 0.3177942 0.3070088 0.3477769
## 40734 40735 40736 40737 40738 40739 40740
## 0.2997284 0.2863178 0.4908118 0.3343081 0.2668690 0.3419060 0.2792936
## 40741 40742 40743 40744 40745 40746 40747
## 0.2979979 0.2630043 0.2724304 0.6792283 0.2701686 0.3134181 0.2792926
## 40748 40749 40750 40751 40752 40753 40754
## 0.4316145 0.3430727 0.2612595 0.3801709 0.2785707 0.3476509 0.2573695
## 40755 40756 40757 40758 40759 40760 40761

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## 0.5103337 0.4042888 0.2631710 0.2953152 0.2822466 0.3116796 0.4057945
## 40762 40763 40764 40765 40766 40767 40768
## 0.2929126 0.2794288 0.3104456 0.2966395 0.2803067 0.2512529 0.4046647
## 40769 40770 40771 40772 40773 40774 40775
## 0.3017012 0.2533180 0.3183309 0.2919836 0.4105689 0.4063857 0.4063857
## 40776 40777 40778 40779 40780 40781 40782
## 0.3299659 0.3355866 0.3355866 0.2750463 0.4155037 0.3435078 0.3435078
## 40783 40784 40785 40786 40787 40788 40789
## 0.3191749 0.3328684 0.3193771 0.2810899 0.3222122 0.3127460 0.2533347
## 40790 40791 40792 40793 40794 40795 40796
## 0.3066229 0.2582861 0.2500516 0.2607519 0.3545961 0.2653071 0.2632015
## 40797 40798 40799 40800 40801 40802 40803
## 0.3469098 0.2875953 0.2906492 0.3504804 0.2523695 0.2520699 0.3246057
## 40804 40805 40806 40807 40808 40809 40810
## 0.2927185 0.3208826 0.7872766 0.3525815 0.3182565 0.2936801 0.2988780
## 40811 40812 40813 40814 40815 40816 40817
## 0.2911486 1.1094357 0.5631115 0.3102299 0.2963567 0.2839648 0.3095516
## 40818 40819 40820 40821 40822 40823 40824
## 0.4063206 0.3595371 0.8103168 0.3377506 0.3370980 0.2993097 0.5365199
## 40825 40826 40827 40828 40829 40830 40831
## 0.6659761 0.3291019 0.3254366 0.3241896 0.3129198 0.3491500 0.3005692
## 40832 40833 40834 40835 40836 40837 40838
## 0.2870418 0.3100695 0.2716121 0.4259541 0.3547982 0.2993247 0.4268165
## 40839 40840 40841 40842 40843 40844 40845
## 0.2611425 0.2537925 0.3931790 0.2639060 0.2664508 0.2998268 0.2637253
## 40846 40847 40848 40849 40850 40851 40852
## 0.2661775 0.3010174 0.2713954 0.2722120 0.8758627 0.3408009 0.3195178
## 40853 40854 40855 40856 40857 40858 40859
## 0.3085618 0.2749637 0.2686685 0.9526938 1.1981666 0.5384748 0.5603154
## 40860 40861 40862 40863 40864 40865 40866
## 0.3228072 0.2764970 0.2595763 0.2577749 0.2528839 0.2713756 0.3584158
## 40867 40868 40869 40870 40871 40872 40873
## 0.3120464 0.3042332 1.7685713 0.4822692 0.3282714 0.6104457 0.3044411
## 40874 40875 40876 40877 40878 40879 40880
## 0.4376521 0.2766611 0.2950588 0.2846892 0.3894439 0.3205990 0.3283957
## 40881 40882 40883 40884 40885 40886 40887
## 0.4914665 0.7275201 0.6832689 0.2981354 0.3164658 0.3220048 0.3488228
## 40888 40889 40890 40891 40892 40893 40894
## 0.5926770 0.2688669 0.2755189 0.4304795 0.3089375 0.2773033 0.2964568
## 40895 40896 40897 40898 40899 40900 40901
## 0.3278568 0.2990297 0.3129735 0.4439771 0.2896051 0.2765583 0.3940065
## 40902 40903 40904 40905 40906 40907 40908
## 0.3020906 0.2918648 0.3352870 0.2743572 0.2730214 0.3554984 0.2945965
## 40909 40910 40911 40912 40913 40914 40915
## 1.3327895 0.3126968 0.5407119 0.3142563 0.5013686 0.3034214 0.2747531
## 40916 40917 40918 40919 40920 40921 40922
## 0.2826952 0.3912285 0.2928465 0.2952345 0.5240490 0.3053541 0.2683131
## 40923 40924 40925 40926 40927 40928 40929
## 0.2808302 0.3240308 1.2251492 0.3020601 0.5065114 0.2971260 0.3269357
## 40930 40931 40932 40933 40934 40935 40936

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## 0.5904493 0.3247363 0.3017116 0.3845500 0.3132286 0.3148215 0.3167890
## 40937     40938     40939     40940     40941     40942     40943
## 0.2982756 0.3000018 0.6335632 0.3175755 0.3010156 0.3940131 0.3398562
## 40944     40945     40946     40947     40948     40949     40950
## 0.3154208 0.4364088 0.3730794 0.3011908 0.3736811 0.2715967 0.2606922
## 40951     40952     40953     40954     40955     40956     40957
## 0.3102712 0.2591693 0.2544662 0.3279782 0.2783334 0.2913923 0.4999525
## 40958     40959     40960     40961     40962     40963     40964
## 0.2570194 0.2494961 0.2652417 0.4532717 0.3302791 0.2945795 0.8226286
## 40965     40966     40967     40968     40969     40970     40971
## 0.3369875 0.3048753 0.2995845 0.3534433 0.2927419 0.2966907 0.3737613
## 40972     40973     40974     40975     40976     40977     40978
## 0.2764206 0.2799242 0.3312688 0.2813670 0.2696583 0.6288147 0.4883904
## 40979     40980     40981     40982     40983     40984     40985
## 0.3746612 0.4947313 0.3155598 0.2981348 0.7065757 1.0383120 0.5167548
## 40986     40987     40988     40989     40990     40991     40992
## 0.5032459 0.6379607 0.3766694 0.3790778 0.8112448 0.3677315 0.3289755
## 40993     40994     40995     40996     40997     40998     40999
## 0.3174142 0.2815499 0.4563205 0.4411394 0.2876579 0.2622745 0.2795622
## 41000     41001     41002     41003     41004     41005     41006
## 0.2742598 0.2745804 0.4272005 0.2591742 0.2564848 0.4390299 0.2849990
## 41007     41008     41009     41010     41011     41012     41013
## 0.3120961 0.3207159 0.3231002 0.2670288 0.2638507 0.4593643 0.3101977
## 41014     41015     41016     41017     41018     41019     41020
## 0.3242359 0.2848634 0.2912801 0.2482748 0.2461898 0.2464400 0.2452919
## 41021     41022     41023     41024     41025     41026     41027
## 0.2436320 0.2435670 0.2425247 0.2524870 0.2435642 0.2506171 0.2626234
## 41028     41029     41030     41031     41032     41033     41034
## 0.2566374 0.2481707 0.2504089 0.2454263 0.2461147 0.2960418 0.2425433
## 41035     41036     41037     41038     41039     41040     41041
## 0.2435524 0.2678154 0.2396864 0.2402719 0.2505403 0.2471427 0.2430437
## 41042     41043     41044     41045     41046     41047     41048
## 0.2592888 0.2565522 0.2455681 0.2442669 0.2588464 0.2470828 0.2423152
## 41049     41050     41051     41052     41053     41054     41055
## 0.2440717 0.2432128 0.2495541 0.3009814 0.2699645 0.2512157 0.2458414
## 41056     41057     41058     41059     41060     41061     41062
## 0.2666619 0.2466482 0.2416123 0.2556400 0.2420937 0.2448915 0.2446572
## 41063     41064     41065     41066     41067     41068     41069
## 0.2464413 0.2565509 0.2421588 0.2421588 0.2487302 0.2423540 0.2463359
## 41070     41071     41072     41073     41074     41075     41076
## 0.2466222 0.2463359 0.2458935 0.2474680 0.2458935 0.2750551 0.2760050
## 41077     41078     41079     41080     41081     41082     41083
## 0.2512287 0.2723884 0.2727560 0.2480796 0.2447613 0.2570194 0.2478194
## 41084     41085     41086     41087     41088     41089     41090
## 0.2473509 0.5296559 0.2540915 0.3010777 0.2465311 0.2602017 0.2504495
## 41091     41092     41093     41094     41095     41096     41097

## 0.2521453 0.2424854 0.2569045 0.2478206 0.2487693 0.2403331 0.2440587
## 41098     41099     41100     41101     41102     41103     41104
## 0.2536634 0.2533107 0.2434223 0.2462583 0.2505269 0.2538973 0.2442408
## 41105     41106     41107     41108     41109     41110     41111

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## 0.2446312 0.2467783 0.2471687 0.2509712 0.2467496 0.2873949 0.2470099
## 41112 41113 41114 41115 41116 41117 41118
## 0.2413390 0.2424451 0.2477413 0.2715417 0.2469735 0.3640037 0.2504089
## 41119 41120 41121 41122 41123 41124 41125
## 0.2575242 0.2507082 0.3007866 0.3070756 0.2531416 0.2780090 0.2562652
## 41126 41127 41128 41129 41130 41131 41132
## 0.2645302 0.2464920 0.2431608 0.2499274 0.2431608 0.2485958 0.2440469
## 41133 41134 41135 41136 41137 41138 41139
## 0.2416383 0.2456983 0.2611491 0.2473639 0.2570251 0.2506431 0.2612931
## 41140 41141 41142 41143 41144 41145 41146
## 0.2505920 0.2426793 0.2452168 0.2646045 0.2644776 0.2451257 0.2459715
## 41147 41148 41149 41150 41151 41152 41153
## 0.2508774 0.2475851 0.2490162 0.2451387 0.2474810 0.2467796 0.2468174
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## 0.2556426 0.2502527 0.2518735 0.2511460 0.2521591 0.2485611 0.2543778
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## 0.2463752 0.2934275 0.2934275 0.2934275 0.2934275 0.2430830 0.2806150
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## 0.2806150 0.2806150 0.2806150 0.2426926 0.2718365 0.2718365 0.2718365
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## 0.2718365 0.2639259 0.2678242 0.2411178 0.2469865 0.2395562 0.2429656
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## 0.2545300 0.2519717 0.2489658 0.2533038 0.2702448 0.2464530 0.2560953
## 41203 41204 41205 41206 41207 41208 41209
## 0.2478063 0.2514625 0.2539226 0.2494794 0.2761698 0.2541760 0.3205985
## 41210 41211 41212 41213 41214 41215 41216
## 0.3427176 0.2705209 0.2591047 0.2629307 0.2720772 0.2609365 0.2570367
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## 0.2671199 0.2585812 0.2633704 0.2545355 0.2545300 0.2580216 0.2511118
## 41224 41225 41226 41227 41228 41229 41230
## 0.2526471 0.2752248 0.2514951 0.2939456 0.2540225 0.2664159 0.2531191
## 41231 41232 41233 41234 41235 41236 41237
## 0.2555964 0.2486557 0.2505855 0.2459325 0.2433169 0.2804607 0.3334674
## 41238 41239 41240 41241 41242 41243 41244
## 0.3141379 0.2718850 0.2455942 0.2445271 0.2997449 0.3134417 0.2895137
## 41245 41246 41247 41248 41249 41250 41251
## 0.2491931 0.2526474 0.2529597 0.2686145 0.2495646 0.2858621 0.2622112
## 41252 41253 41254 41255 41256 41257 41258
## 0.2515482 0.2897812 0.2484310 0.2930263 0.2915816 0.2984074 0.2825651
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## 0.2770737 0.2576633 0.2514254 0.2725121 0.2526864 0.2641517 0.2552320
## 41266 41267 41268 41269 41270 41271 41272
## 0.2709899 0.2697407 0.2584976 0.2577168 0.2528370 0.2561162 0.4910530
## 41273 41274 41275 41276 41277 41278 41279
## 1.0254426 0.7776963 0.3595694 0.4829950 0.8471686 1.3911666 0.3733365
## 41280 41281 41282 41283 41284 41285 41286

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## 0.3846511 0.6465653 0.7323568 0.5007061 0.8157683 0.8486103 0.6251327
## 41287 41288 41289 41290 41291 41292 41293
## 1.4574920 0.4135741 1.3223307 0.7517917 0.7891339 0.6277925 0.6249857
## 41294 41295 41296 41297 41298 41299 41300
## 0.6212188 1.1775808 1.2316477 0.4269909 1.1632136 0.9406991 0.4567100
## 41301 41302 41303 41304 41305 41306 41307
## 1.2440634 0.4461981 0.3522046 1.0582567 0.6671471 0.8652172 0.8946690
## 41308 41309 41310 41311 41312 41313 41314
## 0.4773725 1.2708660 0.4103978 0.6366094 0.3906766 0.4088246 0.3657359
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## 0.4204619 0.7574590 0.5095455 1.5797130 0.3918570 0.3698672 0.8261505
## 41322 41323 41324 41325 41326 41327 41328
## 0.4095929 1.0176505 1.3833257 0.3969705 0.3253312 0.9008218 1.3780077
## 41329 41330 41331 41332 41333 41334 41335
## 0.4791580 0.3010790 0.9435801 0.3499945 0.8176238 1.5707606 0.6051352
## 41336 41337 41338 41339 41340 41341 41342
## 0.5392614 0.4451450 1.2409248 1.2248746 0.7450034 1.8452699 0.2988369
## 41343 41344 41345 41346 41347 41348 41349
## 0.9684122 0.5492584 0.5434574 0.5282613 0.4206937 0.7433099 0.2776423
## 41350 41351 41352 41353 41354 41355 41356
## 0.4814834 0.4584420 0.3449245 0.4993840 0.4248537 0.7145083 0.3016424
## 41357 41358 41359 41360 41361 41362 41363
## 0.4641022 0.2820705 0.4790117 0.2755303 1.2094119 0.3579915 0.3392506
## 41364 41365 41366 41367 41368 41369 41370
## 1.1505512 0.6877698 0.3376839 1.2186376 1.2566146 0.7330268 0.5720309
## 41371 41372 41373 41374 41375 41376 41377
## 0.5916687 0.5332729 1.0852941 0.6130328 0.4520380 0.7317049 0.3617002
## 41378 41379 41380 41381 41382 41383 41384
## 0.3062305 0.8044679 0.3922083 0.3246025 0.9612116 0.4936618 0.4132759
## 41385 41386 41387 41388 41389 41390 41391
## 1.3066528 0.4706481 0.4259022 1.3485631 0.4709323 0.4590549 0.3932479
## 41392 41393 41394 41395 41396 41397 41398
## 0.4403547 0.4503849 1.2617426 0.5472055 0.4684674 1.6222180 0.6417363
## 41399 41400 41401 41402 41403 41404 41405
## 0.4580697 1.1247534 0.5709219 0.4430174 1.3375285 1.5458970 0.8042640
## 41406 41407 41408 41409 41410 41411 41412
## 0.6376331 0.6694616 0.4716960 0.4771469 0.4046286 0.3382638 1.3277971
## 41413 41414 41415 41416 41417 41418 41419
## 0.5579888 0.4130786 0.6534723 0.5177467 0.9568329 0.3612470 0.4741948
## 41420 41421 41422 41423 41424 41425 41426
## 0.3090430 1.4258141 0.4551730 0.9238776 0.3424296 0.6145373 0.3847313
## 41427 41428 41429 41430 41431 41432 41433
## 1.0898319 0.4475282 0.3703680 1.3413822 0.5349807 0.3098084 1.4430043
## 41434 41435 41436 41437 41438 41439 41440
## 0.6458028 0.3990379 0.4627413 0.3213437 0.4580002 0.6067973 0.4042125
## 41441 41442 41443 41444 41445 41446 41447
## 0.3576660 0.6959133 0.4721126 0.2926387 1.2810058 0.6580436 0.5730262
## 41448 41449 41450 41451 41452 41453 41454
## 1.2239422 0.6493016 0.4233373 0.9053405 0.3584348 0.2757932 0.5661915
## 41455 41456 41457 41458 41459 41460 41461

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## 0.4736038 0.3462017 1.5145919 0.6361172 0.4480738 0.6714327 0.4068654
## 41462    41463    41464    41465    41466    41467    41468
## 0.3013375 0.9019716 0.6345336 0.4440042 0.8875518 0.4627693 0.3604577
## 41469    41470    41471    41472    41473    41474    41475
## 1.3301522 0.4085054 0.4889211 1.2931861 0.4425716 0.3456231 0.4791818
## 41476    41477    41478    41479    41480    41481    41482
## 0.6645983 0.4206349 0.3912271 0.3006992 0.2724474 0.4115944 0.3283868
## 41483    41484    41485    41486    41487    41488    41489
## 0.4451870 0.3117748 0.3673870 0.3245524 0.4065144 0.3296856 0.2909084
## 41490    41491    41492    41493    41494    41495    41496
## 0.6628024 0.3296328 0.2961383 0.3529058 0.3052875 0.2873996 0.4167584
## 41497    41498    41499    41500    41501    41502    41503
## 0.4552893 0.3127651 0.3552292 0.2839837 0.4312605 0.3237267 0.3707888
## 41504    41505    41506    41507    41508    41509    41510
## 0.3223545 0.6243732 0.4092397 0.3472384 0.4219378 0.3958391 0.4251461
## 41511    41512    41513    41514    41515    41516    41517
## 0.3980824 0.2983470 0.2797316 0.3053550 0.3020063 0.2981372 0.2441699
## 41518    41519    41520    41521    41522    41523    41524
## 0.5239791 0.2672873 0.2551544 0.3414973 0.2403630 0.2395042 0.2710715
## 41525    41526    41527    41528    41529    41530    41531
## 0.2438186 0.2433241 0.5178496 0.2910761 0.2586397 0.2744181 0.2551456
## 41532    41533    41534    41535    41536    41537    41538
## 0.2556661 0.2516357 0.2430957 0.2435642 0.2508208 0.2420807 0.2422759
## 41539    41540    41541    41542    41543    41544    41545
## 0.2420599 0.2420807 0.2422759 0.2562321 0.2436032 0.2481056 0.2594088
## 41546    41547    41548    41549    41550    41551    41552
## 0.2452554 0.2468833 1.1522241 0.6291866 0.3814207 1.4400850 0.7461003
## 41553    41554    41555    41556    41557    41558    41559
## 0.6737498 0.2569681 0.2392960 0.2400767 0.2651024 0.2390357 0.2390357
## 41560    41561    41562    41563    41564    41565    41566
## 0.2395042 0.3873599 0.2382550 0.2536837 0.2405192 0.2410397 0.2633696
## 41567    41568    41569    41570    41571    41572    41573
## 0.2384111 0.2384111 0.2455329 0.2666358 0.2771372 0.2719856 0.2382550
## 41574    41575    41576    41577    41578    41579    41580
## 0.2515607 0.2382550 0.2382550 0.2385673 0.2390357 0.2385673 0.2398165
## 41581    41582    41583    41584    41585    41586    41587
## 0.2398165 0.2382550 0.2382550 0.2779400 0.3330271 0.3087842 0.2496925
## 41588    41589    41590    41591    41592    41593    41594
## 0.2382550 0.2382550 0.2548667 0.2411828 0.3001660 0.2411828 0.2384501
## 41595    41596    41597    41598    41599    41600    41601
## 0.2384501 0.2394593 0.2390357 0.2382550 0.2382550 0.2382550 0.2382550
## 41602    41603    41604    41605    41606    41607    41608
## 0.2413780 0.2384111 0.2423930 0.2384111 0.2384501 0.2407144 0.2395823
## 41609    41610    41611    41612    41613    41614    41615
## 0.2647962 0.2388405 0.2391659 0.2387755 0.2382550 0.2386453 0.2386453
## 41616    41617    41618    41619    41620    41621    41622

## 0.2394261 0.2535335 0.2382550 0.2388405 0.3063448 0.2382550 0.2382550
## 41623    41624    41625    41626    41627    41628    41629
## 0.2483659 0.2463850 0.2416643 0.2427316 0.2382550 0.2382550 0.2550935
## 41630    41631    41632    41633    41634    41635    41636

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## 0.2405845 0.2382550 0.2382550 0.2409749 0.2382550 0.2396213 0.2405335
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## 0.2402732 0.2452269 0.2500158 0.2382550 0.2416643 0.2382550 0.2428485
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## 0.3199981 0.2800650 0.2457048 0.2473092 0.2382550 0.2385673 0.2382550
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## 0.2382550 0.2407794 0.2462201 0.2382550 0.2385673 0.2382550 0.2382550
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## 0.2427964 0.2416903 0.2382550 0.2382550 0.2616910 0.2384501 0.2408256
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## 0.2384111 0.2424190 0.2394261 0.2412882 0.2382550 0.2416383 0.2402980
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## 0.2513471 0.2386453 0.2414821 0.2500161 0.2510856 0.2675858 0.2382550
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## 0.2513991 0.2382550 0.2666358 0.2382550 0.2412882 0.2382550 0.2796226
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## 0.2606888 0.2427245 0.2382550 0.2385025 0.2382550 0.2399734 0.2385025
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## 0.2420299 0.2483919 0.2409876 0.2441867 0.2382550 0.2382550 0.2390357
## 41728 41729 41730 41731 41732 41733 41734
## 0.2434601 0.2387234 0.2382550 0.2390357 0.2382550 0.2390357 0.2426793
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## 0.2410267 0.2396213 0.2382550 0.2382550 0.2400507 0.2382550 0.2398165
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## 41770 41771 41772 41773 41774 41775 41776
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## 41805 41806 41807 41808 41809 41810 41811

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## 0.2773078 0.2382550 0.2390357 0.2382550 0.2390357 0.2382550 0.2704398
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## 41917 41918 41919 41920 41921 41922 41923
## 0.2382550 0.2440196 0.2783438 0.2675988 0.2720899 0.2572276 0.2630183
## 41924 41925 41926 41927 41928 41929 41930
## 0.2422394 0.2402850 0.2438895 0.2423695 0.2411048 0.2429786 0.2603868
## 41931 41932 41933 41934 41935 41936 41937
## 0.2477283 0.2461407 0.2445401 0.3181520 0.3211526 0.2385673 0.2637534
## 41938 41939 41940 41941 41942 41943 41944
## 0.2580406 0.2424841 0.2602306 0.2539975 0.2486912 0.2385152 0.2459325
## 41945 41946 41947 41948 41949 41950 41951
## 0.2414821 0.2425752 0.2420937 0.2442408 0.2807282 0.2411698 0.2464270
## 41952 41953 41954 41955 41956 41957 41958
## 0.2440326 0.2587158 0.2461147 0.2465701 0.2849613 0.3466044 0.2569676
## 41959 41960 41961 41962 41963 41964 41965
## 0.2570845 0.2660776 0.2570467 0.2390227 0.2538833 0.2415745 0.2387104
## 41966 41967 41968 41969 41970 41971 41972
## 0.2562386 0.2648661 0.2389056 0.2590695 0.2389056 0.2448277 0.3150304
## 41973 41974 41975 41976 41977 41978 41979
## 0.2499479 0.3161495 0.2424451 0.2426663 0.3193219 0.2665578 0.2426663
## 41980 41981 41982 41983 41984 41985 41986

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## 0.2427314 0.2802195 0.3030062 0.2556143 0.2426403 0.2426793 0.2481447
## 41987     41988     41989     41990     41991     41992     41993
## 0.2641946 0.2385025 0.2390357 0.2684436 0.2494590 0.2658472 0.3299300
## 41994     41995     41996     41997     41998     41999     42000
## 0.2386976 0.2665968 0.2382550 0.2449175 0.2385152 0.2404671 0.2382550
## 42001     42002     42003     42004     42005     42006     42007
## 0.2392309 0.2657380 0.2382550 0.2382550 0.2545209 0.2416093 0.2663886
## 42008     42009     42010     42011     42012     42013     42014
## 0.2461010 0.2459633 0.2382550 0.3078625 0.2404021 0.2523526 0.2385152
## 42015     42016     42017     42018     42019     42020     42021
## 0.2784953 0.2386453 0.2620163 0.2434991 0.2429786 0.2847887 0.2412089
## 42022     42023     42024     42025     42026     42027     42028
## 0.2404932 0.2421198 0.2382550 0.2628899 0.2395823 0.2390357 0.2399466
## 42029     42030     42031     42032     42033     42034     42035
## 0.2390357 0.2746530 0.2404541 0.2404021 0.2654257 0.2529594 0.2613504
## 42036     42037     42038     42039     42040     42041     42042
## 0.2446963 0.2404151 0.2385673 0.2415082 0.2628549 0.2382550 0.3328421
## 42043     42044     42045     42046     42047     42048     42049
## 0.2728158 0.2642611 0.2582878 0.2534947 0.2446963 0.2549995 0.2443059
## 42050     42051     42052     42053     42054     42055     42056
## 0.3393513 0.2981329 0.3495505 0.2528033 0.2818058 0.2414431 0.2656078
## 42057     42058     42059     42060     42061     42062     42063
## 0.2386714 0.2417944 0.2642024 0.2405720 0.2417944 0.2689667 0.2395823
## 42064     42065     42066     42067     42068     42069     42070
## 0.2434861 0.2908948 0.3367893 0.2534409 0.2472315 0.2596060 0.2459558
## 42071     42072     42073     42074     42075     42076     42077
## 0.2576525 0.2525690 0.2406304 0.2408575 0.2742872 0.2755525 0.2396545
## 42078     42079     42080     42081     42082     42083     42084
## 0.2404671 0.3297361 0.2860681 0.2442799 0.2589314 0.2850750 0.2625965
## 42085     42086     42087     42088     42089     42090     42091
## 0.2388015 0.2420807 0.2789329 0.2925163 0.2952119 0.2443939 0.2711483
## 42092     42093     42094     42095     42096     42097     42098
## 0.2645017 0.2429209 0.2489641 0.2500706 0.2701768 0.2406189 0.2452181
## 42099     42100     42101     42102     42103     42104     42105
## 0.2404276 0.2627060 0.2518666 0.2589586 0.2413260 0.2399466 0.2384501
## 42106     42107     42108     42109     42110     42111     42112
## 0.2633967 0.2399726 0.2437464 0.2411048 0.2545340 0.2617303 0.2402069
## 42113     42114     42115     42116     42117     42118     42119
## 0.2420677 0.2396213 0.2418074 0.2614828 0.2490295 0.2463807 0.2500706
## 42120     42121     42122     42123     42124     42125     42126
## 0.2385152 0.2398035 0.2700473 0.2507993 0.2530012 0.2419115 0.2463099
## 42127     42128     42129     42130     42131     42132     42133
## 0.2592198 0.2640228 0.2449438 0.2633633 0.2560564 0.2510826 0.2413910
## 42134     42135     42136     42137     42138     42139     42140
## 0.3521559 0.2475854 0.2586590 0.2548723 0.2392960 0.2400767 0.2529535
## 42141     42142     42143     42144     42145     42146     42147

## 0.2720260 0.2409876 0.2511506 0.2410657 0.2464660 0.2421848 0.2397775
## 42148     42149     42150     42151     42152     42153     42154
## 0.2423149 0.2386453 0.2386453 0.2386453 0.2382550 0.2382550 0.2382550
## 42155     42156     42157     42158     42159     42160     42161

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## 0.2389056 0.2431348 0.2382550 0.2408869 0.2382550 0.2385673 0.2410657
## 42162 42163 42164 42165 42166 42167 42168
## 0.2398165 0.2398165 0.2717218 0.2386453 0.2386453 0.9050064 0.4177196
## 42169 42170 42171 42172 42173 42174 42175
## 0.3073239 0.2706014 0.2772491 0.2691144 0.3020902 0.2905324 0.2715253
## 42176 42177 42178 42179 42180 42181 42182
## 0.4788739 0.2600261 0.2556817 0.3051634 0.2743820 0.2625239 0.3088679
## 42183 42184 42185 42186 42187 42188 42189
## 0.2756369 0.2722557 0.3085493 0.3051164 0.2502627 0.2857629 0.2814008
## 42190 42191 42192 42193 42194 42195 42196
## 0.2901104 0.2452688 0.2421067 0.2625628 0.2438765 0.2640602 0.2464530
## 42197 42198 42199 42200 42201 42202 42203
## 0.2417554 0.2439025 0.2427314 0.2475793 0.2405582 0.2403891 0.2448004
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## 0.2432389 0.2450086 0.2649051 0.2476242 0.2542307 0.2445544 0.2468954
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## 0.2400637 0.2549664 0.2408445 0.2532327 0.3054920 0.3246002 0.2439936
## 42218 42219 42220 42221 42222 42223 42224
## 0.2511949 0.2416903 0.2460158 0.2439676 0.2395562 0.2395562 0.2502137
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## 0.2502137 0.2403630 0.2403630 0.2448915 0.2448915 0.2382550 0.2382550
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## 0.2387234 0.2382550 0.2382550 0.2506002 0.2382550 0.3889609 0.2382550
## 42239 42240 42241 42242 42243 42244 42245
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.3485554
## 42246 42247 42248 42249 42250 42251 42252
## 0.2382550 0.2485220 0.2504098 0.2807604 0.2398685 0.2390357 0.2658811
## 42253 42254 42255 42256 42257 42258 42259
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## 0.2578410 0.2810689 0.2660906 0.2750925 0.2561056 0.2782046 0.2780871
## 42267 42268 42269 42270 42271 42272 42273
## 0.2944342 0.2496846 0.2914297 0.3195227 0.2466397 0.2759497 0.2668595
## 42274 42275 42276 42277 42278 42279 42280
## 0.2686570 0.2721493 0.2669289 0.2980801 0.2645492 0.2665838 0.2508604
## 42281 42282 42283 42284 42285 42286 42287
## 0.2600384 0.3402314 0.3119635 0.2546563 0.2483269 0.2706864 0.2476163
## 42288 42289 42290 42291 42292 42293 42294
## 0.2490426 0.2475461 0.2471013 0.2693279 0.2501109 0.2460366 0.2747255
## 42295 42296 42297 42298 42299 42300 42301
## 0.2690416 0.2770219 0.3014049 0.2568905 0.2511376 0.2760891 0.2484442
## 42302 42303 42304 42305 42306 42307 42308
## 0.2589680 0.2693311 0.2561957 0.2484270 0.3124344 0.2850619 0.2499665
## 42309 42310 42311 42312 42313 42314 42315
## 0.2441628 0.2757990 0.2451257 0.2433299 0.2524779 0.2573330 0.2763121
## 42316 42317 42318 42319 42320 42321 42322
## 0.2517883 0.2956410 0.2465181 0.2577297 0.2583661 0.2622395 0.2488474
## 42323 42324 42325 42326 42327 42328 42329
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## 42330 42331 42332 42333 42334 42335 42336

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## 0.6004650 0.6619883 0.5884086 0.5906848 0.4575302 0.4448439 0.4088148
## 42337 42338 42339 42340 42341 42342 42343
## 0.2794359 0.3346789 0.3007061 0.3311140 0.3162072 0.3238883 0.3505728
## 42344 42345 42346 42347 42348 42349 42350
## 0.2985408 0.2798206 0.3001190 0.2877556 0.2910879 0.2544658 0.2716033
## 42351 42352 42353 42354 42355 42356 42357
## 0.2519625 0.2543049 0.2681701 0.3496636 0.2770478 0.3247331 0.2809401
## 42358 42359 42360 42361 42362 42363 42364
## 0.2774165 0.3215297 0.2587907 0.2461328 0.2645260 0.2460146 0.5052418
## 42365 42366 42367 42368 42369 42370 42371
## 0.2540168 0.2761086 0.2501225 0.2568645 0.2712068 0.2586938 0.3346152
## 42372 42373 42374 42375 42376 42377 42378
## 0.2523043 0.2689920 0.2530063 0.2708738 0.2513992 0.2698163 0.2443202
## 42379 42380 42381 42382 42383 42384 42385
## 0.3129068 0.2774328 0.3104844 0.2600422 0.3163470 0.5786436 0.9490646
## 42386 42387 42388 42389 42390 42391 42392
## 0.3357427 0.6777416 0.4787235 0.2655332 0.3762545 0.2895240 0.6930846
## 42393 42394 42395 42396 42397 42398 42399
## 0.3782634 0.3108256 0.3335737 0.2807637 0.2837521 0.2662397 0.2955904
## 42400 42401 42402 42403 42404 42405 42406
## 0.2501792 0.2639554 0.6870273 1.0159015 0.4356476 0.3243208 0.3700017
## 42407 42408 42409 42410 42411 42412 42413
## 0.2543610 0.2583860 0.6288181 0.5290425 0.3369374 0.2518222 0.2870708
## 42414 42415 42416 42417 42418 42419 42420
## 0.2774659 0.2480045 0.3003821 0.2663519 0.2457763 0.2744282 0.2479218
## 42421 42422 42423 42424 42425 42426 42427
## 0.2452004 0.4855679 0.2777495 0.8787825 0.2629702 0.2818792 0.4420704
## 42428 42429 42430 42431 42432 42433 42434
## 0.2758342 0.4681565 0.2794201 0.7087097 0.8323435 0.3666369 0.2963518
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## 0.2765077 0.2814081 0.2611597 0.2475264 0.2466143 0.2744190 0.2672474
## 42442 42443 42444 42445 42446 42447 42448
## 0.2686277 0.4387286 0.3242336 0.2664964 0.2667401 0.2622120 0.2478010
## 42449 42450 42451 42452 42453 42454 42455
## 0.2727275 0.2831796 0.2545884 0.2739710 0.2751183 0.2607683 0.2839520
## 42456 42457 42458 42459 42460 42461 42462
## 0.2477803 0.6019653 0.2428094 0.2647268 0.4294837 0.2428490 0.2900201
## 42463 42464 42465 42466 42467 42468 42469
## 0.2427053 0.2959638 0.2724345 0.2669523 0.2664201 0.2773508 0.2822437
## 42470 42471 42472 42473 42474 42475 42476
## 1.4258631 0.6897452 0.9222898 0.4107669 0.3426527 0.3035371 0.6051249
## 42477 42478 42479 42480 42481 42482 42483
## 0.7356206 0.3809517 0.3617663 0.2774181 0.3017861 0.6353301 0.3543396
## 42484 42485 42486 42487 42488 42489 42490
## 0.4630056 0.8895055 0.4854085 1.1865526 0.2783882 0.7777262 0.2667388
## 42491 42492 42493 42494 42495 42496 42497
## 0.4272086 0.2635680 0.7857863 0.2864961 0.3271566 0.2924051 1.4062323
## 42498 42499 42500 42501 42502 42503 42504
## 0.4868747 0.2933918 1.1842948 0.4112371 0.3352536 1.1614936 0.9959499
## 42505 42506 42507 42508 42509 42510 42511

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## 0.2789599 1.0083267 0.2759295 0.3432133 0.2904283 0.9730238 0.8936608
## 42512     42513     42514     42515     42516     42517     42518
## 0.5392275 0.8663286 0.3580790 0.2740348 0.6523310 0.3397877 0.2955691
## 42519     42520     42521     42522     42523     42524     42525
## 0.7170825 0.4941659 0.3630974 0.9749026 0.5418682 0.3337790 0.8230022
## 42526     42527     42528     42529     42530     42531     42532
## 0.2976664 0.2980334 1.0585777 0.3366421 1.2287399 0.2767271 1.0863158
## 42533     42534     42535     42536     42537     42538     42539
## 1.1281400 0.7999514 0.3995071 0.7744225 0.6823689 0.3655839 0.3158887
## 42540     42541     42542     42543     42544     42545     42546
## 0.6609274 0.3419418 0.2904445 1.8148086 1.1792547 0.3999095 0.3016498
## 42547     42548     42549     42550     42551     42552     42553
## 0.6320822 0.3279360 0.2882388 0.8867583 1.2439815 0.7268468 0.5507987
## 42554     42555     42556     42557     42558     42559     42560
## 0.3645424 0.4929454 0.3664361 1.6756124 0.9958226 1.2762993 0.6984346
## 42561     42562     42563     42564     42565     42566     42567
## 1.0033007 0.7871173 0.5326856 0.8178280 0.5244194 0.3488054 1.5500622
## 42568     42569     42570     42571     42572     42573     42574
## 0.6675789 0.4903587 0.5166663 0.2635911 0.2995352 0.8909220 0.4343100
## 42575     42576     42577     42578     42579     42580     42581
## 0.2733737 0.8866928 0.3574340 0.3956395 0.8514624 0.3010808 0.2770407
## 42582     42583     42584     42585     42586     42587     42588
## 0.7519534 0.2753109 0.2666218 0.8849067 0.4231322 0.7907436 0.4394599
## 42589     42590     42591     42592     42593     42594     42595
## 1.1695618 1.8320160 0.5277213 1.4322964 0.3438305 0.7295601 1.7723592
## 42596     42597     42598     42599     42600     42601     42602
## 0.3864891 1.0962316 1.4586394 1.4005210 0.2896145 0.6101011 0.4116536
## 42603     42604     42605     42606     42607     42608     42609
## 1.0903118 1.5183437 0.4132711 0.2762755 1.2991093 0.7388957 0.8561253
## 42610     42611     42612     42613     42614     42615     42616
## 0.3041718 0.6940501 0.2846046 0.3219027 0.4197766 0.6796003 0.5171630
## 42617     42618     42619     42620     42621     42622     42623
## 0.3315210 1.1110844 0.8973008 0.6599711 1.1076668 0.4949287 0.5920878
## 42624     42625     42626     42627     42628     42629     42630
## 0.3473772 0.5613409 0.5663955 1.6053342 0.8877170 0.6424944 0.4279296
## 42631     42632     42633     42634     42635     42636     42637
## 0.2655269 0.2994133 0.5625875 0.2808074 0.2998509 0.5150464 0.3565094
## 42638     42639     42640     42641     42642     42643     42644
## 0.3001404 1.2057197 0.7400105 0.4375045 0.4885648 0.6668135 0.6471162
## 42645     42646     42647     42648     42649     42650     42651
## 0.2837775 0.7519534 0.3136751 1.0913897 0.2676231 1.3448896 0.5419756
## 42652     42653     42654     42655     42656     42657     42658
## 1.1176779 0.2856767 0.2971938 1.1512077 0.4116469 0.3318521 1.2309329
## 42659     42660     42661     42662     42663     42664     42665
## 0.5060838 0.2926130 0.6945861 0.4626285 0.2923900 0.7765445 0.2821993
## 42666     42667     42668     42669     42670     42671     42672

## 0.3694779 0.9262467 0.3650409 0.3891605 1.0476482 0.7997346 0.7540363
## 42673     42674     42675     42676     42677     42678     42679
## 0.7491518 0.3017682 0.4938350 0.3369085 0.6354149 0.2840833 0.2877706
## 42680     42681     42682     42683     42684     42685     42686

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## 0.4324940 0.2953889 0.9217532 0.5242914 0.4047173 0.7365825 0.3069470
## 42687 42688 42689 42690 42691 42692 42693
## 0.2851002 0.6720477 0.3305510 0.7984895 0.2849619 0.4237755 0.3233203
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## 1.1418263 0.5671534 0.3227032 0.6613341 0.5163574 0.5613956 1.0621408
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## 1.1113827 0.4646118 0.5192254 0.2946933 0.3535692 0.9519642 1.1485825
## 42708 42709 42710 42711 42712 42713 42714
## 0.6665648 1.8017685 0.6489458 0.6548670 1.2905207 0.4055540 0.2895924
## 42715 42716 42717 42718 42719 42720 42721
## 0.7644275 0.6950266 1.4189755 0.6754806 0.5581458 0.8852871 0.4854740
## 42722 42723 42724 42725 42726 42727 42728
## 0.3927016 0.3738311 0.9557022 1.3635308 1.1747688 0.3856895 1.9023820
## 42729 42730 42731 42732 42733 42734 42735
## 0.5047020 1.3644370 2.2615097 0.3362213 2.2615097 1.0922920 1.4430894
## 42736 42737 42738 42739 42740 42741 42742
## 1.4430894 1.3272065 0.7734633 0.7734633 1.2816847 0.8589738 0.8383150
## 42743 42744 42745 42746 42747 42748 42749
## 0.7871471 0.3549007 0.5811773 1.0092131 0.4655993 0.7293162 0.3870022
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## 0.3266627 0.6317815 0.7789717 0.5733246 1.3231963 1.0582034 0.6282237
## 42757 42758 42759 42760 42761 42762 42763
## 0.3056740 0.3242773 0.6043698 1.1774146 0.9077930 0.3360146 0.5887369
## 42764 42765 42766 42767 42768 42769 42770
## 0.4385942 0.3038056 1.6001452 0.7134502 0.6167937 0.3710092 0.7182923
## 42771 42772 42773 42774 42775 42776 42777
## 0.2820048 1.9661400 0.9614923 0.5601187 1.4082677 0.3713761 1.0720046
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## 0.5348730 1.6744098 1.2612381 1.7320854 0.9347757 0.8087354 0.6970632
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## 0.2754077 0.3600572 0.2912938 0.2570686 0.3958357 0.2421198 0.2429005
## 42820 42821 42822 42823 42824 42825 42826
## 0.2457113 0.2683328 0.2689862 0.2434275 0.2442883 0.2459636 0.2445690
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## 0.2580902 0.2449377 0.2467602 0.2776169 0.2494709 0.2491996 0.3740052
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## 42841 42842 42843 42844 42845 42846 42847
## 0.2382550 0.2394261 0.2382550 0.2405973 1.4218642 0.6516918 0.4371622
## 42848 42849 42850 42851 42852 42853 42854
## 1.8680725 1.1290450 0.4511864 1.9137312 1.4868490 0.8457768 1.7709644
## 42855 42856 42857 42858 42859 42860 42861

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## 0.6607071 0.5416076 1.0088078 0.6659959 0.4324052 1.1078207 0.6993774
## 42862 42863 42864 42865 42866 42867 42868
## 0.6039190 1.0011780 0.4900496 0.4073305 0.5151744 0.3228491 0.2735019
## 42869 42870 42871 42872 42873 42874 42875
## 0.4766375 0.2981755 0.2610009 0.3329351 0.3104618 0.3428406 0.6030371
## 42876 42877 42878 42879 42880 42881 42882
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## 42883 42884 42885 42886 42887 42888 42889
## 0.2924387 0.4963924 0.2699860 0.2615301 0.4117767 0.2803573 0.2590921
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## 0.9568590 0.3604560 0.2844575 0.5103389 0.3373279 0.2933032 1.2082277
## 42897 42898 42899 42900 42901 42902 42903
## 1.1877283 0.4820126 0.4798089 0.5159437 0.5159437 0.5226645 0.4951266
## 42904 42905 42906 42907 42908 42909 42910
## 0.3770308 0.3112019 0.4016818 0.2866738 0.6017379 0.4328769 0.5046517
## 42911 42912 42913 42914 42915 42916 42917
## 0.4368478 0.3528717 0.2936945 0.5399276 0.3942161 0.4903264 0.3653209
## 42918 42919 42920 42921 42922 42923 42924
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## 42939 42940 42941 42942 42943 42944 42945
## 0.4385165 0.3044053 0.5922602 0.3856649 0.3850604 0.5151995 0.3856163
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## 0.4897874 0.3439335 0.5772362 0.4761572 0.3389268 0.8568349 0.4834698
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## 42981 42982 42983 42984 42985 42986 42987
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## 1.7579659 1.0329800 0.4685849 0.2999906 0.6457409 0.3864622 0.3493010
## 42995 42996 42997 42998 42999 43000 43001
## 0.3842338 0.2888614 0.4106693 0.2784062 0.2585332 0.3517327 0.2862148
## 43002 43003 43004 43005 43006 43007 43008
## 0.2706396 0.2934294 0.2881100 0.2823679 0.6518832 0.4689326 0.5537452
## 43009 43010 43011 43012 43013 43014 43015
## 0.3156790 0.2721795 0.2542009 1.5529181 0.4705751 0.3699867 0.3979234
## 43016 43017 43018 43019 43020 43021 43022
## 0.3303604 0.3134032 0.3323236 0.2861049 0.2967990 0.2790231 0.3665517
## 43023 43024 43025 43026 43027 43028 43029
## 0.2651373 0.3389268 0.2537455 0.2930199 0.3524800 0.2907274 0.2820222
## 43030 43031 43032 43033 43034 43035 43036

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## 0.3134706 0.2669810 0.2565784 0.4304996 0.4293060 0.4196497 0.3598404
## 43037     43038     43039     43040     43041     43042     43043
## 0.2692548 0.7736660 0.6039600 0.3766800 1.3593122 0.7445061 0.4103626
## 43044     43045     43046     43047     43048     43049     43050
## 0.7932884 0.9754469 0.7077086 0.8419342 0.3448737 0.3646312 0.8614195
## 43051     43052     43053     43054     43055     43056     43057
## 0.5474898 0.3929971 0.8975779 0.3984051 0.3487102 1.9586656 0.8610819
## 43058     43059     43060     43061     43062     43063     43064
## 0.4583509 0.5016696 1.2047512 0.4831859 1.1710698 1.0237017 0.3494472
## 43065     43066     43067     43068     43069     43070     43071
## 1.0237017 0.7593276 0.3604194 0.7593276 0.6100354 0.6100354 1.0503855
## 43072     43073     43074     43075     43076     43077     43078
## 0.9307720 0.5870128 1.1338835 0.5760450 0.4462262 0.9063266 0.4543664
## 43079     43080     43081     43082     43083     43084     43085
## 0.3449426 0.6281136 0.7342348 0.5357409 1.2076173 0.8880124 0.4922048
## 43086     43087     43088     43089     43090     43091     43092
## 0.5034566 0.4012748 0.3600404 1.0210366 0.5319623 0.6085588 1.7426471
## 43093     43094     43095     43096     43097     43098     43099
## 0.5883302 0.3877548 1.0430996 0.6474592 0.3946759 0.9267477 0.6697518
## 43100     43101     43102     43103     43104     43105     43106
## 0.4055772 0.2967139 0.3368136 0.2847719 0.8278060 0.4287888 0.3414495
## 43107     43108     43109     43110     43111     43112     43113
## 0.3099012 0.6125546 0.3211261 0.2702031 0.7801148 0.4653220 0.4762707
## 43114     43115     43116     43117     43118     43119     43120
## 2.3724272 0.7515685 0.4329782 0.7914716 1.2754287 0.4114015 0.5135176
## 43121     43122     43123     43124     43125     43126     43127
## 0.3244285 0.3223944 0.4696412 0.2821941 0.2853922 0.8938160 0.4494177
## 43128     43129     43130     43131     43132     43133     43134
## 0.3539486 0.7243982 0.3573244 0.3360239 0.8746967 0.4946576 0.3396876
## 43135     43136     43137     43138     43139     43140     43141
## 0.9508043 0.6553773 0.3505790 0.6165486 0.3792221 0.3286577 0.8544225
## 43142     43143     43144     43145     43146     43147     43148
## 0.3454990 0.4968303 0.5964793 0.3322674 0.2651450 0.8490733 0.9983720
## 43149     43150     43151     43152     43153     43154     43155
## 0.4296449 0.6765846 1.2269206 0.3692375 1.4596492 0.2721577 0.5805771
## 43156     43157     43158     43159     43160     43161     43162
## 1.0176553 0.6618639 0.4089891 0.8333087 0.4190615 0.3022447 0.6058143
## 43163     43164     43165     43166     43167     43168     43169
## 0.3694091 0.2911917 0.7691870 0.4299324 0.3632309 0.4536254 0.4523811
## 43170     43171     43172     43173     43174     43175     43176
## 0.3292202 0.3292202 0.3465156 0.3465156 0.7948281 0.3073659 0.3933970
## 43177     43178     43179     43180     43181     43182     43183
## 0.5626199 0.6831437 0.4649082 0.3923044 0.5276748 0.3042394 0.6335857
## 43184     43185     43186     43187     43188     43189     43190
## 0.3333459 0.2693076 0.8570550 0.6354000 0.4080913 0.9778798 0.4213150
## 43191     43192     43193     43194     43195     43196     43197

## 0.3820147 2.2761376 1.2133163 0.4680254 0.6989858 0.3198146 0.2860654
## 43198     43199     43200     43201     43202     43203     43204
## 0.9369555 0.8650391 0.3532293 0.3876067 0.3047898 0.2825508 0.3464827
## 43205     43206     43207     43208     43209     43210     43211

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## 0.2974537 0.2875509 1.4004039 0.5776600 0.4951787 1.3932769 0.7006228
## 43212 43213 43214 43215 43216 43217 43218
## 0.5454225 0.5865453 1.0336336 1.1241974 1.0250485 0.5673266 0.4999487
## 43219 43220 43221 43222 43223 43224 43225
## 1.3949911 1.1664627 0.5864930 0.5610412 0.4687182 0.4638832 1.1967496
## 43226 43227 43228 43229 43230 43231 43232
## 0.8130385 0.4920886 1.2973229 1.1732055 0.6386643 1.5297744 0.9538287
## 43233 43234 43235 43236 43237 43238 43239
## 0.6159084 0.7068432 0.9811919 0.5953908 0.6651202 1.3064151 0.7360308
## 43240 43241 43242 43243 43244 43245 43246
## 1.2679872 0.8556129 0.4873005 1.3505699 0.7132808 0.5284053 1.2691428
## 43247 43248 43249 43250 43251 43252 43253
## 0.6950198 0.5359722 1.2116703 0.7976858 0.5700030 1.2241528 0.6886616
## 43254 43255 43256 43257 43258 43259 43260
## 0.5027967 1.9245556 1.0251092 0.5499639 0.9888077 0.5505823 0.4496240
## 43261 43262 43263 43264 43265 43266 43267
## 1.4403303 0.8769547 0.5888886 1.3230123 0.8351658 0.5564395 2.1597768
## 43268 43269 43270 43271 43272 43273 43274
## 1.1441500 0.9580826 1.3334592 1.4207407 0.8496126 1.3194027 1.5259898
## 43275 43276 43277 43278 43279 43280 43281
## 0.7896172 1.4740451 0.8086965 0.5752486 1.1225963 1.2497043 0.5362257
## 43282 43283 43284 43285 43286 43287 43288
## 1.5534177 1.0118716 0.7830203 1.4309960 0.7424289 0.5852544 1.2233073
## 43289 43290 43291 43292 43293 43294 43295
## 0.6716588 0.8648892 1.2986583 0.9863529 0.8081952 0.6293143 1.1315053
## 43296 43297 43298 43299 43300 43301 43302
## 0.6135644 0.9515530 0.5835616 0.5969546 0.9873331 0.5089309 0.4870212
## 43303 43304 43305 43306 43307 43308 43309
## 0.7199248 0.4416221 0.4319431 1.2906947 0.5984038 0.4700065 1.1084952
## 43310 43311 43312 43313 43314 43315 43316
## 0.9254915 0.5126103 0.5855009 0.5241179 0.4258905 1.2538585 0.6133767
## 43317 43318 43319 43320 43321 43322 43323
## 0.5447572 1.4462820 1.0464523 0.6159251 1.0425224 0.7106125 0.6131839
## 43324 43325 43326 43327 43328 43329 43330
## 1.3490795 0.8572276 0.7374738 1.9350117 1.4183101 0.9954600 1.0124888
## 43331 43332 43333 43334 43335 43336 43337
## 0.7721091 0.5326361 0.5314734 0.3849956 0.3857755 0.7184639 0.4259671
## 43338 43339 43340 43341 43342 43343 43344
## 0.3419497 0.3491231 0.2438260 0.2413403 0.3274182 0.2641894 0.2650756
## 43345 43346 43347 43348 43349 43350 43351
## 0.3102855 0.2635392 0.2699556 0.3196235 0.2607150 0.2605152 0.3319046
## 43352 43353 43354 43355 43356 43357 43358
## 0.2545631 0.2616417 0.2874276 0.2721011 0.2669416 0.3281930 0.3451693
## 43359 43360 43361 43362 43363 43364 43365
## 0.3289239 0.2939698 0.2612221 0.2558554 0.2938752 0.2613538 0.2617845
## 43366 43367 43368 43369 43370 43371 43372
## 0.2790516 0.2790516 0.2532327 0.2532327 0.2503568 0.2503568 0.6101060
## 43373 43374 43375 43376 43377 43378 43379
## 0.5132207 0.6561871 0.3634835 0.3638483 0.3103961 0.3188893 0.4437290
## 43380 43381 43382 43383 43384 43385 43386

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## 0.3730923 0.3821007 0.4225358 0.3304676 0.3109563 0.6856184 0.5116095
## 43387 43388 43389 43390 43391 43392 43393
## 0.4540760 0.6786846 0.5338497 0.4100746 0.7333443 0.5456040 0.5761880
## 43394 43395 43396 43397 43398 43399 43400
## 0.3911189 0.4354974 0.3855886 0.3644512 0.6971557 0.6227463 0.4184679
## 43401 43402 43403 43404 43405 43406 43407
## 0.5769313 0.5904432 0.5233900 0.5013892 0.4894219 0.4867309 0.4900195
## 43408 43409 43410 43411 43412 43413 43414
## 0.4374192 0.3671852 0.6641154 0.7439812 0.6199232 0.6052734 0.4722844
## 43415 43416 43417 43418 43419 43420 43421
## 0.4291705 0.5822899 0.5882405 0.3897050 0.3438100 0.3103816 0.3092331
## 43422 43423 43424 43425 43426 43427 43428
## 0.6700149 0.6635451 0.4353432 0.7460343 0.6044669 0.5784328 0.6404976
## 43429 43430 43431 43432 43433 43434 43435
## 0.5061490 0.4502804 0.6621596 0.5979783 0.4260168 0.6370473 0.4915500
## 43436 43437 43438 43439 43440 43441 43442
## 0.4522295 0.7793677 0.6387110 0.6337459 0.3117076 0.3028945 0.2732829
## 43443 43444 43445 43446 43447 43448 43449
## 0.7900885 0.5397671 0.4816353 0.3437809 0.4934887 0.4940442 0.3174198
## 43450 43451 43452 43453 43454 43455 43456
## 0.2930745 0.4205168 0.7144972 0.6611257 0.6591240 0.3384119 0.3134868
## 43457 43458 43459 43460 43461 43462 43463
## 0.2929023 0.4920197 0.4312184 0.4099700 0.3214529 0.3677294 0.3305404
## 43464 43465 43466 43467 43468 43469 43470
## 0.4193631 0.4333286 0.4102396 0.3140787 0.3951372 0.3756272 0.4975438
## 43471 43472 43473 43474 43475 43476 43477
## 0.4030741 0.4154416 0.5293545 0.3228934 0.2884635 0.2604974 0.2382550
## 43478 43479 43480 43481 43482 43483 43484
## 0.2382550 0.2390357 0.7152537 0.5104429 0.4418496 0.5898126 0.4107476
## 43485 43486 43487 43488 43489 43490 43491
## 0.4097964 0.5025527 0.3863589 0.3658225 0.3911703 0.4988995 0.3997897
## 43492 43493 43494 43495 43496 43497 43498
## 0.4584627 0.4093783 0.4319704 0.6289255 0.3523431 0.4901858 0.3370995
## 43499 43500 43501 43502 43503 43504 43505
## 0.4224786 0.3280417 0.6239037 0.7037142 0.7000208 0.6199717 0.7648700
## 43506 43507 43508 43509 43510 43511 43512
## 0.4666420 0.5408076 0.4683524 0.4531936 0.6136879 0.4980269 0.5327275
## 43513 43514 43515 43516 43517 43518 43519
## 0.4104849 0.5210918 0.3883646 0.4521361 0.4042635 0.4040318 0.4324604
## 43520 43521 43522 43523 43524 43525 43526
## 0.3711789 0.3470413 0.5002412 0.3963607 0.4194967 0.3936224 0.4062201
## 43527 43528 43529 43530 43531 43532 43533
## 0.3902751 0.4221226 0.3848689 0.3605155 0.6719257 0.5189825 0.4631005
## 43534 43535 43536 43537 43538 43539 43540
## 0.3217172 0.2787776 0.2809097 0.2386453 0.2382550 0.2382550 0.2390617
## 43541 43542 43543 43544 43545 43546 43547
## 0.2382550 0.2382550 0.2828645 0.2390357 0.2681678 0.2609463 0.2403500
## 43548 43549 43550 43551 43552 43553 43554
## 0.2416123 0.2732073 0.2405062 0.2422629 0.2641114 0.2477673 0.2486782
## 43555 43556 43557 43558 43559 43560 43561

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## 0.2622115 0.2733285 0.2446312 0.2423540 0.3181636 0.2460501 0.2518793
## 43562    43563    43564    43565    43566    43567    43568
## 0.2744840 0.2519983 0.2515819 0.2463541 0.2464920 0.2449696 0.2968457
## 43569    43570    43571    43572    43573    43574    43575
## 0.2460626 0.2467783 0.2434489 0.2471427 0.2712944 0.2601294 0.2722611
## 43576    43577    43578    43579    43580    43581    43582
## 0.2430195 0.2599921 0.2434601 0.2430046 0.2437255 0.2403500 0.2442929
## 43583    43584    43585    43586    43587    43588    43589
## 0.2757802 0.2499925 0.2480666 0.9616559 0.6655307 0.4942431 0.3797122
## 43590    43591    43592    43593    43594    43595    43596
## 0.2619541 0.2638542 0.3231479 0.2595446 0.2522835 0.2573325 0.3344252
## 43597    43598    43599    43600    43601    43602    43603
## 0.2933005 0.2890468 0.4222487 0.3218212 0.2966621 0.4842038 0.4737688
## 43604    43605    43606    43607    43608    43609    43610
## 0.4041897 0.3754831 0.3788916 0.2947013 1.3384206 0.7121108 0.4655831
## 43611    43612    43613    43614    43615    43616    43617
## 0.8522691 0.5404174 0.4655262 1.0324648 0.5104491 0.3661142 0.3745095
## 43618    43619    43620    43621    43622    43623    43624
## 0.3028812 0.2627093 0.5151048 0.3275417 1.2657835 0.3295574 0.5963188
## 43625    43626    43627    43628    43629    43630    43631
## 0.7640752 0.3899666 0.4144144 0.3428744 0.5444031 0.3775725 0.2854638
## 43632    43633    43634    43635    43636    43637    43638
## 0.5000065 0.3465866 0.3430357 0.5491712 0.3526272 0.2907338 0.5187130
## 43639    43640    43641    43642    43643    43644    43645
## 0.8788703 0.3943372 0.4196336 0.3085820 0.3728685 0.7619661 0.4939932
## 43646    43647    43648    43649    43650    43651    43652
## 0.3610319 0.6634056 0.3874982 0.3231599 0.5906397 0.3806256 0.4509098
## 43653    43654    43655    43656    43657    43658    43659
## 0.3145299 0.2953943 0.5388803 0.2593427 0.3043165 0.2787663 0.8449483
## 43660    43661    43662    43663    43664    43665    43666
## 0.4047687 0.3161525 0.9392840 0.4555476 0.3183585 0.4688724 0.3729711
## 43667    43668    43669    43670    43671    43672    43673
## 0.3433316 0.6533545 0.4223746 0.3273391 0.4886969 0.3717571 0.2990770
## 43674    43675    43676    43677    43678    43679    43680
## 1.6501112 0.8434142 0.6239955 0.8131080 0.5698745 0.4011151 1.1240190
## 43681    43682    43683    43684    43685    43686    43687
## 0.3936280 0.4674971 0.9145554 0.5949904 0.4604617 0.5010121 0.4317425
## 43688    43689    43690    43691    43692    43693    43694
## 0.3965664 0.5209929 0.3079142 0.2668405 0.2899840 0.2618556 0.4522550
## 43695    43696    43697    43698    43699    43700    43701
## 0.2564529 0.2742338 0.2676121 0.3231415 0.3300850 0.2813315 0.5668931
## 43702    43703    43704    43705    43706    43707    43708
## 0.3046651 0.3017690 0.3080906 0.3801464 0.2972660 0.2797178 0.4272635
## 43709    43710    43711    43712    43713    43714    43715
## 0.2900947 0.2808209 0.3161381 0.2648221 0.2501772 0.3854383 0.2579918
## 43716    43717    43718    43719    43720    43721    43722

## 0.2711352 0.2844884 0.3724100 0.2508103 0.2491870 0.3405924 0.2891750
## 43723    43724    43725    43726    43727    43728    43729
## 0.2802815 0.2792546 0.2472464 0.2465655 0.2830148 0.2764532 0.2809926
## 43730    43731    43732    43733    43734    43735    43736

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## 0.2973763 0.2664077 0.2583848 0.2908369 0.3035307 0.2914093 0.8417372
## 43737 43738 43739 43740 43741 43742 43743
## 0.4411124 0.4472922 0.3007871 0.2729498 0.3236020 0.3102147 0.3908599
## 43744 43745 43746 43747 43748 43749 43750
## 0.3409883 0.5582218 0.5258761 0.3981860 0.2855105 0.4797804 0.4211482
## 43751 43752 43753 43754 43755 43756 43757
## 0.3038267 0.2647663 0.3673615 0.3249008 0.2846711 0.2795123 0.3065896
## 43758 43759 43760 43761 43762 43763 43764
## 0.2773586 0.2761635 0.6592374 0.8416774 0.8439386 0.7070616 0.6851821
## 43765 43766 43767 43768 43769 43770 43771
## 0.6028895 1.9862939 1.4006974 0.5866957 1.3257844 1.1913897 0.5914312
## 43772 43773 43774 43775 43776 43777 43778
## 1.3703351 0.6105975 0.4442062 2.2786040 0.9755054 0.5652968 1.7273086
## 43779 43780 43781 43782 43783 43784 43785
## 1.5653216 0.5204626 1.9364339 0.8637542 0.4177058 1.9686309 0.7039362
## 43786 43787 43788 43789 43790 43791 43792
## 0.4705685 1.7782816 0.7454051 0.4016927 0.6225139 0.3993661 0.4028571
## 43793 43794 43795 43796 43797 43798 43799
## 0.2689752 0.2405293 0.2409616 0.2382550 0.2382550 0.2382550 0.3646646
## 43800 43801 43802 43803 43804 43805 43806
## 0.2670756 0.2788881 0.2733767 0.2440326 0.2433299 0.2451517 0.2407925
## 43807 43808 43809 43810 43811 43812 43813
## 0.2419636 0.2510598 0.2482097 0.2466482 0.3553150 0.3481683 0.3553150
## 43814 43815 43816 43817 43818 43819 43820
## 0.3553150 0.2525300 0.2488864 0.2525300 0.2924194 0.2525300 0.2546120
## 43821 43822 43823 43824 43825 43826 43827
## 0.2509554 0.2473119 0.2509554 0.2515832 0.2509554 0.2481967 0.2501096
## 43828 43829 43830 43831 43832 43833 43834
## 0.2472598 0.3267873 0.3306000 0.3281016 0.2879176 0.3207736 0.2922288
## 43835 43836 43837 43838 43839 43840 43841
## 0.2707739 0.2858687 0.3326860 0.2513718 0.2511116 0.2503571 0.2627231
## 43842 43843 43844 43845 43846 43847 43848
## 0.2479755 0.2488604 0.2477803 0.2477803 0.2475272 0.2481447 0.2505260
## 43849 43850 43851 43852 43853 43854 43855
## 0.2527512 0.2707872 0.2705945 0.2534409 0.2526211 0.2459065 0.2454250
## 43856 43857 43858 43859 43860 43861 43862
## 0.2562256 0.2517362 0.2499547 0.2912821 0.2415732 0.2410007 0.2443580
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## 0.2583833 0.2502788 0.2422369 0.2463749 0.2516451 0.2533107 0.2699671
## 43870 43871 43872 43873 43874 43875 43876
## 0.2486261 0.3185530 0.2512436 0.2558485 0.2504089 0.2563557 0.2516581
## 43877 43878 43879 43880 43881 43882 43883
## 0.2524215 0.2451127 0.2500055 0.2569028 0.2496151 0.2476242 0.2628364
## 43884 43885 43886 43887 43888 43889 43890
## 0.2459325 0.2539106 0.2923838 0.2436683 0.2428615 0.2418074 0.2520296
## 43891 43892 43893 43894 43895 43896 43897
## 0.3063429 0.2457503 0.2420417 0.2420417 0.2669872 0.2482227 0.2453599
## 43898 43899 43900 43901 43902 43903 43904
## 0.2585942 0.2507212 0.2507342 0.2537404 0.2508904 0.2485481 0.2745996
## 43905 43906 43907 43908 43909 43910 43911

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## 0.2669612 0.2488864 0.2542260 0.2502397 0.2595178 0.2607541 0.2421328
## 43912 43913 43914 43915 43916 43917 43918
## 0.2741442 0.2444100 0.2594137 0.2415212 0.2500706 0.2479885 0.2491467
## 43919 43920 43921 43922 43923 43924 43925
## 0.2462838 0.2474290 0.2445662 0.2647808 0.2544949 0.2581645 0.2468434
## 43926 43927 43928 43929 43930 43931 43932
## 0.2505013 0.3019442 0.3023257 0.2529727 0.2897051 0.2645521 0.2526601
## 43933 43934 43935 43936 43937 43938 43939
## 0.2557962 0.2626544 0.2555229 0.2537922 0.2581978 0.2600852 0.2573780
## 43940 43941 43942 43943 43944 43945 43946
## 0.2706961 0.2685878 0.2543388 0.2445271 0.2516451 0.2513588 0.2475981
## 43947 43948 43949 43950 43951 43952 43953
## 0.2577741 0.2486782 0.2542997 0.2488734 0.2442799 0.2699296 0.2494199
## 43954 43955 43956 43957 43958 43959 43960
## 0.2452688 0.2482618 0.2497062 0.2473509 0.2675070 0.2490426 0.2459195
## 43961 43962 43963 43964 43965 43966 43967
## 0.2671696 0.2477543 0.2452168 0.2594195 0.2651031 0.2475721 0.3139952
## 43968 43969 43970 43971 43972 43973 43974
## 0.2530635 0.2518663 0.2499665 0.2481317 0.2473509 0.2492120 0.2429526
## 43975 43976 43977 43978 43979 43980 43981
## 0.2505651 0.2558112 0.2476892 0.2453469 0.2838921 0.2662194 0.2782302
## 43982 43983 43984 43985 43986 43987 43988
## 0.2700077 0.2505000 0.2463489 0.2390799 0.2413780 0.2418807 0.2425101
## 43989 43990 43991 43992 43993 43994 43995
## 0.2390799 0.2411438 1.6282809 1.7531060 0.6313362 0.4786987 0.3593722
## 43996 43997 43998 43999 44000 44001 44002
## 0.3200164 0.3017037 1.3640438 0.6892278 0.3900695 0.2649877 0.2387234
## 44003 44004 44005 44006 44007 44008 44009
## 0.2393480 0.2583168 0.2382550 0.2382550 0.2392700 0.2394261 0.2424190
## 44010 44011 44012 44013 44014 44015 44016
## 0.2592277 0.2389056 0.2386453 0.2507934 0.2405452 0.2405452 0.2680050
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## 0.2382550 0.2388796 0.2390357 0.2382550 0.2382550 0.2406925 0.2382550
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## 0.2401939 0.2382550 0.2393480 0.2401288 0.2404411 0.2416903 0.2410657
## 44031 44032 44033 44034 44035 44036 44037
## 1.9921800 0.9712061 0.6847299 1.3492932 0.6319649 0.3993266 1.5131191
## 44038 44039 44040 44041 44042 44043 44044
## 1.0904612 0.6017434 0.2390357 0.2382550 0.2382550 0.2386453 0.2382550
## 44045 44046 44047 44048 44049 44050 44051
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 44052 44053 44054 44055 44056 44057 44058
## 0.2387755 0.2398165 0.2443452 0.2405973 0.2407016 0.2429359 0.2382550
## 44059 44060 44061 44062 44063 44064 44065
## 0.2385152 0.2385152 0.2521236 0.2511984 0.2530202 0.2428237 0.2385152
## 44066 44067 44068 44069 44070 44071 44072
## 0.2392960 0.2390357 0.2385152 0.2392960 0.2410657 0.2625153 0.2392960
## 44073 44074 44075 44076 44077 44078 44079
## 0.2395823 0.2382550 0.2382550 0.2395432 0.2398035 0.2398035 0.2391919
## 44080 44081 44082 44083 44084 44085 44086

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## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.4806174 0.2732051
## 44087     44088     44089     44090     44091     44092     44093
## 0.2533004 0.3439752 0.2679638 0.2733910 0.6677001 0.2765010 0.2616533
## 44094     44095     44096     44097     44098     44099     44100
## 0.2560086 0.2736973 0.2503975 0.3382198 0.2827628 0.2599100 0.3376711
## 44101     44102     44103     44104     44105     44106     44107
## 0.2598146 0.2525443 0.2931798 0.2744334 0.2542758 0.4443184 0.2846436
## 44108     44109     44110     44111     44112     44113     44114
## 0.2940313 0.2632775 0.2634177 0.2516725 0.3302912 0.2645034 0.2486353
## 44115     44116     44117     44118     44119     44120     44121
## 0.3601303 0.2602583 0.2533772 0.2580399 0.3640822 0.2813990 0.2596028
## 44122     44123     44124     44125     44126     44127     44128
## 0.2635488 0.2848759 0.2812144 0.2623238 0.2669808 0.2542581 0.3502033
## 44129     44130     44131     44132     44133     44134     44135
## 0.2707615 0.2733910 0.3673415 0.2622596 0.2532991 0.4406895 0.2537816
## 44136     44137     44138     44139     44140     44141     44142
## 0.2530076 0.5495086 0.3157212 0.2750011 0.4271330 0.2818658 0.2566619
## 44143     44144     44145     44146     44147     44148     44149
## 0.2849245 0.2733794 0.2874458 0.2601340 0.2493503 0.2537168 0.3470637
## 44150     44151     44152     44153     44154     44155     44156
## 0.2730060 0.2611721 0.3864062 0.2749066 0.2591046 0.2730617 0.2749434
## 44157     44158     44159     44160     44161     44162     44163
## 0.2500071 0.2853485 0.2615800 0.2508917 0.2588942 0.2563452 0.2592361
## 44164     44165     44166     44167     44168     44169     44170
## 0.2449826 0.2390357 0.2382550 0.2421588 0.2382550 0.2382550 0.2426793
## 44171     44172     44173     44174     44175     44176     44177
## 0.2402069 0.2389056 0.2386453 0.2384111 0.2382550 0.2382550 0.2407172
## 44178     44179     44180     44181     44182     44183     44184
## 0.2580917 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 44185     44186     44187     44188     44189     44190     44191
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2421588
## 44192     44193     44194     44195     44196     44197     44198
## 0.2703965 0.2386453 0.2382550 0.2868992 0.3305322 0.2542114 0.2451738
## 44199     44200     44201     44202     44203     44204     44205
## 0.2759405 0.2513440 0.2533721 0.3002088 0.2598556 0.2481967 0.2541566
## 44206     44207     44208     44209     44210     44211     44212
## 0.2506692 0.2637437 0.2768118 0.2528913 0.2949386 0.2903356 0.2773323
## 44213     44214     44215     44216     44217     44218     44219
## 0.2588252 0.2429916 0.2483659 0.2614742 0.2835207 0.2776462 0.2471297
## 44220     44221     44222     44223     44224     44225     44226
## 0.2471297 0.2443189 0.2443189 0.2454640 0.2454640 0.3381006 0.2507746
## 44227     44228     44229     44230     44231     44232     44233
## 0.2543678 0.4546633 0.2548463 0.2910081 0.2475981 0.3220864 0.2612746
## 44234     44235     44236     44237     44238     44239     44240
## 0.2571977 0.2643245 0.2542997 0.3021794 0.2653346 0.3656925 0.2569934
## 44241     44242     44243     44244     44245     44246     44247

## 0.3035271 0.2900589 0.3096171 0.2902968 0.2741022 0.2774494 0.2639552
## 44248     44249     44250     44251     44252     44253     44254
## 0.2560955 0.2592966 0.3073944 0.2474550 0.2437724 0.3261478 0.2560955
## 44255     44256     44257     44258     44259     44260     44261

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## 0.2710342 0.2696158 0.3720199 0.2617767 0.2769650 0.2836056 0.2462760
## 44262 44263 44264 44265 44266 44267 44268
## 0.2499716 0.2647401 0.2622160 0.2633149 0.4104282 0.3093343 0.2747168
## 44269 44270 44271 44272 44273 44274 44275
## 0.2802167 0.2613625 0.2924429 0.2606644 0.2497322 0.2523738 0.3958712
## 44276 44277 44278 44279 44280 44281 44282
## 0.2511389 0.2414041 0.3165378 0.2690087 0.3449428 0.2667125 0.2633680
## 44283 44284 44285 44286 44287 44288 44289
## 0.2674829 0.2964608 0.2732601 0.2589075 0.2713406 0.2410198 0.2382550
## 44290 44291 44292 44293 44294 44295 44296
## 0.2382550 0.2428094 0.3652340 0.2893811 0.2528387 0.3500606 0.2572884
## 44297 44298 44299 44300 44301 44302 44303
## 0.2472559 0.5769559 0.2720971 0.2585721 0.4263985 0.2675591 0.2569854
## 44304 44305 44306 44307 44308 44309 44310
## 0.6917491 0.5566567 0.3263682 0.3602632 0.5817137 0.4305420 0.3000671
## 44311 44312 44313 44314 44315 44316 44317
## 0.2869398 0.2623587 0.3352220 0.2682328 0.2697994 0.2548194 0.3378241
## 44318 44319 44320 44321 44322 44323 44324
## 0.2623458 0.2689765 0.5399862 0.2540683 0.2543288 0.5489046 0.2569004
## 44325 44326 44327 44328 44329 44330 44331
## 0.2507875 0.3102593 0.2633488 0.2525241 0.3936986 0.2886132 0.2496502
## 44332 44333 44334 44335 44336 44337 44338
## 0.2881076 0.2582071 0.2459325 0.3625016 0.2730524 0.2844868 0.2611692
## 44339 44340 44341 44342 44343 44344 44345
## 0.2720715 0.3303591 0.3050264 0.2539907 0.2474754 0.3369020 0.2958647
## 44346 44347 44348 44349 44350 44351 44352
## 0.2756921 0.6254267 0.3407537 0.2691707 0.2776720 0.2757174 0.3042720
## 44353 44354 44355 44356 44357 44358 44359
## 0.2742208 0.2775101 0.2485913 0.4469836 0.2909138 0.2786206 0.3135681
## 44360 44361 44362 44363 44364 44365 44366
## 0.2636783 0.2817489 0.2998851 0.2501278 0.2453469 0.3423377 0.2662648
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## 0.3232042 0.2671595 0.2625980 0.2607280 0.3990342 0.3990342 0.2688241
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## 0.2688241 0.2668177 0.2668177 0.8248807 0.2881892 0.3659311 0.3659311
## 44381 44382 44383 44384 44385 44386 44387
## 0.2576214 0.2676144 0.2676144 0.2665970 0.2556918 0.2556918 0.8886238
## 44388 44389 44390 44391 44392 44393 44394
## 0.8211423 2.3486411 0.4266740 0.4266740 0.4979169 0.4343417 0.4343417
## 44395 44396 44397 44398 44399 44400 44401
## 0.4181179 0.6416823 0.6416823 0.4129542 0.4129542 0.3074099 0.3074099
## 44402 44403 44404 44405 44406 44407 44408
## 0.8498750 0.2727462 0.4062477 2.1010983 0.3301330 0.2650015 0.9976447
## 44409 44410 44411 44412 44413 44414 44415
## 0.3927486 0.6275942 0.2892739 0.7537827 0.4028102 0.4213898 0.3074910
## 44416 44417 44418 44419 44420 44421 44422
## 0.3662715 1.1577523 0.4082349 0.4606528 0.2869306 0.3677612 0.3482690
## 44423 44424 44425 44426 44427 44428 44429
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## 44430 44431 44432 44433 44434 44435 44436

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## 0.8739672 0.3151166 0.4158035 0.6024060 0.2691865 1.6985666 0.3609707
## 44437 44438 44439 44440 44441 44442 44443
## 0.2549389 0.4369481 0.3180263 0.3269244 0.4469080 0.2668852 0.5030715
## 44444 44445 44446 44447 44448 44449 44450
## 0.5030715 0.4009196 0.2918085 0.2918085 0.2699181 0.2699181 0.5279987
## 44451 44452 44453 44454 44455 44456 44457
## 0.5279987 0.2859885 0.2859885 0.7417785 0.3733916 0.3733916 0.6212610
## 44458 44459 44460 44461 44462 44463 44464
## 0.3095313 0.3417287 0.2917201 0.3345947 2.0662089 0.5797654 0.3068740
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## 2.3847917 0.6101558 0.4423837 1.1710318 0.4316807 0.4136012 0.5889445
## 44472 44473 44474 44475 44476 44477 44478
## 0.2685758 0.3071105 0.7158919 0.3088668 0.2690563 0.6849287 1.1574954
## 44479 44480 44481 44482 44483 44484 44485
## 0.5631907 0.4379226 0.6426179 0.2694370 0.2892239 0.2651371 0.2718338
## 44486 44487 44488 44489 44490 44491 44492
## 0.2631986 0.2394261 0.2460496 0.2575269 0.2444751 0.2444751 0.9580589
## 44493 44494 44495 44496 44497 44498 44499
## 0.9580589 0.4546357 0.4789761 0.4546357 0.3512987 0.3216484 0.3512987
## 44500 44501 44502 44503 44504 44505 44506
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## 0.4010222 0.4918878 0.3123776 0.3469047 0.2707756 1.3709692 0.2600818
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## 0.8944952 0.5954898 0.6864995 0.2774947 0.2649038 0.9219933 0.3844219
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## 0.3705483 0.3550677 0.3089958 1.7656839 0.2586844 0.8266346 0.4568840
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## 0.4750243 0.3486078 0.2832577 0.3033007 0.8578540 0.2654384 0.2834398
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## 0.2701267 0.2633683 0.3113302 0.2605219 0.2944654 0.2831170 0.2750157
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## 0.4855569 0.6747164 0.3112398 0.4321400 0.2806743 0.3240910 0.5539952
## 44556 44557 44558 44559 44560 44561 44562
## 0.2684419 0.2646260 0.3886024 0.2544025 0.3011051 0.3345757 0.3615039
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## 0.5432207 0.5475481 0.2716615 0.2716615 0.2570867 0.2570867 0.3744927
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## 0.2768896 0.2766516 0.2794663 0.2686825 0.2718611 0.4345116 0.3327324
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## 0.2969690 0.2906642 0.2737695 0.2699880 0.5359383 0.2775697 0.2737422
## 44591 44592 44593 44594 44595 44596 44597
## 0.3782612 0.2744965 0.2822514 0.3683130 0.2744523 0.2732356 0.5270566
## 44598 44599 44600 44601 44602 44603 44604
## 0.2924827 0.3378390 0.2997749 0.2571226 0.2521736 0.3435415 0.2800952
## 44605 44606 44607 44608 44609 44610 44611

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## 0.2695698 0.2989144 0.2728520 0.2804119 0.2924683 0.2536735 0.3824860
## 44612     44613     44614     44615     44616     44617     44618
## 0.3501267 0.2756749 0.4423428 0.2692831 0.4008585 0.3085387 1.0322908
## 44619     44620     44621     44622     44623     44624     44625
## 0.3211981 0.3557225 0.3040431 0.2931831 0.2817529 0.5149985 0.5149985
## 44626     44627     44628     44629     44630     44631     44632
## 0.2985935 0.2985935 0.2730484 0.2730484 1.0824062 1.0560209 0.4094820
## 44633     44634     44635     44636     44637     44638     44639
## 0.3775965 0.4568451 0.4464495 0.3636957 0.2575316 0.2572713 0.3363595
## 44640     44641     44642     44643     44644     44645     44646
## 0.3460504 0.3260390 0.2663151 0.4267729 0.2929348 0.6936889 0.3734927
## 44647     44648     44649     44650     44651     44652     44653
## 0.2615920 0.3009622 0.2646789 0.2682942 0.5801059 0.5684047 0.3890823
## 44654     44655     44656     44657     44658     44659     44660
## 0.3742186 0.5039779 0.4837923 0.3130843 0.2643014 0.2663144 1.1628477
## 44661     44662     44663     44664     44665     44666     44667
## 0.6725496 0.4384415 0.4215991 0.3001269 0.3273531 0.4167845 0.3049311
## 44668     44669     44670     44671     44672     44673     44674
## 0.2583816 0.2944041 0.2595150 0.6886416 0.2599099 0.3057392 0.2955770
## 44675     44676     44677     44678     44679     44680     44681
## 0.4276682 0.2556622 0.2570056 0.3587634 0.3587634 0.3767540 0.2610560
## 44682     44683     44684     44685     44686     44687     44688
## 0.2610560 0.2988809 0.2580605 0.2580605 0.3879979 0.4093552 0.3037509
## 44689     44690     44691     44692     44693     44694     44695
## 0.3055835 0.5456290 0.2927948 0.2787474 0.3138546 0.2875766 0.2606169
## 44696     44697     44698     44699     44700     44701     44702
## 0.2577965 0.2663712 0.2541698 0.5885952 0.2728481 0.2658261 0.3181942
## 44703     44704     44705     44706     44707     44708     44709
## 0.2837175 0.3107472 0.2716237 0.2840214 0.6079488 0.2711499 0.3391757
## 44710     44711     44712     44713     44714     44715     44716
## 0.3251490 0.2894667 0.3100618 0.3100618 0.2570371 0.2986506 0.3611795
## 44717     44718     44719     44720     44721     44722     44723
## 0.3611795 0.2626548 0.2653692 0.3426734 0.3426734 0.2618093 1.0532958
## 44724     44725     44726     44727     44728     44729     44730
## 0.3554460 0.4420944 0.3737586 0.7204458 0.2801470 0.4199285 0.3138459
## 44731     44732     44733     44734     44735     44736     44737
## 0.2801184 0.3036572 0.8287297 0.2709436 0.3188520 0.2698674 0.2866374
## 44738     44739     44740     44741     44742     44743     44744
## 0.6960635 0.7802255 0.3677468 0.3177319 0.2989672 0.3338364 0.2808728
## 44745     44746     44747     44748     44749     44750     44751
## 0.4625254 0.2701096 0.4046718 0.2695448 0.3699780 0.2927408 1.7178318
## 44752     44753     44754     44755     44756     44757     44758
## 0.2979815 0.8950848 0.2931320 0.4025584 0.3142612 0.3334002 0.2555141
## 44759     44760     44761     44762     44763     44764     44765
## 0.2556202 0.3194157 0.2566415 0.2382550 0.2395823 0.2410007 0.2394391
## 44766     44767     44768     44769     44770     44771     44772

## 0.2394391 0.2382550 0.2382550 0.2382550 0.8850727 0.4687432 0.4575002
## 44773     44774     44775     44776     44777     44778     44779
## 1.00555650 0.6399032 0.3613772 0.8122252 0.4495532 0.8583217 0.4436921
## 44780     44781     44782     44783     44784     44785     44786

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## 0.6124610 0.5468965 0.7442148 0.4674736 0.5418291 0.6559295 0.4785779
## 44787 44788 44789 44790 44791 44792 44793
## 0.3283804 0.5330531 0.3764231 0.3260912 1.1962328 0.5609212 0.4260795
## 44794 44795 44796 44797 44798 44799 44800
## 0.4712473 0.4712473 0.3511243 0.3511243 0.3344959 0.3344959 2.2315818
## 44801 44802 44803 44804 44805 44806 44807
## 1.2935281 0.7637758 0.9328962 0.4661134 0.4559134 0.5613883 0.4483072
## 44808 44809 44810 44811 44812 44813 44814
## 0.4274995 0.3439506 0.3187814 0.3091011 0.7947106 0.4725743 0.3914662
## 44815 44816 44817 44818 44819 44820 44821
## 0.3994459 0.4722061 0.3025631 0.4084842 0.3347757 0.3169631 0.8968248
## 44822 44823 44824 44825 44826 44827 44828
## 0.4344186 0.4519362 0.7409455 0.6673760 0.4913824 0.5892392 0.5914159
## 44829 44830 44831 44832 44833 44834 44835
## 0.9725868 0.4413464 0.8644915 0.6074577 0.9914037 0.4799878 0.6370491
## 44836 44837 44838 44839 44840 44841 44842
## 0.3771367 0.4083365 0.3314292 0.7967981 0.4477372 0.3249760 0.7633631
## 44843 44844 44845 44846 44847 44848 44849
## 0.7637660 0.4789784 0.4789784 0.3801335 0.3801335 0.6824619 0.4395420
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## 0.3448176 0.6319352 0.3510930 0.3440770 0.4837455 0.4892913 0.4654456
## 44857 44858 44859 44860 44861 44862 44863
## 0.3793107 0.3154138 0.9158228 0.3151796 1.0542309 0.6859293 0.6215718
## 44864 44865 44866 44867 44868 44869 44870
## 0.8377968 0.6447134 1.1485187 0.4580315 0.7013393 0.7702968 0.5181033
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## 0.4128277 0.6252428 0.4036502 0.3286401 0.8460481 0.4878156 0.4094173
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## 0.6351678 0.3444377 0.3393967 0.3524222 0.3373685 0.3112197 0.4786838
## 44885 44886 44887 44888 44889 44890 44891
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## 44955 44956 44957 44958 44959 44960 44961

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## 0.5005583 0.2959994 0.2834583 0.7031023 0.3198301 0.3158057 0.3292801
## 44962 44963 44964 44965 44966 44967 44968
## 0.5065531 0.3198889 0.3150400 0.3293532 0.5483140 0.3649998 0.2384111
## 44969 44970 44971 44972 44973 44974 44975
## 0.2382550 0.2382550 0.2445107 0.2423849 0.2423849 0.2382550 0.2382550
## 44976 44977 44978 44979 44980 44981 44982
## 0.2382550 1.8575653 0.6967726 0.4546007 0.5772787 0.5660680 0.3945289
## 44983 44984 44985 44986 44987 44988 44989
## 1.2841831 0.5538668 0.5284001 1.1724207 0.6171183 0.4096492 0.6980869
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## 44997 44998 44999 45000 45001 45002 45003
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## 45004 45005 45006 45007 45008 45009 45010
## 0.2420287 0.2420287 0.2450737 0.2569275 0.2404671 0.2404671 0.2450737
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## 1.0710669 0.2880736 0.2632330 1.2234707 0.2768966 0.3434222 1.5364888
## 45053 45054 45055 45056 45057 45058 45059
## 0.4280832 0.3529415 1.2234555 0.4017574 1.1098892 0.3265300 0.3280192
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## 0.2911050 1.4937181 0.9816347 0.5206796 0.3190743 0.3274716 0.2716735
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## 0.2879388 0.2750943 1.1349270 0.4274478 1.3132146 0.3149783 1.2006296
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## 0.3024961 0.7922211 0.3773850 2.0299681 0.7976262 0.3554557 0.4759164
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## 1.5570893 0.7488644 0.7477473 0.4170117 1.2214729 0.6090404 0.5704588
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## 0.5723656 1.0973453 0.4057705 0.3875273 0.7283378 0.2672421 0.2542688
## 45095 45096 45097 45098 45099 45100 45101
## 1.3346404 0.4236099 0.4129610 1.1789995 0.2972469 0.2616527 1.3823165
## 45102 45103 45104 45105 45106 45107 45108
## 0.4314045 0.2862687 1.0789706 1.0071947 0.4897729 0.3335408 0.3123632
## 45109 45110 45111 45112 45113 45114 45115
## 0.2843054 2.1022907 0.3995464 0.3496100 1.6873755 0.3378675 0.3375641
## 45116 45117 45118 45119 45120 45121 45122
## 0.3259436 1.5415176 0.3388286 0.3026478 0.5327073 1.4745402 0.3355445
## 45123 45124 45125 45126 45127 45128 45129
## 0.4701553 0.3612461 0.2384111 0.2382550 0.2382550 0.2943803 0.2786266
## 45130 45131 45132 45133 45134 45135 45136

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## 0.2567944 0.5032036 0.3141762 0.3603461 0.6471602 0.6219457 0.6143048
## 45137     45138     45139     45140     45141     45142     45143
## 0.4926511 0.3399256 0.2880237 0.4074607 0.3092228 0.2772243 0.3802539
## 45144     45145     45146     45147     45148     45149     45150
## 0.2917824 0.2656362 0.9796430 0.3580436 0.3078241 0.4180549 0.3647713
## 45151     45152     45153     45154     45155     45156     45157
## 0.4100081 0.2974748 0.4547651 0.3415086 0.6721197 0.4546368 0.3217937
## 45158     45159     45160     45161     45162     45163     45164
## 0.4488985 0.4612724 0.3671188 0.3373537 0.3191150 0.2730696 0.5321650
## 45165     45166     45167     45168     45169     45170     45171
## 0.3561426 0.2990979 0.4432844 0.5188750 0.3236496 0.3363490 0.2729522
## 45172     45173     45174     45175     45176     45177     45178
## 0.3063068 0.5644306 0.3338990 0.2698993 0.5094512 0.3412663 0.3220384
## 45179     45180     45181     45182     45183     45184     45185
## 0.6379297 0.4689026 0.3399364 0.4549407 0.3102209 0.2699414 1.3415224
## 45186     45187     45188     45189     45190     45191     45192
## 0.8695570 0.3937633 0.5871859 0.3702187 0.2995535 0.5281496 0.2940583
## 45193     45194     45195     45196     45197     45198     45199
## 0.2636408 0.3479649 0.2890229 0.2512028 0.3026118 0.2676354 0.2457359
## 45200     45201     45202     45203     45204     45205     45206
## 0.5860549 0.3185499 0.2597499 0.3096213 0.2673277 0.2506348 0.3315990
## 45207     45208     45209     45210     45211     45212     45213
## 0.24333200 0.2400642 0.5265592 0.3068531 0.2574471 1.7373693 1.6633583
## 45214     45215     45216     45217     45218     45219     45220
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## 45221     45222     45223     45224     45225     45226     45227
## 1.0783183 0.6999762 0.5042970 0.9447817 0.3625336 0.3278616 0.7557829
## 45228     45229     45230     45231     45232     45233     45234
## 0.3163064 0.3014422 0.4385418 0.3117078 0.2998337 0.8217783 1.4500614
## 45235     45236     45237     45238     45239     45240     45241
## 0.5887950 0.4467113 0.3413047 0.3242856 0.7799274 0.4511547 0.3854517
## 45242     45243     45244     45245     45246     45247     45248
## 0.3017305 0.2879534 0.2609000 0.3253280 0.2587281 0.2622747 0.3503632
## 45249     45250     45251     45252     45253     45254     45255
## 0.2656224 0.2691113 0.3081890 0.2731750 0.2683742 0.2705077 0.2592756
## 45256     45257     45258     45259     45260     45261     45262
## 0.2602703 0.3039974 0.2684644 0.2697019 0.2959960 0.2675199 0.2644871
## 45263     45264     45265     45266     45267     45268     45269
## 0.2651399 0.2598538 0.2581520 0.2732379 0.2534382 0.2794399 0.2992616
## 45270     45271     45272     45273     45274     45275     45276
## 0.2655906 0.2684017 0.2768111 0.2558643 0.2459455 0.3625059 0.2851530
## 45277     45278     45279     45280     45281     45282     45283
## 0.2591037 0.2747999 0.2604995 0.2661310 0.7591545 0.4106251 0.3673753
## 45284     45285     45286     45287     45288     45289     45290
## 0.3597285 0.7677058 0.3739228 0.3446904 1.1015325 0.3528943 0.3173253
## 45291     45292     45293     45294     45295     45296     45297

## 0.6108201 0.3588902 0.3253468 0.8498074 0.4082620 0.3960299 1.0845333
## 45298     45299     45300     45301     45302     45303     45304
## 0.4057517 0.3644153 0.6502223 0.4867806 0.3056713 0.4071975 0.3192005
## 45305     45306     45307     45308     45309     45310     45311

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## 0.2782009 0.3272682 0.2651446 0.3022275 2.0631820 1.7142670 1.0519279
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## 1.0412038 0.4162903 1.7234363 0.4005490 0.8195504 0.5128843 0.8374216
## 45319 45320 45321 45322 45323 45324 45325
## 0.4069627 0.7118177 0.3543661 0.5396629 0.7865898 0.3773365 0.3832518
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## 0.4713114 0.3331791 0.3303831 0.2956709 0.6141948 0.7884320 0.3931431
## 45333 45334 45335 45336 45337 45338 45339
## 0.3390472 0.2996163 0.5615627 0.2915781 0.8246725 0.3852937 0.4389964
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## 0.4069443 0.3840933 0.4202321 0.5893453 0.3180459 0.4539162 0.5308793
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## 45382 45383 45384 45385 45386 45387 45388
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## 0.4667618 0.3338254 0.4566162 0.2821438 1.3265257 0.2555604 1.1083313
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## 45480 45481 45482 45483 45484 45485 45486

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## 0.3640997 0.3652132 0.3155126 0.3246288 0.2724237 0.2793271 1.1583707
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## 45627 45628 45629 45630 45631 45632 45633
## 0.4561477 0.3365106 0.3844958 0.3067032 0.2930716 0.6562118 0.4149150
## 45634 45635 45636 45637 45638 45639 45640
## 0.3552163 0.4419804 0.3632378 0.3156287 0.6461907 0.6290193 0.3277848
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## 0.4105013 0.4111366 0.3324676 0.3908255 0.3360252 0.3785238 0.5092778
## 45648 45649 45650 45651 45652 45653 45654
## 0.5103939 0.4799160 0.3844607 0.4856874 0.3238701 0.5411096 0.6345533
## 45655 45656 45657 45658 45659 45660 45661

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## 0.6328976 0.3831718 0.3405263 0.5666539 0.2817472 0.4532000 0.4749808
## 45662     45663     45664     45665     45666     45667     45668
## 0.3747259 0.4578631 0.2841228 0.4337144 0.3047624 0.3616816 0.3504906
## 45669     45670     45671     45672     45673     45674     45675
## 0.3231850 0.4876034 0.3150633 0.3470399 0.2888335 0.6324191 0.4292103
## 45676     45677     45678     45679     45680     45681     45682
## 0.4695571 0.7723566 0.5079049 0.5591265 0.4975045 0.3601760 0.3368068
## 45683     45684     45685     45686     45687     45688     45689
## 0.5815603 0.4124051 0.8690328 0.4445153 0.3332348 0.5345201 0.4042449
## 45690     45691     45692     45693     45694     45695     45696
## 0.2845482 0.3922814 0.3843213 0.5620406 0.3781822 0.4394171 0.4347485
## 45697     45698     45699     45700     45701     45702     45703
## 0.3241347 0.3133212 0.5478194 0.3647192 0.3058649 0.8076544 0.4247601
## 45704     45705     45706     45707     45708     45709     45710
## 0.3467800 0.3204509 0.3993305 0.3149827 0.3949820 0.3128213 0.2794634
## 45711     45712     45713     45714     45715     45716     45717
## 0.6406386 0.3429869 0.3070315 0.4136139 0.3697506 0.3233796 0.3701485
## 45718     45719     45720     45721     45722     45723     45724
## 0.3359283 0.3186071 0.4971251 0.5919392 0.3841614 0.7539730 0.4072230
## 45725     45726     45727     45728     45729     45730     45731
## 0.3317741 0.6419476 0.3192065 0.2932391 0.6862487 0.3696378 0.3260447
## 45732     45733     45734     45735     45736     45737     45738
## 0.4339387 0.3765002 0.3466649 0.6956601 0.3287662 0.2842397 0.5944462
## 45739     45740     45741     45742     45743     45744     45745
## 0.3265332 0.2918090 0.7145778 0.4104205 0.3900479 0.3847865 0.3848232
## 45746     45747     45748     45749     45750     45751     45752
## 0.3342854 0.8431797 0.5394055 0.4820726 0.4627761 0.4421661 0.3895712
## 45753     45754     45755     45756     45757     45758     45759
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## 45760     45761     45762     45763     45764     45765     45766
## 0.4040316 0.3251049 0.7723807 0.4909849 0.6237624 0.3838935 0.3562001
## 45767     45768     45769     45770     45771     45772     45773
## 0.3105897 0.7772058 0.4778611 0.4647127 0.3369217 0.3796672 0.4907778
## 45774     45775     45776     45777     45778     45779     45780
## 0.8863893 0.5866628 0.4446158 0.7027441 0.6443783 0.4447307 0.8009895
## 45781     45782     45783     45784     45785     45786     45787
## 0.8088299 0.4947650 0.7905246 0.5388342 0.7325482 0.5164678 0.7906154
## 45788     45789     45790     45791     45792     45793     45794
## 0.8379154 0.3158041 0.2402329 0.2402329 0.2400767 0.2402329 0.2394521
## 45795     45796     45797     45798     45799     45800     45801
## 0.2392960 0.2623128 0.2403590 0.2400767 0.2448524 0.2407925 0.2531976
## 45802     45803     45804     45805     45806     45807     45808
## 0.2382550 0.2382550 0.2382550 0.2866527 0.2829818 0.2476892 0.2487433
## 45809     45810     45811     45812     45813     45814     45815
## 0.2435642 0.2430046 0.3623910 0.3138345 0.3155782 0.2709522 0.2525131
## 45816     45817     45818     45819     45820     45821     45822

## 0.2603246 0.3230478 0.2527902 0.2583553 0.2398425 0.2587821 0.2407404
## 45823     45824     45825     45826     45827     45828     45829
## 0.2471297 0.2465441 0.2462058 0.2462058 0.2415732 0.2415732 0.2542553
## 45830     45831     45832     45833     45834     45835     45836

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## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2593244 0.2411713
## 45837 45838 45839 45840 45841 45842 45843
## 0.2454771 0.3183378 0.2597784 0.2794664 0.6055816 0.5485382 0.4790571
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## 0.6668022 0.5101255 0.4170067 0.4208756 0.3899537 0.3258310 0.2785303
## 45970 45971 45972 45973 45974 45975 45976
## 0.2820521 1.1687127 0.5336723 0.3811172 0.2382550 0.2382550 0.2382550
## 45977 45978 45979 45980 45981 45982 45983
## 0.2452819 0.2429396 0.2429396 0.2486443 0.2382550 0.2382550 0.2382550
## 45984 45985 45986 45987 45988 45989 45990
## 0.2382550 0.2382550 0.2393220 0.2389056 0.2386453 0.2390357 0.2382550
## 45991 45992 45993 45994 45995 45996 45997
## 0.2382550 0.3206315 0.2617008 0.2535119 0.3187121 0.2608452 0.2574879
## 45998 45999 46000 46001 46002 46003 46004
## 0.2650897 0.5984779 0.2521357 0.3451744 0.2483750 0.2703487 0.2988703
## 46005 46006 46007 46008 46009 46010 46011

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## 0.2482533 0.2423027 0.2390878 0.2403500 0.2385673 0.2568432 0.2585583
## 46012 46013 46014 46015 46016 46017 46018
## 0.2395432 0.2446833 0.2392439 0.2467312 0.7012093 0.6044453 0.5889544
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## 0.2391398 0.2382550 0.2382550 0.2428184 0.2901780 0.2769401 1.1293869
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## 0.7881097 0.2724301 0.3475819 0.8831555 1.0840361 0.5996452 0.6056281
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## 0.4635218 0.9211440 0.4624882 1.1022761 0.4007581 0.3949156 0.4586490
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## 46159 46160 46161 46162 46163 46164 46165
## 0.5682831 0.3170817 0.4538189 0.4485775 0.4730071 0.3956166 0.7841388
## 46166 46167 46168 46169 46170 46171 46172
## 0.7810879 0.4816620 0.9464726 0.3523161 0.7895600 1.4663916 0.3344018
## 46173 46174 46175 46176 46177 46178 46179
## 0.5802134 0.2671458 0.3791328 0.7050035 0.3642158 0.4124120 0.5746747
## 46180 46181 46182 46183 46184 46185 46186

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## 0.4814236 0.3108153 0.8797890 0.3064332 0.3403697 1.0710539 0.3162190
## 46187     46188     46189     46190     46191     46192     46193
## 0.6097906 0.5305137 0.9574220 0.3599622 0.5084929 0.5409043 0.7737805
## 46194     46195     46196     46197     46198     46199     46200
## 0.5065469 0.3037309 0.5215792 0.2729481 0.8901268 0.9469996 0.4750656
## 46201     46202     46203     46204     46205     46206     46207
## 1.2169925 0.4839798 0.5834702 0.6813328 0.2881983 0.6960606 0.3003070
## 46208     46209     46210     46211     46212     46213     46214
## 0.4264717 0.4439186 0.8669732 0.3387100 0.3756356 0.2804817 0.8055927
## 46215     46216     46217     46218     46219     46220     46221
## 0.5752372 0.8494318 0.4928460 1.1859411 0.3346388 0.7625508 0.9222385
## 46222     46223     46224     46225     46226     46227     46228
## 0.6499852 0.4187125 0.5287783 0.8544414 0.2790910 0.3250640 0.6508123
## 46229     46230     46231     46232     46233     46234     46235
## 0.5930686 0.2896932 0.3278962 0.3342422 0.4867152 0.3151236 0.7820388
## 46236     46237     46238     46239     46240     46241     46242
## 0.5445532 0.6382236 0.9124792 1.0353147 0.3108597 0.5563618 0.6437837
## 46243     46244     46245     46246     46247     46248     46249
## 0.3045786 0.3151233 0.5032943 1.2524506 0.5601192 0.5879124 1.1521413
## 46250     46251     46252     46253     46254     46255     46256
## 0.6641625 0.7389845 0.3267139 0.6915205 0.4944003 0.3421817 0.4186436
## 46257     46258     46259     46260     46261     46262     46263
## 1.1356854 0.3990801 0.3960976 0.4153975 0.9918344 1.1321225 0.3135848
## 46264     46265     46266     46267     46268     46269     46270
## 0.4054495 0.6844554 0.4621263 1.0106494 0.6668302 0.5482354 0.3263760
## 46271     46272     46273     46274     46275     46276     46277
## 1.2201071 0.3111758 0.3027817 1.0885860 0.7181484 0.7419037 0.6552788
## 46278     46279     46280     46281     46282     46283     46284
## 0.5272623 0.7010658 0.5847226 0.4307776 1.1678358 0.7397357 0.5197588
## 46285     46286     46287     46288     46289     46290     46291
## 1.2566056 0.9491869 0.9376869 0.3599003 0.4817737 0.8897315 0.3159663
## 46292     46293     46294     46295     46296     46297     46298
## 0.8484472 0.4354296 0.9441033 0.5925580 0.5355291 0.5179508 0.5392323
## 46299     46300     46301     46302     46303     46304     46305
## 0.3238313 0.4842479 0.3492097 0.2878798 0.8050022 0.3314270 0.2673041
## 46306     46307     46308     46309     46310     46311     46312
## 1.6936965 0.9166594 0.7845818 0.9687947 0.8384969 0.4559651 0.7057710
## 46313     46314     46315     46316     46317     46318     46319
## 0.5497818 0.3322078 0.4026916 0.3181921 0.7809422 0.9826865 0.5341442
## 46320     46321     46322     46323     46324     46325     46326
## 0.8328306 1.1307983 0.3299655 1.6714896 0.3248292 0.4099177 0.7412697
## 46327     46328     46329     46330     46331     46332     46333
## 0.2677623 0.3632219 0.6360903 0.7454818 1.1235527 0.3507749 0.6641380
## 46334     46335     46336     46337     46338     46339     46340
## 0.3277515 0.4308753 1.4383319 0.5770466 0.9826286 0.3371780 0.4324796
## 46341     46342     46343     46344     46345     46346     46347

## 0.3859728 1.0702088 0.3157495 0.3339589 0.5343040 0.7593659 0.2736233
## 46348     46349     46350     46351     46352     46353     46354
## 1.0283677 0.3919964 0.3406037 1.1111183 0.5926669 0.7236868 0.3234898
## 46355     46356     46357     46358     46359     46360     46361

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## 0.6177239 0.4320849 0.4763714 0.3307714 0.3161970 1.1921319 0.7285422
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## 0.4811195 0.6884694 0.8897315 0.4096230 0.4906959 0.5269864 0.3084912
## 46369 46370 46371 46372 46373 46374 46375
## 0.4995303 0.8223067 0.3155159 0.2901741 0.3190290 0.2753880 0.2966214
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## 0.2887201 0.3681376 0.3250460 0.2999632 0.3157623 0.3189818 0.3044238
## 46383 46384 46385 46386 46387 46388 46389
## 0.5409271 0.3283350 0.3764223 0.3015028 0.4313017 0.2843255 0.6353388
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## 0.3093946 0.3140936 0.2747372 0.2843372 0.3075460 0.3075049 0.2978190
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## 0.5821913 0.5800411 0.7467290 0.4234134 0.3175765 0.3580378 0.2884661
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## 0.4922909 0.3834633 0.5895493 0.3804505 1.0269565 0.7626418 0.4731736
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## 46880 46881 46882 46883 46884 46885 46886

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## 0.3525409 0.9678899 0.5402275 2.1400070 0.3160500 1.3297816 0.3241491
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## 0.4535336 0.9891010 1.0406281 0.4396013 0.6757392 0.3699350 1.2676664
## 46978 46979 46980 46981 46982 46983 46984
## 1.2584045 1.1435264 1.5929136 0.6708846 0.4869713 1.5698381 0.6701058
## 46985 46986 46987 46988 46989 46990 46991
## 1.8742645 0.4381456 1.3972654 0.7629101 2.0320645 0.9874590 1.3489253
## 46992 46993 46994 46995 46996 46997 46998
## 0.5739982 2.2921259 0.5067705 1.2383730 0.7113970 0.6856758 2.3761910
## 46999 47000 47001 47002 47003 47004 47005
## 1.3403465 2.1330071 0.2847755 0.7600762 0.7540489 0.2529178 0.4817294
## 47006 47007 47008 47009 47010 47011 47012
## 0.2639042 1.5784504 0.6436297 0.4311988 1.5692856 0.8094949 1.6784361
## 47013 47014 47015 47016 47017 47018 47019
## 0.3999350 0.8637041 1.4808841 0.4549368 1.1059035 0.8547067 1.7182498
## 47020 47021 47022 47023 47024 47025 47026
## 1.5948558 1.2662368 1.5973974 0.6215834 1.8852031 0.3428747 1.2602751
## 47027 47028 47029 47030 47031 47032 47033
## 0.6557025 1.1987887 0.4266300 2.2384209 0.2923696 0.7480641 1.3136304
## 47034 47035 47036 47037 47038 47039 47040
## 0.4018116 0.5559628 0.8403838 1.3669620 1.1919307 0.4883389 0.2872307
## 47041 47042 47043 47044 47045 47046 47047
## 1.1038412 0.2578240 0.3775506 0.2668520 1.4099238 0.3222626 0.7125008
## 47048 47049 47050 47051 47052 47053 47054
## 0.7639747 2.3709638 1.0987833 1.1384454 2.1961375 1.8020435 1.2387584
## 47055 47056 47057 47058 47059 47060 47061

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## 1.0057942 0.6523004 0.4731487 1.9089395 0.6911277 1.7036092 0.5896400
## 47062 47063 47064 47065 47066 47067 47068
## 0.4685743 0.7450864 1.8303973 0.8244570 0.9558654 2.3143387 1.5456237
## 47069 47070 47071 47072 47073 47074 47075
## 0.6753803 0.7100698 0.4823863 0.8199178 2.3502213 1.0219626 0.7596996
## 47076 47077 47078 47079 47080 47081 47082
## 1.1460173 1.7890056 0.2984193 0.5960493 0.5007923 0.2582755 0.3547433
## 47083 47084 47085 47086 47087 47088 47089
## 0.9095710 0.2826896 1.9170329 1.1605254 1.7895816 0.6282452 0.7049141
## 47090 47091 47092 47093 47094 47095 47096
## 0.3742096 1.5227529 0.4123863 1.1527416 0.5923933 2.3906287 0.9607654
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## 1.0898104 1.7019180 0.5631443 0.3601939 2.4220739 0.9668623 1.8637967
## 47104 47105 47106 47107 47108 47109 47110
## 0.4121509 0.4321441 0.3717786 2.6499611 1.5171993 0.7138689 1.9913931
## 47111 47112 47113 47114 47115 47116 47117
## 0.4871157 0.3506996 1.1672489 0.3407599 0.5656347 1.5082623 0.7809691
## 47118 47119 47120 47121 47122 47123 47124
## 2.0003769 1.4253740 0.5920633 1.1846380 0.2646896 0.3989697 0.2612135
## 47125 47126 47127 47128 47129 47130 47131
## 2.2589819 1.1339319 0.7198175 1.5195015 0.9167799 0.4907374 1.4958048
## 47132 47133 47134 47135 47136 47137 47138
## 0.8244149 0.4490495 2.0862935 1.3494839 0.5951868 0.4759014 0.8018165
## 47139 47140 47141 47142 47143 47144 47145
## 0.8040851 0.4232272 0.2622217 0.3576003 0.2890026 0.8361540 0.5702733
## 47146 47147 47148 47149 47150 47151 47152
## 0.3254283 0.9305759 0.2925466 0.3010227 0.2745229 0.3113728 0.3276392
## 47153 47154 47155 47156 47157 47158 47159
## 0.3593462 0.2642192 0.3261717 0.3586202 0.2557210 0.5278031 0.2553561
## 47160 47161 47162 47163 47164 47165 47166
## 0.6055919 0.2711704 0.3760764 0.2687529 0.3063907 0.3973799 0.3283952
## 47167 47168 47169 47170 47171 47172 47173
## 0.3936071 0.4793915 0.5454147 0.3055400 1.7144911 0.2709773 0.2763496
## 47174 47175 47176 47177 47178 47179 47180
## 0.3788581 0.2516454 0.4344723 0.2696139 0.2777579 0.3989645 1.4504071
## 47181 47182 47183 47184 47185 47186 47187
## 0.3021766 0.4604431 0.2735163 0.3778629 0.3306655 0.2745201 0.2778984
## 47188 47189 47190 47191 47192 47193 47194
## 0.6276923 0.2746560 0.3397348 0.3801577 0.3843419 0.3336344 0.5085524
## 47195 47196 47197 47198 47199 47200 47201
## 0.2687766 0.3264162 0.3016543 0.5852136 0.2872983 0.6756809 0.2695377
## 47202 47203 47204 47205 47206 47207 47208
## 0.3074248 0.2662092 0.2755876 0.2534946 0.2515163 0.8123949 0.4461113
## 47209 47210 47211 47212 47213 47214 47215
## 0.3820241 0.6257232 0.3044087 0.5938528 0.3709538 0.3244002 0.2939825
## 47216 47217 47218 47219 47220 47221 47222
## 0.2863012 0.2751187 0.2923439 0.5783328 0.2562508 0.2612425 0.2482809
## 47223 47224 47225 47226 47227 47228 47229
## 0.2592755 0.3389649 0.2672173 0.2772392 0.3813922 0.2732199 0.2667737
## 47230 47231 47232 47233 47234 47235 47236

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## 0.2714214 0.2879759 0.2690065 0.2991041 0.2642337 0.2545462 0.3592326
## 47237     47238     47239     47240     47241     47242     47243
## 0.3103243 0.2917467 0.2897621 0.2750161 0.3352836 0.2876176 0.2935154
## 47244     47245     47246     47247     47248     47249     47250
## 0.3183310 0.4133412 0.2623232 0.2518788 0.3325765 0.2851019 0.2935887
## 47251     47252     47253     47254     47255     47256     47257
## 0.6793896 0.4875460 0.2723739 0.2534397 0.3150433 0.2597258 0.6011149
## 47258     47259     47260     47261     47262     47263     47264
## 0.2856036 0.2974959 0.4903687 0.3597102 0.2660221 0.4310312 0.2502599
## 47265     47266     47267     47268     47269     47270     47271
## 0.2422843 0.2696755 0.2592259 0.2483158 0.7631103 0.2854686 0.2581538
## 47272     47273     47274     47275     47276     47277     47278
## 0.2640069 0.2570730 0.2529471 0.4533087 0.3815508 0.3541094 0.2872473
## 47279     47280     47281     47282     47283     47284     47285
## 0.3543962 0.2660159 0.3083258 0.2615488 0.2508510 0.2756090 0.2628434
## 47286     47287     47288     47289     47290     47291     47292
## 0.2777928 0.3349514 0.3321386 0.2838143 0.2706984 0.2573015 0.2656918
## 47293     47294     47295     47296     47297     47298     47299
## 0.3129858 0.2555087 0.2537377 0.4220307 0.2691483 0.2546050 0.3697589
## 47300     47301     47302     47303     47304     47305     47306
## 0.2678284 0.2592484 0.4390753 0.2748787 0.2796499 0.4635341 0.3070904
## 47307     47308     47309     47310     47311     47312     47313
## 0.2676622 0.3578931 0.3226168 0.2565263 1.4711499 0.4365875 0.4584019
## 47314     47315     47316     47317     47318     47319     47320
## 0.4175126 0.2788603 0.4046171 0.3524663 0.2635258 0.2507082 0.6921819
## 47321     47322     47323     47324     47325     47326     47327
## 0.2847113 0.2476966 0.2654809 0.3933731 0.2762755 0.2598686 0.3454270
## 47328     47329     47330     47331     47332     47333     47334
## 0.2801289 0.2593607 0.8145114 1.0525432 0.3799760 0.6007695 0.3310864
## 47335     47336     47337     47338     47339     47340     47341
## 0.4418594 2.4471760 1.1068453 0.6659076 1.2383687 0.3803279 0.3209481
## 47342     47343     47344     47345     47346     47347     47348
## 0.5997824 0.3422479 0.3286701 0.3392493 0.2932704 0.2958301 0.9287064
## 47349     47350     47351     47352     47353     47354     47355
## 1.2143085 0.3604747 0.4310142 0.2672070 0.2487468 0.6713368 0.6890917
## 47356     47357     47358     47359     47360     47361     47362
## 0.3410980 0.4382284 0.2908455 0.2715215 0.5211178 0.2978578 0.2757040
## 47363     47364     47365     47366     47367     47368     47369
## 0.3559184 0.2801420 0.2575374 2.3686633 1.1829764 0.5578785 0.7864979
## 47370     47371     47372     47373     47374     47375     47376
## 0.3339513 0.2978837 0.5109070 0.2848683 0.2689313 0.5492765 0.3810307
## 47377     47378     47379     47380     47381     47382     47383
## 0.7665618 0.3214877 0.2713340 0.2519856 0.4396866 0.3130680 0.2937166
## 47384     47385     47386     47387     47388     47389     47390
## 0.4885383 0.3278805 0.7530865 0.2770792 0.3006485 0.2686293 1.0631800
## 47391     47392     47393     47394     47395     47396     47397

## 1.2178620 0.6725349 0.4690334 0.5313749 0.2813234 0.2532695 0.6247479
## 47398     47399     47400     47401     47402     47403     47404
## 0.3217653 0.3506311 0.4675079 0.3306801 0.6392232 0.3123168 0.3007970
## 47405     47406     47407     47408     47409     47410     47411

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## 0.2763807 0.2826913 0.2683327 0.3737431 0.5099579 0.3040449 0.2730966
## 47412 47413 47414 47415 47416 47417 47418
## 1.0062367 0.2841500 0.2647307 0.2708093 0.7191038 0.2815519 0.9961672
## 47419 47420 47421 47422 47423 47424 47425
## 0.2566869 0.8901866 0.5307705 0.3579271 0.4152252 0.2805413 0.4274160
## 47426 47427 47428 47429 47430 47431 47432
## 0.2648358 0.3028536 0.2855425 0.8275931 0.2693900 0.3006933 0.7893136
## 47433 47434 47435 47436 47437 47438 47439
## 0.2576253 0.2844038 0.3198564 0.3058740 0.2880043 0.6945088 0.3323518
## 47440 47441 47442 47443 47444 47445 47446
## 0.9323025 0.3151724 0.2793167 0.2802254 0.2786884 1.2328320 0.3106649
## 47447 47448 47449 47450 47451 47452 47453
## 0.3006239 0.3017040 0.3159861 0.2846101 0.2652305 1.1043821 0.2993236
## 47454 47455 47456 47457 47458 47459 47460
## 0.2999011 1.0889905 0.4587538 0.2815880 0.2947564 0.4002106 0.2592068
## 47461 47462 47463 47464 47465 47466 47467
## 0.2467699 0.2935062 0.8764216 0.2872018 0.4403879 0.2654255 0.3403967
## 47468 47469 47470 47471 47472 47473 47474
## 0.8088882 0.3648595 0.4025972 1.2324027 0.2886041 0.2724164 0.2856496
## 47475 47476 47477 47478 47479 47480 47481
## 0.4211617 0.2977268 0.2616688 0.3713685 0.2950727 0.2764911 0.4024026
## 47482 47483 47484 47485 47486 47487 47488
## 0.3242256 0.3044754 0.3163733 0.2853032 0.3631296 0.4453364 0.3236478
## 47489 47490 47491 47492 47493 47494 47495
## 0.3506920 0.3083668 0.2754337 0.2756702 0.6299305 0.2927746 0.3000762
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## 0.4187134 0.3124726 0.2905792 0.2920334 0.2449797 0.2461329 0.2972774
## 47503 47504 47505 47506 47507 47508 47509
## 0.2509929 0.2590693 0.6028327 0.5443953 0.4312669 0.4757304 0.4546852
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## 0.5002726 0.4843762 0.6051241 0.3082045 0.2846534 0.8805582 0.3218155
## 47517 47518 47519 47520 47521 47522 47523
## 0.2943081 0.3078604 1.0971260 0.5442918 0.3324013 0.4010266 0.3586815
## 47524 47525 47526 47527 47528 47529 47530
## 0.3332417 0.8044579 0.3284044 0.3006525 0.3352405 0.4032028 0.3156838
## 47531 47532 47533 47534 47535 47536 47537
## 0.8894577 0.4397778 0.3357847 0.3657173 0.3008604 0.3391153 0.3219605
## 47538 47539 47540 47541 47542 47543 47544
## 0.3006082 0.2998960 0.5194965 0.3504475 0.9011182 0.3286561 0.3831420
## 47545 47546 47547 47548 47549 47550 47551
## 0.3567296 0.3631308 0.3446062 0.3271297 0.4078300 0.3119164 0.2803572
## 47552 47553 47554 47555 47556 47557 47558
## 0.5416537 0.3475945 0.2777194 0.3776351 0.3187837 0.3150620 1.9524927
## 47559 47560 47561 47562 47563 47564 47565
## 0.5581360 0.3914294 0.5840289 0.3452286 0.6303521 0.4275002 0.3235228
## 47566 47567 47568 47569 47570 47571 47572
## 0.3749560 0.3676242 0.3181639 0.3170650 0.6476138 0.4626161 0.3696482
## 47573 47574 47575 47576 47577 47578 47579
## 0.3810065 0.3251984 0.2966897 0.6230571 0.3551173 0.2982552 0.3995119
## 47580 47581 47582 47583 47584 47585 47586

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## 0.3884350 0.3159495 0.5263209 0.4151997 0.3328607 0.3759995 0.3136335
## 47587 47588 47589 47590 47591 47592 47593
## 0.5961919 0.3139570 0.3488011 0.3301793 0.6887999 0.3484631 0.3352989
## 47594 47595 47596 47597 47598 47599 47600
## 0.4788033 0.4523309 0.3422984 0.7590656 0.5326362 0.3602613 0.4880067
## 47601 47602 47603 47604 47605 47606 47607
## 0.2683460 0.2519122 0.5280512 0.3595221 0.3639771 0.4031326 0.3363612
## 47608 47609 47610 47611 47612 47613 47614
## 0.3086913 0.3083329 0.3342711 0.5734108 0.2887399 0.3774552 0.3129664
## 47615 47616 47617 47618 47619 47620 47621
## 0.7056529 1.3116689 0.8629542 0.3621630 0.2836928 0.4441483 0.2650462
## 47622 47623 47624 47625 47626 47627 47628
## 0.3961598 0.3260948 0.8590003 0.4667790 0.8241542 0.4538088 0.2841418
## 47629 47630 47631 47632 47633 47634 47635
## 0.4059341 0.3415819 0.2602512 0.3449613 0.4006716 0.2688100 0.2588642
## 47636 47637 47638 47639 47640 47641 47642
## 0.4344413 0.3840395 0.3083383 0.4332517 0.3219298 0.3037044 0.3706449
## 47643 47644 47645 47646 47647 47648 47649
## 0.3576559 0.3068319 0.3092831 0.3020420 0.2935681 0.3430385 0.3638536
## 47650 47651 47652 47653 47654 47655 47656
## 0.3658141 0.7336676 0.5489247 0.3342791 0.8795843 0.4134836 0.5170556
## 47657 47658 47659 47660 47661 47662 47663
## 0.3400938 0.6129638 0.4414999 0.3098981 0.5229936 0.3395541 0.3417460
## 47664 47665 47666 47667 47668 47669 47670
## 0.6524264 0.3345858 0.4065082 0.3108470 0.3534960 0.5219874 0.3721602
## 47671 47672 47673 47674 47675 47676 47677
## 0.3334180 0.4404889 0.2904082 0.3127531 0.3679993 0.4110745 0.3468811
## 47678 47679 47680 47681 47682 47683 47684
## 0.5631675 0.3008178 0.2961544 0.5526314 0.3914553 0.3646837 0.2759472
## 47685 47686 47687 47688 47689 47690 47691
## 0.2610739 0.2484413 0.7769901 0.3990937 0.4065247 0.4155845 0.4459470
## 47692 47693 47694 47695 47696 47697 47698
## 0.3597811 0.6237670 0.4117967 0.3457977 0.9361988 0.2811848 1.0850399
## 47699 47700 47701 47702 47703 47704 47705
## 0.2794932 0.4238804 0.2652201 1.6776594 0.6033833 0.3474084 0.4580063
## 47706 47707 47708 47709 47710 47711 47712
## 0.3260420 0.2993611 1.4090314 2.2004521 0.7032738 0.6606993 0.4184636
## 47713 47714 47715 47716 47717 47718 47719
## 0.3813736 2.1447245 0.8378446 0.6163531 0.8216293 1.4721425 0.5217136
## 47720 47721 47722 47723 47724 47725 47726
## 0.4397191 0.3681239 0.6291976 0.2658146 0.2596083 0.2440948 2.0153740
## 47727 47728 47729 47730 47731 47732 47733
## 0.58666874 0.3870688 0.9301865 0.4540939 0.4337617 2.2522217 0.8698400
## 47734 47735 47736 47737 47738 47739 47740
## 0.7856021 0.2469995 0.2431998 0.2431998 0.2382550 0.2382550 0.2382550
## 47741 47742 47743 47744 47745 47746 47747
## 0.2403370 0.2390357 0.2413780 0.2382550 0.2398165 0.2382550 0.2382550
## 47748 47749 47750 47751 47752 47753 47754
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 47755 47756 47757 47758 47759 47760 47761

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## 0.2382550 0.2382550 0.2384111 0.2384111 0.2382550 0.2382550 0.2388495
## 47762    47763    47764    47765    47766    47767    47768
## 0.2416383 0.2418074 0.2382550 0.9917416 1.0151115 0.9360973 1.8897895
## 47769    47770    47771    47772    47773    47774    47775
## 1.6172909 1.4848183 1.3284169 0.5836430 0.9098949 1.2527684 1.1017337
## 47776    47777    47778    47779    47780    47781    47782
## 0.8135524 1.1963542 1.0368634 0.7043996 0.2858569 0.2926874 0.2791554
## 47783    47784    47785    47786    47787    47788    47789
## 0.3373155 0.3332899 0.2698481 0.3038558 0.2710258 0.2782406 0.2464530
## 47790    47791    47792    47793    47794    47795    47796
## 0.2569457 0.2433169 0.3074867 0.3415243 0.2544429 0.2709620 0.2615999
## 47797    47798    47799    47800    47801    47802    47803
## 0.2619513 0.2829225 0.2670754 0.2818653 0.2947128 0.3203123 0.3111302
## 47804    47805    47806    47807    47808    47809    47810
## 0.2704888 0.2728269 0.2726135 0.3818660 0.3025874 0.2922777 0.2746989
## 47811    47812    47813    47814    47815    47816    47817
## 0.3363560 0.2724745 0.2893952 0.2479463 0.2805100 0.2454120 0.2581192
## 47818    47819    47820    47821    47822    47823    47824
## 0.2642155 0.2535320 0.3641612 0.2507733 0.2574183 0.2563903 0.2829374
## 47825    47826    47827    47828    47829    47830    47831
## 0.2720906 0.2699953 0.3409311 0.2636832 0.2511116 0.2484830 0.2535840
## 47832    47833    47834    47835    47836    47837    47838
## 0.2641114 0.2436422 0.2715884 0.2659982 0.2701427 0.2679371 0.3026936
## 47839    47840    47841    47842    47843    47844    47845
## 0.4079923 0.2649614 0.2605110 0.4510841 0.3176083 0.3288166 0.2908687
## 47846    47847    47848    47849    47850    47851    47852
## 0.2567112 0.2903066 0.2587052 0.3289122 0.3595810 0.2805988 0.2890656
## 47853    47854    47855    47856    47857    47858    47859
## 0.3189716 0.2889040 0.2465831 0.3624086 0.2496672 0.3023513 0.3503803
## 47860    47861    47862    47863    47864    47865    47866
## 0.2696938 0.2536491 0.2970813 0.2502397 0.3055013 0.3144956 0.2680583
## 47867    47868    47869    47870    47871    47872    47873
## 0.2712016 0.4179818 0.2908814 0.4282476 0.3150113 0.3633209 0.3866934
## 47874    47875    47876    47877    47878    47879    47880
## 0.2561655 0.2582173 0.2578471 0.3173727 0.2556921 0.2602596 0.3667079
## 47881    47882    47883    47884    47885    47886    47887
## 0.2500673 0.2556888 0.3030684 0.4494168 0.3113173 0.3285859 0.2576949
## 47888    47889    47890    47891    47892    47893    47894
## 0.2567206 0.2598378 0.4324130 0.3285373 0.3001311 0.3264923 0.3389878
## 47895    47896    47897    47898    47899    47900    47901
## 0.2582659 0.2621927 0.2893243 0.3914752 0.2806015 0.2936453 0.4454484
## 47902    47903    47904    47905    47906    47907    47908
## 0.2865848 0.2905785 0.3133641 0.2577499 0.2639019 0.3449969 0.3235800
## 47909    47910    47911    47912    47913    47914    47915
## 0.3228311 0.3202414 0.2644713 0.2668916 0.2952939 0.2895387 0.2736690
## 47916    47917    47918    47919    47920    47921    47922

## 0.2909485 0.2701776 0.2641616 0.3234836 0.2687414 0.2663752 0.2941565
## 47923    47924    47925    47926    47927    47928    47929
## 0.2633957 0.4403258 0.2700560 0.3075010 0.2606369 0.3285141 0.2683383
## 47930    47931    47932    47933    47934    47935    47936

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## 0.3215117 0.2611965 0.2982742 0.2718540 0.3533955 0.4221696 0.2740661
## 47937 47938 47939 47940 47941 47942 47943
## 0.2709832 0.2728429 0.2713129 0.2566811 0.3147795 0.2754715 0.5795114
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## 0.2544038 0.4289491 0.4034777 0.3161618 0.2623771 0.2649702 0.2604772
## 47951 47952 47953 47954 47955 47956 47957
## 0.2642285 0.2803214 0.3377987 0.2562907 0.2584527 0.2680152 0.2578236
## 47958 47959 47960 47961 47962 47963 47964
## 0.3376492 0.2718478 0.2657640 0.3140354 0.2829409 0.2736071 0.2724113
## 47965 47966 47967 47968 47969 47970 47971
## 0.2743915 0.2751072 0.3234565 0.2658789 0.2722964 0.2844907 0.2762177
## 47972 47973 47974 47975 47976 47977 47978
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## 0.2811999 0.2777618 0.2928178 0.2819711 0.2583207 0.2753674 0.2513399
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## 48014 48015 48016 48017 48018 48019 48020
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## 48105 48106 48107 48108 48109 48110 48111

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## 0.2765761 0.2596870 0.3818257 0.3169676 0.3078045 0.2658683 0.3274553
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## 48196 48197 48198 48199 48200 48201 48202
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## 48217 48218 48219 48220 48221 48222 48223
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## 48224 48225 48226 48227 48228 48229 48230
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## 0.2648141 0.2993370 0.2842812 0.4045602 0.3043954 0.3976725 0.6545122
## 48245 48246 48247 48248 48249 48250 48251
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## 48252 48253 48254 48255 48256 48257 48258
## 0.6562629 0.3655119 0.3548985 0.3155438 0.2993377 0.2858823 0.7697943
## 48259 48260 48261 48262 48263 48264 48265
## 0.3481142 0.2912626 1.0893830 0.3857559 0.2847262 0.7011191 0.3817067
## 48266 48267 48268 48269 48270 48271 48272
## 0.3922290 0.4671802 0.3893234 2.1325958 0.3369345 0.6381957 0.5473190
## 48273 48274 48275 48276 48277 48278 48279
## 0.4124935 0.2768829 0.2595268 0.8220569 0.7107800 0.3424489 0.3419214
## 48280 48281 48282 48283 48284 48285 48286

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## 0.2876407 0.2647690 0.7030542 0.3422580 0.3004586 0.5378929 0.3821416
## 48287     48288     48289     48290     48291     48292     48293
## 0.2961354 0.6432419 0.4849474 0.3414353 0.4145799 0.2814217 0.2610165
## 48294     48295     48296     48297     48298     48299     48300
## 0.3493345 0.2798442 0.2598141 0.4173915 0.3201094 0.3331674 0.4233422
## 48301     48302     48303     48304     48305     48306     48307
## 0.3095669 0.2876680 0.3279640 0.2914551 0.2865026 0.5209855 0.2998015
## 48308     48309     48310     48311     48312     48313     48314
## 0.4119894 0.2814944 0.3067227 0.2781555 1.4637187 0.5062735 0.7773122
## 48315     48316     48317     48318     48319     48320     48321
## 0.3237569 0.2803195 0.2392309 0.2390357 0.2390357 0.2382550 0.2382550
## 48322     48323     48324     48325     48326     48327     48328
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2390357
## 48329     48330     48331     48332     48333     48334     48335
## 0.2403630 0.2398165 0.2398165 0.2382550 0.2382550 0.2382550 0.2454380
## 48336     48337     48338     48339     48340     48341     48342
## 0.2429396 0.2429396 0.2393274 0.2385025 0.2577754 0.2382550 0.2382550
## 48343     48344     48345     48346     48347     48348     48349
## 0.2382550 0.2398607 0.2382550 0.2392309 0.2382550 0.2382550 0.2382550
## 48350     48351     48352     48353     48354     48355     48356
## 0.2402719 0.2433950 0.2407404 0.2881958 0.3407752 0.3689925 0.3070032
## 48357     48358     48359     48360     48361     48362     48363
## 0.3210643 0.3392080 0.2825313 0.2945105 0.2871257 0.2809549 0.3164797
## 48364     48365     48366     48367     48368     48369     48370
## 0.2511897 0.2571702 0.2561996 0.2707377 0.3619736 0.3228580 0.2727190
## 48371     48372     48373     48374     48375     48376     48377
## 0.2653474 0.2691863 0.2627318 0.3029961 0.3115065 0.2652612 0.2612330
## 48378     48379     48380     48381     48382     48383     48384
## 0.2694870 0.2632126 0.2844610 0.2649656 0.2650798 0.3998529 0.2828997
## 48385     48386     48387     48388     48389     48390     48391
## 0.2751592 0.2679547 0.3286674 0.2533051 0.3725112 0.2927054 0.2890341
## 48392     48393     48394     48395     48396     48397     48398
## 0.2386453 0.2382550 0.2382550 0.3082662 0.6251321 0.2915803 0.3064870
## 48399     48400     48401     48402     48403     48404     48405
## 0.2755254 0.2943845 0.5065556 0.3767150 0.4580156 0.3312311 0.4224071
## 48406     48407     48408     48409     48410     48411     48412
## 0.3162045 0.4744751 0.3344563 0.3405194 0.3102327 0.4480826 0.2771988
## 48413     48414     48415     48416     48417     48418     48419
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## 48420     48421     48422     48423     48424     48425     48426
## 0.3920483 0.4285435 0.4022429 0.2942908 0.2783825 0.7678799 0.4340871
## 48427     48428     48429     48430     48431     48432     48433
## 0.3932342 0.3777682 0.3204135 0.3188532 0.6549505 0.4256396 0.4098503
## 48434     48435     48436     48437     48438     48439     48440
## 0.3728438 0.4104240 0.3504589 0.4626133 0.3648582 0.3195800 0.3907293
## 48441     48442     48443     48444     48445     48446     48447

## 0.3664554 0.3616222 0.8953003 0.5568468 0.5375362 0.4927738 0.4227626
## 48448     48449     48450     48451     48452     48453     48454
## 0.3505807 0.3989575 0.3232338 0.3134448 0.5996856 0.5271430 0.4878501
## 48455     48456     48457     48458     48459     48460     48461

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## 0.7408095 0.5330710 0.4230255 1.8760193 0.9983660 1.0466157 1.5724307
## 48462 48463 48464 48465 48466 48467 48468
## 1.2561955 0.6231279 2.3365956 0.7262192 0.4513355 0.2460626 0.2382550
## 48469 48470 48471 48472 48473 48474 48475
## 0.2386453 0.4481720 0.3230612 0.3106535 0.4198215 0.2949172 0.2993600
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## 48532 48533 48534 48535 48536 48537 48538
## 0.2716945 0.2481447 0.2502540 0.2516900 0.2564542 0.2588688 0.2841920
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## 0.2575802 0.2444107 0.2559272 0.2523113 0.3057495 0.5795084 0.2488742
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## 48623 48624 48625 48626 48627 48628 48629
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## 48630 48631 48632 48633 48634 48635 48636

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## 0.3106869 0.2639664 0.2692673 0.3754973 0.2756420 0.3052199 0.2828321
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## 0.2989426 0.2577806 0.2544100 0.3342157 0.3503080 0.2673697 0.2783773
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## 0.3533450 0.4081223 0.4517269 0.3593681 0.2992455 0.2729985 0.2548456
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## 0.2421949 0.2382550 0.2382550 0.2398165 0.2390357 0.2390357 0.2405973
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## 0.3319650 0.2532613 0.2541203 0.3904404 0.3142029 0.3142029 0.4154560
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## 48728 48729 48730 48731 48732 48733 48734
## 0.3204683 0.3071020 1.3374309 1.1245082 0.7295517 0.5352271 0.9782960
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## 48777 48778 48779 48780 48781 48782 48783
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## 0.4873537 0.3532768 0.5574656 0.3635899 0.4150279 0.8453620 0.3955412
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## 48805 48806 48807 48808 48809 48810 48811

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## 0.4790390 0.3605971 0.3870747 0.3699283 0.9249185 0.3464494 0.3344053
## 48812     48813     48814     48815     48816     48817     48818
## 0.5147524 0.3337816 0.9974444 0.2988714 0.3899807 0.4077427 0.6398870
## 48819     48820     48821     48822     48823     48824     48825
## 0.3545348 2.3819626 0.3287074 1.3914008 0.8494156 0.3662976 0.3097709
## 48826     48827     48828     48829     48830     48831     48832
## 0.2928373 0.4728699 0.3772535 0.3556439 0.5755715 0.4437724 0.7085288
## 48833     48834     48835     48836     48837     48838     48839
## 0.4118513 1.4113498 0.2984345 1.0896809 0.2756774 0.7714651 0.9699079
## 48840     48841     48842     48843     48844     48845     48846
## 1.0168881 0.5735518 0.6635864 0.3649527 0.4705794 0.3506561 0.3471194
## 48847     48848     48849     48850     48851     48852     48853
## 0.3429885 0.5646098 1.6970700 1.1117020 0.4774114 0.7243461 0.6293602
## 48854     48855     48856     48857     48858     48859     48860
## 0.6227026 0.3608978 0.3173794 1.4383111 0.8850268 0.5875293 0.9507651
## 48861     48862     48863     48864     48865     48866     48867
## 0.5659688 0.6448057 0.8662956 0.3500440 0.3192497 0.4933577 0.3433250
## 48868     48869     48870     48871     48872     48873     48874
## 0.3312643 0.4907953 0.3934635 0.3435128 1.2362548 1.7247844 0.9538120
## 48875     48876     48877     48878     48879     48880     48881
## 1.0232125 1.1016922 0.7961705 0.6539649 0.4220121 0.5041069 0.8448693
## 48882     48883     48884     48885     48886     48887     48888
## 0.6318680 0.7249539 1.5460195 0.5790903 0.4099989 1.3201835 0.5413917
## 48889     48890     48891     48892     48893     48894     48895
## 0.5867247 1.3154307 0.7166568 0.4884821 0.9943984 0.5154932 1.1751824
## 48896     48897     48898     48899     48900     48901     48902
## 0.3498059 0.7007818 1.0418600 1.3524298 0.5151732 0.8806977 0.3277018
## 48903     48904     48905     48906     48907     48908     48909
## 1.7116204 0.6194854 0.5903970 1.0554831 0.3518255 0.3593243 0.4145524
## 48910     48911     48912     48913     48914     48915     48916
## 0.4961007 1.2893296 0.6701059 0.3806708 0.6903730 0.3442735 0.3051273
## 48917     48918     48919     48920     48921     48922     48923
## 1.0745446 0.4567765 0.9880603 1.0774623 0.7804096 0.3554070 0.4719097
## 48924     48925     48926     48927     48928     48929     48930
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## 48931     48932     48933     48934     48935     48936     48937
## 0.3598664 1.1705286 0.8358479 0.3420289 0.8376109 0.8376109 0.8376109
## 48938     48939     48940     48941     48942     48943     48944
## 0.8376109 0.8376109 0.8376109 1.0683704 0.3694792 0.3694792 0.3694792
## 48945     48946     48947     48948     48949     48950     48951
## 0.3694792 0.3694792 0.3694792 0.4440772 0.3496384 0.3496384 0.3496384
## 48952     48953     48954     48955     48956     48957     48958
## 0.3496384 0.3496384 0.3496384 0.3496384 1.0104568 0.6003396 0.8904941
## 48959     48960     48961     48962     48963     48964     48965
## 0.3708822 0.4206672 0.7608944 0.6067829 0.3629154 0.5283378 0.3311235
## 48966     48967     48968     48969     48970     48971     48972

## 0.3735145 0.3617743 1.0584663 1.7722199 0.4319971 1.1997845 0.3954923
## 48973     48974     48975     48976     48977     48978     48979
## 1.0675272 0.8158306 1.4682697 0.3189743 0.6794814 0.3933186 0.2830297
## 48980     48981     48982     48983     48984     48985     48986

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## 0.3579096 0.3804173 1.3059265 0.4386720 0.5770443 1.1286032 0.3926629
## 48987 48988 48989 48990 48991 48992 48993
## 0.4558190 0.4080150 0.5748291 1.1286312 0.6297028 0.7249243 0.3552199
## 48994 48995 48996 48997 48998 48999 49000
## 0.9512572 0.3390288 1.1046062 0.6463465 0.5684793 0.3677745 0.4939522
## 49001 49002 49003 49004 49005 49006 49007
## 0.3602008 0.3552203 0.3114341 1.0075946 0.3187908 0.3047281 0.8468844
## 49008 49009 49010 49011 49012 49013 49014
## 0.3570473 0.3336605 0.5258801 0.3550944 0.3516953 0.7338785 0.4706104
## 49015 49016 49017 49018 49019 49020 49021
## 0.6829717 0.8512635 1.4828238 0.3322293 0.4950098 0.3049451 1.0565657
## 49022 49023 49024 49025 49026 49027 49028
## 1.1137470 0.3518515 0.3779332 0.4677709 0.3598786 1.3236856 0.4297358
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## 0.4640608 0.4099087 0.7954215 0.5373973 0.4953002 0.5140706 0.3947488
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## 0.5662904 0.4608172 0.5343046 0.5572816 0.4923938 0.7366627 0.4971992
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## 0.4185865 0.6542730 0.4634688 0.9076425 0.4316222 0.5804274 0.4665344
## 49071 49072 49073 49074 49075 49076 49077
## 0.5065890 0.4177006 0.4063139 0.2421067 0.2441758 0.2382550 0.2382550
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## 0.2382550 0.2382550 0.2387755 0.2382550 0.2382550 0.2382550 0.2382550
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## 0.2382550 0.2386453 0.2382550 0.2382550 0.2468434 0.2382550 0.2382550
## 49092 49093 49094 49095 49096 49097 49098
## 0.2382550 0.2382550 0.2382550 1.1598018 0.4549405 0.3933377 0.2382550
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## 0.6029765 0.4150179 0.3900653 0.2520976 0.3146441 0.2555274 0.2633978
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## 49120 49121 49122 49123 49124 49125 49126
## 0.2694569 0.4021920 0.2943753 0.3057607 0.4350142 0.3192813 0.2978458
## 49127 49128 49129 49130 49131 49132 49133
## 1.9533313 1.0187963 0.4511785 2.6361933 1.5143216 0.6869177 0.3900474
## 49134 49135 49136 49137 49138 49139 49140
## 0.3250187 0.3757050 0.4751999 0.2569752 0.2533659 0.5167715 0.5533777
## 49141 49142 49143 49144 49145 49146 49147
## 0.2409244 0.3346173 0.2394521 0.4977684 0.2552935 0.2487628 0.2523413
## 49148 49149 49150 49151 49152 49153 49154
## 0.2780253 0.2980514 0.2442671 0.2504531 0.2423930 0.2482127 0.4486631
## 49155 49156 49157 49158 49159 49160 49161

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## 0.2489673 0.2430892 0.6180996 0.4484507 0.6602806 0.2497452 0.2989519
## 49162 49163 49164 49165 49166 49167 49168
## 0.2435863 0.2514460 0.2395393 0.2399726 0.2609604 0.2429656 0.2399726
## 49169 49170 49171 49172 49173 49174 49175
## 0.2568103 0.2395042 0.2399726 0.2570802 0.3026188 0.2396994 0.2581169
## 49176 49177 49178 49179 49180 49181 49182
## 0.2386714 0.2631784 0.2542237 0.2404294 0.2397124 0.2669806 0.9844860
## 49183 49184 49185 49186 49187 49188 49189
## 0.2431478 0.4402574 0.2455551 0.3606755 0.4746950 0.6374381 0.4814099
## 49190 49191 49192 49193 49194 49195 49196
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## 49197 49198 49199 49200 49201 49202 49203
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## 49204 49205 49206 49207 49208 49209 49210
## 0.5810737 0.3535650 0.4560605 0.3527384 0.3814030 0.2715340 0.3631135
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## 0.5654898 0.3263107 0.3024611 0.4470856 0.3461589 0.3492504 0.4742110
## 49218 49219 49220 49221 49222 49223 49224
## 0.3206991 0.2827986 0.3398604 0.3057859 0.2997794 0.3080581 0.2942498
## 49225 49226 49227 49228 49229 49230 49231
## 0.2911236 0.3267115 0.3008145 0.2741609 0.3573208 0.3410375 0.2906397
## 49232 49233 49234 49235 49236 49237 49238
## 0.3555190 0.3163230 0.3216086 0.4692043 0.3989371 0.3685073 1.7226149
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## 0.5609246 1.8970600 0.3720666 0.5053701 0.4218442 0.4933620 0.3794264
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## 0.3127962 0.3024949 0.2867759 0.2681559 0.2390357 0.2409356 0.2382550
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## 0.2404397 0.2389981 0.2924935 0.2388928 0.2385152 0.2382550 0.2940165
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## 0.2399839 0.2386453 0.2382550 0.2382550 0.2382550 0.3128434 0.3115963
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## 0.2887792 0.2750108 0.2915972 0.2800084 0.2920587 0.2772434 0.2967336
## 49274 49275 49276 49277 49278 49279 49280
## 0.3037696 0.2914798 0.2762491 0.2826038 0.2917490 0.2750694 0.3008667
## 49281 49282 49283 49284 49285 49286 49287
## 0.2692689 0.2687617 0.3373316 0.2914569 0.2759551 0.3030308 0.2953102
## 49288 49289 49290 49291 49292 49293 49294
## 0.2865986 0.2941209 0.2813079 0.2866435 0.2747016 0.2961240 0.2685149
## 49295 49296 49297 49298 49299 49300 49301
## 0.2797572 0.2816148 0.2894153 0.2796448 0.2829712 0.3062542 0.2779062
## 49302 49303 49304 49305 49306 49307 49308
## 0.2880339 0.2779483 0.2804482 0.2944076 0.2808692 0.2865359 0.2832773
## 49309 49310 49311 49312 49313 49314 49315
## 0.2683022 0.3174182 0.4471432 0.4792781 0.3530298 0.5036482 0.3340581
## 49316 49317 49318 49319 49320 49321 49322
## 0.3188351 0.2764423 0.3007936 0.2696701 0.2774408 0.2754522 0.2691483
## 49323 49324 49325 49326 49327 49328 49329
## 0.3320410 0.2654896 0.2604899 0.3015704 0.2841749 0.2746842 0.2926745
## 49330 49331 49332 49333 49334 49335 49336

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## 0.3068206 0.2854017 0.2978003 0.2639125 0.2692384 0.2382550 0.2382550
## 49337    49338    49339    49340    49341    49342    49343
## 0.2382550 0.3428792 0.2767812 0.2838955 0.3121473 0.3764530 0.3425394
## 49344    49345    49346    49347    49348    49349    49350
## 0.4041840 0.3209596 0.2925691 0.2959287 0.3134684 0.2846120 0.2646923
## 49351    49352    49353    49354    49355    49356    49357
## 0.2694800 0.2962052 0.2753742 0.2794044 0.2711039 0.2861230 0.2774933
## 49358    49359    49360    49361    49362    49363    49364
## 0.3338331 0.3241912 0.2809092 0.2390357 0.2385673 0.2382550 0.8730195
## 49365    49366    49367    49368    49369    49370    49371
## 0.2643480 0.2531703 0.8060535 0.2692628 0.9500065 0.2556134 0.2969654
## 49372    49373    49374    49375    49376    49377    49378
## 0.2578056 0.2842968 0.2888555 0.4658364 1.0528675 0.3058407 0.2602152
## 49379    49380    49381    49382    49383    49384    49385
## 0.7427480 0.8514533 0.2754067 0.2532666 0.2763840 0.4086895 0.2497062
## 49386    49387    49388    49389    49390    49391    49392
## 0.2604518 0.2859828 0.2546851 0.2488289 0.4239573 0.2681486 0.2679114
## 49393    49394    49395    49396    49397    49398    49399
## 0.3168073 0.2818971 0.3892184 0.2643702 0.3584099 0.3530514 0.3606481
## 49400    49401    49402    49403    49404    49405    49406
## 0.3172219 0.2994204 0.2909454 0.2945320 0.3931197 0.2791794 0.2885446
## 49407    49408    49409    49410    49411    49412    49413
## 0.4283443 0.3224083 0.2745729 0.3209055 0.3069233 0.3160563 0.3017061
## 49414    49415    49416    49417    49418    49419    49420
## 0.2787718 0.3532394 0.2983312 0.2784702 0.3799848 0.4889823 0.3415352
## 49421    49422    49423    49424    49425    49426    49427
## 0.3831033 0.3809170 0.4733011 0.3709701 0.3151810 0.3318589 0.2993208
## 49428    49429    49430    49431    49432    49433    49434
## 0.3920767 0.2703636 0.4237342 0.3764378 0.4330303 0.4221851 0.3554640
## 49435    49436    49437    49438    49439    49440    49441
## 0.3777005 0.5962510 0.3035256 0.3403492 0.2708302 0.3277354 0.3025218
## 49442    49443    49444    49445    49446    49447    49448
## 0.3287675 0.2887741 0.4278082 0.3338930 0.3116910 0.2984937 0.2861809
## 49449    49450    49451    49452    49453    49454    49455
## 0.3602762 0.4944888 0.3330700 0.3015865 0.4320778 0.3633890 0.2801492
## 49456    49457    49458    49459    49460    49461    49462
## 0.3534892 0.3313961 0.4904494 0.3542986 0.3296323 1.1883908 0.4873188
## 49463    49464    49465    49466    49467    49468    49469
## 0.3016457 0.5457862 0.3887990 0.3881897 0.4733066 0.3136026 0.5219623
## 49470    49471    49472    49473    49474    49475    49476
## 0.3303958 0.4108772 0.3111674 0.5573204 0.3496934 0.5540585 0.3905426
## 49477    49478    49479    49480    49481    49482    49483
## 0.3814609 0.3233976 0.4048030 0.6388551 0.7181290 0.5675576 0.4466108
## 49484    49485    49486    49487    49488    49489    49490
## 0.3625527 0.3389317 0.6708771 0.3227980 0.4914699 0.3072264 0.4095389
## 49491    49492    49493    49494    49495    49496    49497

## 0.3155999 0.7864283 0.3867867 0.4072318 0.4019636 0.3552235 0.4615389
## 49498    49499    49500    49501    49502    49503    49504
## 0.2879576 0.5777668 0.8392137 0.3694571 0.5369327 0.7861677 0.4124479
## 49505    49506    49507    49508    49509    49510    49511

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## 0.5680468 0.4619087 0.4292169 0.3776378 0.8361110 0.3831326 0.2988024
## 49512 49513 49514 49515 49516 49517 49518
## 0.3995352 0.3460225 0.2876026 0.4090555 0.3331946 0.4431444 0.3285856
## 49519 49520 49521 49522 49523 49524 49525
## 0.3362204 0.4399980 0.3192661 0.3893516 0.5677048 0.4579485 0.4210977
## 49526 49527 49528 49529 49530 49531 49532
## 0.4481825 0.2705465 0.3943884 0.2605875 0.3595336 0.3209793 0.4077080
## 49533 49534 49535 49536 49537 49538 49539
## 0.3095571 0.3638272 0.3207515 0.7286919 0.3842973 0.3172691 0.2974159
## 49540 49541 49542 49543 49544 49545 49546
## 0.3610324 0.2760864 0.2922236 0.5360651 0.3115722 0.2760339 0.2769435
## 49547 49548 49549 49550 49551 49552 49553
## 0.4315883 0.3516757 0.4217453 0.4115475 0.3364038 0.3357364 0.2880684
## 49554 49555 49556 49557 49558 49559 49560
## 0.2822045 0.4423659 0.3443672 1.1473241 0.3219573 0.4190135 0.5544729
## 49561 49562 49563 49564 49565 49566 49567
## 0.3295279 0.4422886 0.4188540 0.3573874 0.2908099 0.3390268 0.2969341
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## 0.3375966 0.2697639 0.5049720 0.3413876 0.3264755 0.4452755 0.3174988
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## 49582 49583 49584 49585 49586 49587 49588
## 0.5448164 0.3545064 0.3352133 1.2766713 0.5766702 0.4940283 0.4862326
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## 0.3373698 0.8339683 0.3242239 0.3577796 0.3254003 0.4184589 0.3838572
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## 49603 49604 49605 49606 49607 49608 49609
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## 0.4227242 0.3631001 0.4164942 0.2886014 0.3568862 0.8304471 0.2693316
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## 0.3235243 0.3004454 0.5108874 0.5459203 0.3252178 0.3277330 0.5798672
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## 49666 49667 49668 49669 49670 49671 49672
## 0.4802138 0.3113932 0.3142182 0.2861293 0.3625127 0.2761269 0.2809614
## 49673 49674 49675 49676 49677 49678 49679
## 0.2940829 0.7218135 0.4945799 0.2778483 0.3958924 0.3875374 0.3783778
## 49680 49681 49682 49683 49684 49685 49686

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## 0.3759245 0.5407945 0.3466599 0.3580414 0.4542030 0.3822169 0.3077160
## 49687 49688 49689 49690 49691 49692 49693
## 0.3352317 0.2810787 0.3772996 0.3278281 0.2771043 0.3956331 0.2712503
## 49694 49695 49696 49697 49698 49699 49700
## 0.4904491 0.3174024 0.5811591 0.3520637 0.3202941 0.3806698 0.5721170
## 49701 49702 49703 49704 49705 49706 49707
## 0.3984229 0.3412685 0.3077498 0.4874213 0.5408643 0.2793004 0.3257281
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## 0.3338599 0.4749120 0.4928585 0.5356422 0.9151824 0.9349447 0.3704302
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## 0.4103120 0.3331129 0.3512635 0.5333910 0.5953732 0.4782042 0.5978588
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## 49757 49758 49759 49760 49761 49762 49763
## 0.3378667 0.3453293 0.4198482 0.3975252 0.4154088 0.3349496 0.3405079
## 49764 49765 49766 49767 49768 49769 49770
## 0.4604736 0.3311987 0.3082617 0.3036102 0.4653817 0.3081895 0.2941303
## 49771 49772 49773 49774 49775 49776 49777
## 0.5544212 0.5364452 0.4533209 0.5254115 0.4392208 0.3336902 0.5420248
## 49778 49779 49780 49781 49782 49783 49784
## 0.3002675 0.6292834 0.2895079 0.3673868 0.3036873 0.4864558 0.5240549
## 49785 49786 49787 49788 49789 49790 49791
## 0.4264534 0.5605643 0.5433717 0.4569485 0.3500625 0.4416777 0.5597519
## 49792 49793 49794 49795 49796 49797 49798
## 0.4002010 0.4624796 0.3495188 0.4245613 0.3504411 0.3907973 0.5364812
## 49799 49800 49801 49802 49803 49804 49805
## 0.4203299 0.2967186 0.4751223 0.3301148 0.3352789 0.5201389 0.4470903
## 49806 49807 49808 49809 49810 49811 49812
## 0.3725054 0.5767454 0.4066166 0.4434728 0.3258989 0.3343952 0.2828143
## 49813 49814 49815 49816 49817 49818 49819
## 0.3234787 0.3120143 0.3328550 1.0982959 0.4303405 0.3128865 0.3032664
## 49820 49821 49822 49823 49824 49825 49826
## 0.4465711 0.3374527 0.2884504 0.2602422 0.2518574 0.2957174 0.2592511
## 49827 49828 49829 49830 49831 49832 49833
## 0.2585672 0.2902093 0.2666911 0.2678273 0.2860924 0.2541315 0.2485215
## 49834 49835 49836 49837 49838 49839 49840
## 0.3820733 0.2980777 0.3312392 0.2982152 0.3442226 0.2847054 0.2898496
## 49841 49842 49843 49844 49845 49846 49847
## 0.6947822 0.3125285 0.2932576 0.2555075 0.3539013 0.2542970 0.2975535
## 49848 49849 49850 49851 49852 49853 49854
## 0.2657726 0.3500864 0.3219827 0.2527063 0.2780527 0.2504300 0.2723489
## 49855 49856 49857 49858 49859 49860 49861

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## 0.3667930 0.3055242 0.3427010 0.2650641 0.3853162 0.2584003 0.3473155
## 49862     49863     49864     49865     49866     49867     49868
## 0.3181479 0.3012733 0.3269675 0.2787358 0.2641810 0.3265868 0.3482122
## 49869     49870     49871     49872     49873     49874     49875
## 0.2720856 0.2889755 0.2612499 0.2599854 0.3431505 0.3205126 0.3052189
## 49876     49877     49878     49879     49880     49881     49882
## 0.2921784 0.2598001 0.2505951 1.1364730 0.6257301 0.5915820 1.1488181
## 49883     49884     49885     49886     49887     49888     49889
## 0.7075212 0.5683186 1.0702626 0.9622237 0.7410737 0.4105903 0.3286620
## 49890     49891     49892     49893     49894     49895     49896
## 0.2805563 0.3934607 0.3286718 0.3224140 0.4206029 0.3562158 0.2770136
## 49897     49898     49899     49900     49901     49902     49903
## 0.3968347 0.3226063 0.2922335 0.2905167 0.4006866 0.3314919 0.2825863
## 49904     49905     49906     49907     49908     49909     49910
## 0.4213960 0.3691754 0.3473294 0.3834946 0.3613420 0.2772088 0.4134809
## 49911     49912     49913     49914     49915     49916     49917
## 0.3715773 0.2732386 0.3967018 0.3195314 0.2875811 0.3142613 0.2529482
## 49918     49919     49920     49921     49922     49923     49924
## 0.2435790 0.3389227 0.2528845 0.2570355 0.4713375 0.2847735 0.2584561
## 49925     49926     49927     49928     49929     49930     49931
## 0.3773899 0.3136079 0.2960119 0.3730581 0.3121643 0.3189182 0.2386453
## 49932     49933     49934     49935     49936     49937     49938
## 0.2382550 0.2382550 0.2386453 0.2386453 0.2390357 0.2934658 0.2626279
## 49939     49940     49941     49942     49943     49944     49945
## 0.2530375 0.2899659 0.2527772 0.2449897 0.2671389 0.2447613 0.2424190
## 49946     49947     49948     49949     49950     49951     49952
## 0.2531587 0.2569673 0.2549373 0.2651255 0.2450346 0.2520166 0.2666557
## 49953     49954     49955     49956     49957     49958     49959
## 0.2836866 0.2486652 0.2482358 0.2490165 0.2536361 0.2482116 0.2405174
## 49960     49961     49962     49963     49964     49965     49966
## 0.2416886 0.2946997 0.2535059 0.2491798 0.2624250 0.2510741 0.2605176
## 49967     49968     49969     49970     49971     49972     49973
## 0.2745134 0.2789850 0.2589453 0.2473899 0.2615074 0.2500836 0.2465701
## 49974     49975     49976     49977     49978     49979     49980
## 0.2463382 0.2456722 0.2446465 0.2813921 0.2431087 0.2517232 0.2434991
## 49981     49982     49983     49984     49985     49986     49987
## 0.2516061 0.2638857 0.2468434 0.2456722 0.3182205 0.2570550 0.3355494
## 49988     49989     49990     49991     49992     49993     49994
## 0.2760726 0.2485871 0.2443449 0.3120572 0.2661077 0.3022518 0.2638512
## 49995     49996     49997     49998     49999     50000     50001
## 0.2464010 0.2814328 0.2747438 0.2514629 0.2450216 0.2431998 0.2862701
## 50002     50003     50004     50005     50006     50007     50008
## 0.2584847 0.2548299 0.2811334 0.2576221 0.2550284 0.2489775 0.2484570
## 50009     50010     50011     50012     50013     50014     50015
## 0.2523218 0.2605145 0.2494222 0.2460779 0.3341655 0.2496951 0.2526791
## 50016     50017     50018     50019     50020     50021     50022

## 0.3003799 0.2487039 0.2400898 0.2416903 0.2534684 0.2458935 0.2867624
## 50023     50024     50025     50026     50027     50028     50029
## 0.2440717 0.2581234 0.2616207 0.2536456 0.2740022 0.2440717 0.2455812
## 50030     50031     50032     50033     50034     50035     50036

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## 0.2452168 0.2459585 0.2659071 0.3554656 0.2432909 0.2901369 0.2497843
## 50037 50038 50039 50040 50041 50042 50043
## 0.2920669 0.2938512 0.2752558 0.2413780 0.2506041 0.2445662 0.2472539
## 50044 50045 50046 50047 50048 50049 50050
## 0.2904753 0.2721067 0.2740998 0.2576570 0.2439546 0.2517102 0.2420026
## 50051 50052 50053 50054 50055 50056 50057
## 0.3134509 0.2552821 0.2517793 0.2573317 0.2433950 0.2532847 0.2597553
## 50058 50059 50060 50061 50062 50063 50064
## 0.2416643 0.2471427 0.3650624 0.3321800 0.3134514 0.3073061 0.2840339
## 50065 50066 50067 50068 50069 50070 50071
## 0.2615218 0.3091553 0.3015993 0.2991955 0.2868811 0.3069799 0.2619589
## 50072 50073 50074 50075 50076 50077 50078
## 0.2616373 0.3336189 0.2708479 0.3653988 0.2551195 0.2734486 0.2774221
## 50079 50080 50081 50082 50083 50084 50085
## 0.2520699 1.1160249 0.2781347 0.3373146 0.3074839 0.2988362 0.2405973
## 50086 50087 50088 50089 50090 50091 50092
## 0.2382550 0.2382550 0.2563318 0.2433690 0.2431959 0.3674179 0.2633611
## 50093 50094 50095 50096 50097 50098 50099
## 0.2491193 0.5298822 0.2451140 0.2417905 0.2536626 0.2450749 0.2431959
## 50100 50101 50102 50103 50104 50105 50106
## 0.2587764 0.2434483 0.2416344 0.2469467 0.2482005 0.2458661 0.2384501
## 50107 50108 50109 50110 50111 50112 50113
## 0.2467393 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 50114 50115 50116 50117 50118 50119 50120
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2524420 0.2382550
## 50121 50122 50123 50124 50125 50126 50127
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## 50128 50129 50130 50131 50132 50133 50134
## 0.7697101 0.9185770 0.3499836 0.2782353 0.2874700 0.2814869 0.3886897
## 50135 50136 50137 50138 50139 50140 50141
## 0.2620511 0.3812391 0.3111354 0.2588462 0.2963183 0.2583032 0.3220070
## 50142 50143 50144 50145 50146 50147 50148
## 0.3519533 0.3015832 0.2661384 0.4754887 0.2996573 0.4311056 0.2667110
## 50149 50150 50151 50152 50153 50154 50155
## 0.3465585 0.2687328 0.2616000 0.3692305 0.3522338 0.2544949 0.2635809
## 50156 50157 50158 50159 50160 50161 50162
## 0.2578522 0.2452168 0.3045935 0.2805330 0.2430957 0.3032243 0.2827377
## 50163 50164 50165 50166 50167 50168 50169
## 0.2783102 0.2799173 0.2568203 0.2943067 0.2486522 0.2535580 0.2828263
## 50170 50171 50172 50173 50174 50175 50176
## 0.2505651 0.2427314 0.3354547 0.2555880 0.2505130 0.3173819 0.3563048
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## 0.3379598 0.2849279 0.3261964 0.2659098 0.2554508 0.3281154 0.2510063
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## 50191 50192 50193 50194 50195 50196 50197
## 0.2668039 0.2610173 0.3008930 0.3441124 0.2461667 0.3150685 0.3054153
## 50198 50199 50200 50201 50202 50203 50204
## 0.2477543 0.2583079 0.2747960 0.2647018 0.2716040 0.2495240 0.2567290
## 50205 50206 50207 50208 50209 50210 50211

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## 0.2581873 0.2688150 0.2723263 0.2524909 0.2416773 0.2559165 0.2728236
## 50212 50213 50214 50215 50216 50217 50218
## 0.2672018 0.2650157 0.2939575 0.2713581 0.2757135 0.2871681 0.2689655
## 50219 50220 50221 50222 50223 50224 50225
## 0.2629098 0.2632899 0.2645356 0.2707187 0.2531138 0.2589071 0.2660965
## 50226 50227 50228 50229 50230 50231 50232
## 0.2753190 0.2753802 0.2649626 0.3005703 0.3259923 0.2556229 0.2934348
## 50233 50234 50235 50236 50237 50238 50239
## 0.2847385 0.2602466 0.2652228 0.2898642 0.2616300 0.3781031 0.2597712
## 50240 50241 50242 50243 50244 50245 50246
## 0.3084101 0.3057088 0.2552948 0.3076637 0.2625339 0.2460366 0.2834897
## 50247 50248 50249 50250 50251 50252 50253
## 0.4348659 0.2861901 0.2575242 0.2595959 0.2418855 0.2426273 0.3224709
## 50254 50255 50256 50257 50258 50259 50260
## 0.2475461 0.2436364 0.3263054 0.4502508 0.2705819 0.3001675 0.3653040
## 50261 50262 50263 50264 50265 50266 50267
## 0.2496748 0.3038394 0.2955650 0.2465311 0.2674901 0.2870382 0.2533078
## 50268 50269 50270 50271 50272 50273 50274
## 0.3542114 0.3312375 0.2470386 0.2983901 0.2607122 0.3008399 0.2681874
## 50275 50276 50277 50278 50279 50280 50281
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## 50282 50283 50284 50285 50286 50287 50288
## 0.2737941 0.2835099 0.2704971 0.3490833 0.2782763 0.2769823 0.2991736
## 50289 50290 50291 50292 50293 50294 50295
## 0.2749900 0.2638251 0.2674773 0.2777100 0.2591925 0.2808823 0.2801330
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## 50303 50304 50305 50306 50307 50308 50309
## 0.3012811 0.3692969 0.2689026 0.3152288 0.2627287 0.3367658 0.3168554
## 50310 50311 50312 50313 50314 50315 50316
## 0.2748608 0.2732206 0.2734177 0.3012000 0.2819232 0.2540829 0.2679130
## 50317 50318 50319 50320 50321 50322 50323
## 0.2425101 0.2429522 0.2670207 0.2438765 0.3597539 0.3052600 0.3090380
## 50324 50325 50326 50327 50328 50329 50330
## 0.3314216 0.2969771 0.2816613 0.4223235 0.2746879 0.2964822 0.2856876
## 50331 50332 50333 50334 50335 50336 50337
## 0.3164022 0.3018199 0.2551109 0.2506431 0.2477153 0.3049682 0.2926337
## 50338 50339 50340 50341 50342 50343 50344
## 0.2605950 0.2419115 0.2469605 0.2867079 0.3015103 0.3916213 0.2535941
## 50345 50346 50347 50348 50349 50350 50351
## 0.2683235 0.3409901 0.2545141 0.2663335 0.2839876 0.2877150 0.2900691
## 50352 50353 50354 50355 50356 50357 50358
## 0.2479306 0.2593429 0.2468967 0.2620223 0.3101476 0.2922642 0.2826663
## 50359 50360 50361 50362 50363 50364 50365
## 0.2783727 0.2787468 0.2740216 0.2666219 0.3177200 0.2993531 0.3197870
## 50366 50367 50368 50369 50370 50371 50372
## 0.4031325 0.3634491 0.2699446 0.2753031 0.2699579 0.2725280 0.2498248
## 50373 50374 50375 50376 50377 50378 50379
## 0.2382550 0.2382550 0.2415732 0.2382550 0.2425882 0.2407925 0.2384111
## 50380 50381 50382 50383 50384 50385 50386

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## 0.2382550 0.2382550 0.2382550 0.2382550 0.2407925 0.2390357 0.2390357
## 50387      50388      50389      50390      50391      50392      50393
## 0.2412089 0.3945531 0.4623721 0.4427202 0.4591113 0.3887668 0.3761230
## 50394      50395      50396      50397      50398      50399      50400
## 0.5064336 0.3207075 0.3105131 0.2916621 0.5368132 0.3632781 0.2955585
## 50401      50402      50403      50404      50405      50406      50407
## 0.3750008 0.3288093 0.3033505 0.3858020 0.3981254 0.4043100 0.3062955
## 50408      50409      50410      50411      50412      50413      50414
## 0.3101715 0.2960214 0.2568893 0.2958613 0.2560744 0.2569521 0.2907882
## 50415      50416      50417      50418      50419      50420      50421
## 0.2496411 0.2461928 0.2964282 0.2627795 0.2623488 0.2871407 0.2595665
## 50422      50423      50424      50425      50426      50427      50428
## 0.2733896 0.2382550 0.2382550 0.2382550 0.6990883 0.6871331 0.7101869
## 50429      50430      50431      50432      50433      50434      50435
## 0.4336132 0.2736302 0.2692264 0.5627468 0.3494434 0.2834050 0.3601077
## 50436      50437      50438      50439      50440      50441      50442
## 0.2622859 0.2635399 0.3314757 0.2844634 0.3067502 0.3663584 0.2701121
## 50443      50444      50445      50446      50447      50448      50449
## 0.2727722 0.2758963 0.2709351 0.2718168 0.3752354 0.4161277 0.2777771
## 50450      50451      50452      50453      50454      50455      50456
## 0.3379324 0.2893067 0.2649845 0.3419483 0.4138634 0.2948296 0.7413939
## 50457      50458      50459      50460      50461      50462      50463
## 0.2785228 0.3074648 0.2929620 0.2807804 0.2639553 0.2698012 0.2752512
## 50464      50465      50466      50467      50468      50469      50470
## 0.2633697 0.3350749 0.2759295 0.2729793 0.3638515 0.2760115 0.2675126
## 50471      50472      50473      50474      50475      50476      50477
## 0.3223548 0.2663198 0.2684641 0.4565982 0.5324860 0.3319027 0.5855975
## 50478      50479      50480      50481      50482      50483      50484
## 0.3782466 0.3088508 0.2443970 0.2384501 0.2392309 1.1918064 0.4481965
## 50485      50486      50487      50488      50489      50490      50491
## 1.2872579 0.4406099 0.5687782 0.8582929 1.1549506 0.8189108 0.6397839
## 50492      50493      50494      50495      50496      50497      50498
## 1.0545046 0.4569180 0.4367424 1.0831656 1.2933907 1.0404331 1.0173376
## 50499      50500      50501      50502      50503      50504      50505
## 0.7579765 0.5189308 0.9531782 0.6574696 0.4143941 1.0654912 0.8667843
## 50506      50507      50508      50509      50510      50511      50512
## 0.8083907 1.6016646 1.5420523 1.3080876 0.3248521 0.3327205 0.2904099
## 50513      50514      50515      50516      50517      50518      50519
## 0.4053844 0.2689742 0.2644545 0.6533657 0.3018254 0.3524258 0.2853134
## 50520      50521      50522      50523      50524      50525      50526
## 0.2525813 0.2569622 0.2552360 0.5071986 0.2812800 0.2839731 0.3014069
## 50527      50528      50529      50530      50531      50532      50533
## 0.2646279 0.2742870 0.2514873 0.2399076 0.2402719 0.2719841 0.4613953
## 50534      50535      50536      50537      50538      50539      50540
## 0.3896240 0.3549610 0.2396213 0.2382550 0.2382550 0.7945610 0.2600607
## 50541      50542      50543      50544      50545      50546      50547

## 0.2473379 0.7142420 0.4129952 0.3018412 0.8525236 0.4172135 0.3524383
## 50548      50549      50550      50551      50552      50553      50554
## 0.4565854 0.2481773 0.2398386 0.9281340 0.5693791 0.5305290 0.2788384
## 50555      50556      50557      50558      50559      50560      50561

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## 0.2812754 0.2688004 0.3076837 0.2828674 0.2738082 0.5038469 1.5907312
## 50562 50563 50564 50565 50566 50567 50568
## 0.7865415 0.4641827 0.5511827 0.3340513 0.3894495 0.3617376 0.3091203
## 50569 50570 50571 50572 50573 50574 50575
## 0.3180250 0.3313548 0.2920874 0.2918460 0.2904258 0.2851114 1.7781971
## 50576 50577 50578 50579 50580 50581 50582
## 1.3248483 0.7179323 1.5124900 0.8050234 0.4587485 1.2512180 1.5553427
## 50583 50584 50585 50586 50587 50588 50589
## 0.8830934 0.7158472 0.3878606 0.4561878 0.9764568 1.2999516 0.9418052
## 50590 50591 50592 50593 50594 50595 50596
## 1.5233621 1.2093439 0.6068271 1.6412385 1.1717081 0.7028927 1.6663414
## 50597 50598 50599 50600 50601 50602 50603
## 0.5217670 0.5070655 0.8014548 0.5125769 0.3677024 0.3560511 0.3554265
## 50604 50605 50606 50607 50608 50609 50610
## 0.2701769 0.2685112 0.2598438 0.2887313 0.3860230 0.3061905 0.4236883
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## 0.2783995 0.3319945 0.2839000 0.3139454 0.2941067 0.2802782 0.3184417
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## 0.3085236 0.4573157 0.3409038 0.2916456 0.2908895 0.2908895 0.3492082
## 50632 50633 50634 50635 50636 50637 50638
## 0.3492082 0.2697102 0.2791123 0.3748825 0.2838733 0.3107377 0.2770189
## 50639 50640 50641 50642 50643 50644 50645
## 0.3183114 0.2660520 0.2974663 0.2974663 0.2843118 0.2843118 0.2662753
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## 0.2662753 0.3027367 0.3048925 0.2997119 0.3293474 0.3245168 0.2844729
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## 50681 50682 50683 50684 50685 50686 50687
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## 0.2676663 0.8297809 0.2828604 0.2803871 0.2486743 0.2387234 0.2410540
## 50695 50696 50697 50698 50699 50700 50701
## 1.1738435 0.2668097 0.7737744 0.2653165 0.2580742 0.3869993 0.2810403
## 50702 50703 50704 50705 50706 50707 50708
## 0.2588420 0.2526999 0.3232128 0.7629355 0.2520928 0.2596296 0.3226919
## 50709 50710 50711 50712 50713 50714 50715
## 0.3505772 0.2621998 0.2878290 0.2461928 0.2770068 0.2618796 0.2640817
## 50716 50717 50718 50719 50720 50721 50722
## 0.3059221 0.2683111 0.2606228 0.5146439 0.3720283 0.3124832 0.2866411
## 50723 50724 50725 50726 50727 50728 50729
## 0.2592658 0.2503881 0.4047660 0.3042752 0.2661768 0.3329833 0.2579886
## 50730 50731 50732 50733 50734 50735 50736

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## 0.2495066 1.5746461 1.0278887 0.3778470 0.3449546 0.3367411 0.2796227
## 50737 50738 50739 50740 50741 50742 50743
## 1.0349235 0.3742327 0.3091195 0.2688569 0.2609787 0.2545957 0.2774739
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## 0.2526879 0.2538481 0.4713675 0.3049720 0.2925364 0.3309714 0.3413712
## 50751 50752 50753 50754 50755 50756 50757
## 0.5201375 0.2607672 0.3672391 0.3157025 0.2919206 0.2663219 0.2606053
## 50758 50759 50760 50761 50762 50763 50764
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## 0.3022159 0.2382550 0.2382550 0.2382550 0.2386453 0.2386453 0.2386453
## 50772 50773 50774 50775 50776 50777 50778
## 0.2421588 0.2413780 0.2382550 0.2417684 0.2382550 0.2382550 0.2969577
## 50779 50780 50781 50782 50783 50784 50785
## 0.3006153 0.3021487 0.3022447 0.2897771 0.2726898 0.2671799 0.3023911
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## 0.2740969 0.2895908 0.2816890 0.3170290 0.2690616 0.2770507 0.2838699
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## 50828 50829 50830 50831 50832 50833 50834
## 0.2541135 0.2417294 0.2384501 0.2396213 0.2577334 0.2420157 0.2414691
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## 0.2547433 0.2622766 0.2626800 0.2529349 0.2453992 0.2463622 0.3422180
## 50842 50843 50844 50845 50846 50847 50848
## 0.3405525 0.2985859 0.2551065 0.2592316 0.2517622 0.2455694 0.2386063
## 50849 50850 50851 50852 50853 50854 50855
## 0.2443449 0.2881787 0.2468954 0.2487302 0.2473004 0.2394131 0.2428094
## 50856 50857 50858 50859 50860 50861 50862
## 0.2635166 0.2639955 0.2512938 0.2430697 0.2403891 0.2422239 0.2777058
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## 0.2394912 0.2401288 0.2390357 0.2408317 0.2392442 0.2407667 0.2507168
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## 0.2397775 0.2407537 0.2407537 0.2421588 0.2408708 0.2408708 0.2416125
## 50891 50892 50893 50894 50895 50896 50897
## 0.2416125 0.2437310 0.2771010 0.2603741 0.2485090 0.2456202 0.2454771
## 50898 50899 50900 50901 50902 50903 50904
## 0.2552593 0.2469429 0.2593754 0.2547424 0.2560044 0.2608152 0.2784863
## 50905 50906 50907 50908 50909 50910 50911

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## 0.2764139 0.2786130 0.2506171 0.2531806 0.2500706 0.2420807 0.2427314
## 50912      50913      50914      50915      50916      50917      50918
## 0.2464530 0.2669936 0.2405582 0.2421588 0.2526341 0.2408445 0.2403370
## 50919      50920      50921      50922      50923      50924      50925
## 0.2427964 0.2393871 0.2407274 0.2687572 0.2581515 0.2656208 0.2622111
## 50926      50927      50928      50929      50930      50931      50932
## 0.2480145 0.2492638 0.2444721 0.2412739 0.2402329 0.2715366 0.2715366
## 50933      50934      50935      50936      50937      50938      50939
## 0.2756503 0.2814688 0.2795302 0.2466745 0.2382550 0.2382550 0.2423540
## 50940      50941      50942      50943      50944      50945      50946
## 0.2401288 0.2405192 0.2389576 0.2382550 0.2382550 0.2382550 0.2396545
## 50947      50948      50949      50950      50951      50952      50953
## 0.2382550 0.2382550 0.2473420 0.2382550 0.2382550 0.2391919 0.2382550
## 50954      50955      50956      50957      50958      50959      50960
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 50961      50962      50963      50964      50965      50966      50967
## 0.3041632 0.3264098 0.2773584 0.3321796 0.3446688 0.2964523 0.3471932
## 50968      50969      50970      50971      50972      50973      50974
## 0.3376024 0.3375165 0.3445395 0.3039893 0.2931678 0.3367005 0.3264001
## 50975      50976      50977      50978      50979      50980      50981
## 0.3091294 0.3633697 0.5007258 0.6173585 0.3521616 0.3120035 0.2910508
## 50982      50983      50984      50985      50986      50987      50988
## 0.3119879 0.3137324 0.2928433 0.3274308 0.3100730 0.2884195 0.2645166
## 50989      50990      50991      50992      50993      50994      50995
## 0.2429531 0.2470529 0.2498754 0.2464140 0.2445531 0.2467393 0.2422889
## 50996      50997      50998      50999      51000      51001      51002
## 0.2411178 0.4960130 0.3252245 0.3012230 0.2470646 0.2406883 0.2401028
## 51003      51004      51005      51006      51007      51008      51009
## 0.3067805 0.2447483 0.2447353 0.2886006 0.2413780 0.2471947 0.3348558
## 51010      51011      51012      51013      51014      51015      51016
## 0.2641426 0.2633383 0.2468954 0.2438596 0.8305441 0.4496595 0.4467615
## 51017      51018      51019      51020      51021      51022      51023
## 0.2402719 0.2394912 0.2402719 0.9113864 1.5106967 0.4927354 1.6106012
## 51024      51025      51026      51027      51028      51029      51030
## 0.7920649 0.5928854 1.8250775 0.7725848 0.4155452 0.3107890 0.2429396
## 51031      51032      51033      51034      51035      51036      51037
## 0.2594020 0.2434861 0.2430472 0.2443774 0.2491650 0.2498304 0.2530552
## 51038      51039      51040      51041      51042      51043      51044
## 0.2922532 0.2607689 0.2527378 0.2387104 0.2385152 0.2385152 0.2382550
## 51045      51046      51047      51048      51049      51050      51051
## 0.2382550 0.2382550 0.2398254 0.2398254 0.2571164 0.2382550 0.2382550
## 51052      51053      51054      51055      51056      51057      51058
## 0.2382550 0.2385673 0.2385673 0.2398165 0.2382550 0.2382550 0.2385673
## 51059      51060      51061      51062      51063      51064      51065
## 0.2382550 0.2385673 0.2398165 0.2382550 0.2382550 0.2382550 0.2382550
## 51066      51067      51068      51069      51070      51071      51072

## 0.2382550 0.2382550 0.2647635 0.2385673 0.2398165 0.2382550 0.4655408
## 51073      51074      51075      51076      51077      51078      51079
## 0.2584337 0.2647665 0.3137830 0.3137830 0.2433442 0.2433442 0.2454120
## 51080      51081      51082      51083      51084      51085      51086

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## 0.2454120 0.2839358 0.2434965 0.2419115 0.3152588 0.2433442 0.2454120
## 51087 51088 51089 51090 51091 51092 51093
## 0.2735075 0.2448732 0.2531598 0.3321681 0.2849264 0.3098098 0.2391919
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## 0.2382550 0.2382550 0.2389967 0.2382550 0.2382550 0.2382550 0.2382550
## 51101 51102 51103 51104 51105 51106 51107
## 0.2382550 0.2583841 0.2529916 0.2952510 0.2527839 0.2443840 0.2393871
## 51108 51109 51110 51111 51112 51113 51114
## 0.2441758 0.2678553 0.2420549 0.2446572 0.3257570 0.2407667 0.2562386
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## 1.2241500 0.3786150 0.3337965 0.5932694 1.2606494 0.7593889 0.4051727
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## 0.3629778 1.4048848 1.1507439 0.9676585 1.5218864 0.7046424 0.4949097
## 51255 51256 51257 51258 51259 51260 51261

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## 0.4563685 1.2920731 0.5105143 0.5296902 1.2315816 0.3807078 0.3869918
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## 0.7821254 0.4653121 0.3871364 1.0823680 0.8464923 0.9019255 1.2693074
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## 0.4837818 0.3057861 0.3408118 0.4448707 0.2736779 0.3156940 0.2689045
## 51276 51277 51278 51279 51280 51281 51282
## 0.2974790 1.3293443 1.1672679 0.4185591 1.0188273 1.1413425 0.5955173
## 51283 51284 51285 51286 51287 51288 51289
## 0.7103205 0.5528858 1.3043115 0.4090379 0.7345581 0.4503481 1.3877445
## 51290 51291 51292 51293 51294 51295 51296
## 1.0279082 0.6119085 1.3754625 0.4765113 0.3597266 0.7485418 0.4344408
## 51297 51298 51299 51300 51301 51302 51303
## 1.3582375 1.2273370 1.2696888 0.8651711 0.6791607 0.7088488 1.3140066
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## 0.3969385 0.3380217 1.6061034 0.7133996 0.9807631 0.3082816 0.5858247
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## 0.2721193 0.4720442 0.2626479 0.8311754 0.6390090 0.4862133 0.8682282
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## 0.2981231 0.2755444 0.3173761 0.2966139 0.2868688 0.4439277 0.2833303
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## 0.3174950 0.5505160 0.5953593 0.4862069 0.2949843 0.2654740 0.3593843
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## 0.2382550 0.2382550 0.2382550 0.2402589 0.2936561 0.2654519 0.2432519
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## 51423 51424 51425 51426 51427 51428 51429
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## 51430 51431 51432 51433 51434 51435 51436

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## 0.2399466 0.2390357 0.2399466 0.2382550 0.2499970 0.2382550 0.2399466
## 51437      51438      51439      51440      51441      51442      51443
## 0.2399466 0.2474940 0.2424711 0.2390357 0.2416383 0.2502871 0.2510679
## 51444      51445      51446      51447      51448      51449      51450
## 0.2556802 2.2045718 1.3404178 0.7400543 1.5148075 1.0988990 0.4208985
## 51451      51452      51453      51454      51455      51456      51457
## 1.3979642 0.6149116 0.4121125 1.9485400 0.9252686 0.8693684 2.1205084
## 51458      51459      51460      51461      51462      51463      51464
## 0.7044035 0.4328952 0.2444313 0.2442361 0.2442361 0.2382550 0.2382550
## 51465      51466      51467      51468      51469      51470      51471
## 0.2382550 0.2390357 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 51472      51473      51474      51475      51476      51477      51478
## 0.2445662 0.2384111 0.2384111 0.2405192 0.2382550 0.2382550 0.2583467
## 51479      51480      51481      51482      51483      51484      51485
## 0.2395562 0.2382550 0.2545209 0.2382550 0.2382550 0.2482748 0.2382550
## 51486      51487      51488      51489      51490      51491      51492
## 0.2382550 0.2545990 0.2382550 0.2382550 0.2588157 0.2382550 0.2382550
## 51493      51494      51495      51496      51497      51498      51499
## 0.2652570 0.2401941 0.2401941 0.2650092 0.2382550 0.2382550 0.2484978
## 51500      51501      51502      51503      51504      51505      51506
## 0.2382550 0.2382550 0.2471037 0.2382550 0.2382550 0.2426793 0.2382550
## 51507      51508      51509      51510      51511      51512      51513
## 0.2589583 0.2382550 0.2382550 0.2382550 0.2472338 0.2382550 0.2382550
## 51514      51515      51516      51517      51518      51519      51520
## 0.2476242 0.2404021 0.2396213 0.2453469 0.2382550 0.2382550 0.2521006
## 51521      51522      51523      51524      51525      51526      51527
## 0.2382550 0.2382550 0.2382550 0.2390357 0.2848578 0.2382550 0.2497335
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## 51535      51536      51537      51538      51539      51540      51541
## 0.2481499 0.2382550 0.3148011 0.2600137 0.2675212 0.3626635 0.3013322
## 51542      51543      51544      51545      51546      51547      51548
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## 51549      51550      51551      51552      51553      51554      51555
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## 0.5372199 0.2520881 0.2530252 0.3206058 0.3574354 0.2728569 0.4099422
## 51577      51578      51579      51580      51581      51582      51583
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## 0.2538495 0.2439155 0.2535059 0.2483789 0.3078352 0.2977754 0.3078356
## 51591      51592      51593      51594      51595      51596      51597

## 0.2615346 0.2439415 0.2427574 0.2528434 0.2444555 0.2508606 0.2537285
## 51598      51599      51600      51601      51602      51603      51604
## 0.2411438 0.2424451 0.2559167 0.2434861 0.2553538 0.2450476 0.2473639
## 51605      51606      51607      51608      51609      51610      51611

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## 0.2490556 0.2545079 0.2632876 0.2765499 0.3813534 0.2896574 0.2643439
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## 0.3112754 0.2641334 0.2806489 0.2985363 0.2788743 0.2694730 0.2856672
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## 0.2603829 0.3598949 0.2663609 0.2630696 0.2586951 0.2850446 0.2587992
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## 51780 51781 51782 51783 51784 51785 51786

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## 0.4600970 0.6924392 0.5000623 0.4146876 0.4116136 0.6881201 0.5684178
## 51787 51788 51789 51790 51791 51792 51793
## 0.5326076 0.7332929 0.5286105 0.4225111 0.6539658 0.3937555 0.3843349
## 51794 51795 51796 51797 51798 51799 51800
## 0.6084259 0.6561646 0.5541969 2.0033214 0.9113719 0.4379566 2.0441032
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## 51941 51942 51943 51944 51945 51946 51947
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## 51948 51949 51950 51951 51952 51953 51954
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## 51955 51956 51957 51958 51959 51960 51961

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```

## 0.2649923 0.2539177 0.2397384 1.1644433 0.5871696 0.3915180 0.2399726
## 51962      51963      51964      51965      51966      51967      51968
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2389768 0.2386675
## 51969      51970      51971      51972      51973      51974      51975
## 0.2386675 0.2382550 0.2382550 0.2382550 0.2705745 0.2682103 0.2728587
## 51976      51977      51978      51979      51980      51981      51982
## 0.5137395 0.2553876 0.2526094 0.3318790 0.2976746 0.3016936 0.7282995
## 51983      51984      51985      51986      51987      51988      51989
## 0.2904587 0.2649773 0.2873801 0.3031210 0.2890845 0.2954703 0.3278420
## 51990      51991      51992      51993      51994      51995      51996
## 0.2787960 0.2490089 0.2651943 0.2459800 0.3496552 0.9452635 0.4271175
## 51997      51998      51999      52000      52001      52002      52003
## 1.3078158 0.6970462 0.5845053 0.3238597 0.2701237 0.2674071 0.3951245
## 52004      52005      52006      52007      52008      52009      52010
## 0.2973353 0.2916919 0.5194961 0.3632590 0.3159644 0.3576781 0.3623693
## 52011      52012      52013      52014      52015      52016      52017
## 0.3652750 0.4860316 0.3571321 0.3432383 0.3002455 0.2898680 0.2798041
## 52018      52019      52020      52021      52022      52023      52024
## 0.3397668 0.2788121 0.2722132 0.3132466 0.2865089 0.2708921 0.3030680
## 52025      52026      52027      52028      52029      52030      52031
## 0.2858725 0.2699056 0.2840381 0.2575117 0.2922060 0.5140526 0.3034694
## 52032      52033      52034      52035      52036      52037      52038
## 0.2968308 0.3162875 0.2686260 0.2456215 0.2451647 0.2769423 0.2435092
## 52039      52040      52041      52042      52043      52044      52045
## 0.2435915 0.2513851 0.2443722 0.2441120 0.2533979 0.2420459 0.2395823
## 52046      52047      52048      52049      52050      52051      52052
## 0.8239971 1.5627854 0.8954877 0.3823134 0.3337031 0.4626380 0.3160081
## 52053      52054      52055      52056      52057      52058      52059
## 0.3151187 0.2929623 0.2387755 0.2382550 0.2382550 0.3477676 0.3326473
## 52060      52061      52062      52063      52064      52065      52066
## 0.3074538 0.2925978 0.2738554 0.2738554 0.6044547 0.3806079 0.3767386
## 52067      52068      52069      52070      52071      52072      52073
## 0.3491228 0.2661498 0.2503275 0.3450683 0.2713273 0.2548937 0.3681886
## 52074      52075      52076      52077      52078      52079      52080
## 0.2696502 0.2561475 0.2472338 0.3427362 0.2779439 0.3759459 0.2930500
## 52081      52082      52083      52084      52085      52086      52087
## 0.5563089 0.3841225 0.3441028 0.2985180 0.2772604 0.2716427 0.2897793
## 52088      52089      52090      52091      52092      52093      52094
## 0.2650837 0.2661195 0.2836745 0.2772405 0.2598828 0.2455667 0.2392960
## 52095      52096      52097      52098      52099      52100      52101
## 0.2382550 0.2382550 0.2382550 0.2382550 0.2426793 0.2400608 0.2382550
## 52102      52103      52104      52105      52106      52107      52108
## 0.2505742 0.2382550 0.2393090 0.2382550 0.2396994 0.2382550 0.2453599
## 52109      52110      52111      52112      52113      52114      52115
## 0.2488617 0.2384111 0.2382550 0.2405322 0.2645627 0.2382550 0.2675236
## 52116      52117      52118      52119      52120      52121      52122

## 0.2382550 0.2382550 0.2708946 0.2440456 0.2427139 0.2470358 0.2384501
## 52123      52124      52125      52126      52127      52128      52129
## 0.2415732 0.2382550 0.2392309 0.2972945 0.2382550 0.2571235 0.2516483
## 52130      52131      52132      52133      52134      52135      52136

```

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## 0.2482519 0.2517558 0.2440456 0.2382550 0.2474711 0.2388405 0.2382550
## 52137 52138 52139 52140 52141 52142 52143
## 0.2675753 0.2388405 0.2466352 0.2413780 0.2382550 0.2382550 0.2382550
## 52144 52145 52146 52147 52148 52149 52150
## 0.2382550 0.2382550 0.2413130 0.2486302 0.2522297 0.2569974 0.2382550
## 52151 52152 52153 52154 52155 52156 52157
## 0.2382550 0.2413130 0.2495008 0.2495008 0.2433227 0.2562674 0.2441035
## 52158 52159 52160 52161 52162 52163 52164
## 0.2464458 0.2382550 0.2382550 0.2382550 0.2437594 0.2382550 0.2382550
## 52165 52166 52167 52168 52169 52170 52171
## 0.2382550 0.2513328 0.2382550 0.2424453 0.2382550 0.2404934 0.2382550
## 52172 52173 52174 52175 52176 52177 52178
## 0.2382550 0.2408838 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 52179 52180 52181 52182 52183 52184 52185
## 0.2382550 0.2382550 0.2382550 0.2386453 0.2416903 0.2407534 0.2411438
## 52186 52187 52188 52189 52190 52191 52192
## 0.2382550 0.2382550 0.2382550 0.2384111 0.2382550 0.2386453 0.2382550
## 52193 52194 52195 52196 52197 52198 52199
## 0.2382550 0.2382550 0.2488865 0.2382550 0.2382550 0.2532668 0.2382550
## 52200 52201 52202 52203 52204 52205 52206
## 0.2491468 0.2382550 0.2382550 0.2388495 0.2382550 0.2382550 0.2382550
## 52207 52208 52209 52210 52211 52212 52213
## 0.3723849 0.3336769 0.3971638 0.3271687 0.3280542 0.3146661 0.3404142
## 52214 52215 52216 52217 52218 52219 52220
## 0.3249623 0.3144331 0.2981825 0.2948231 0.2810022 0.2386453 0.2967172
## 52221 52222 52223 52224 52225 52226 52227
## 0.2536573 0.2452819 0.2384501 0.2470386 0.4473874 0.2703404 0.5256439
## 52228 52229 52230 52231 52232 52233 52234
## 0.2692904 0.2661496 0.2688299 0.2768013 0.2659599 0.2700160 0.3642441
## 52235 52236 52237 52238 52239 52240 52241
## 0.5609980 0.2710421 0.2789872 0.2640853 0.2745726 0.2728040 0.2763975
## 52242 52243 52244 52245 52246 52247 52248
## 0.2757167 0.2769141 0.2729039 0.2717732 0.2848062 0.2502059 0.2581978
## 52249 52250 52251 52252 52253 52254 52255
## 0.3844258 0.2793543 0.2659734 0.2993032 0.3213743 0.2659816 0.2594788
## 52256 52257 52258 52259 52260 52261 52262
## 0.3694153 0.2917714 0.2883712 0.2961399 0.2600237 0.2473119 0.2646334
## 52263 52264 52265 52266 52267 52268 52269
## 0.2453599 0.2648440 0.2523868 1.8428872 1.5341755 1.3752332 1.4419690
## 52270 52271 52272 52273 52274 52275 52276
## 0.4743346 0.3907558 0.3152253 0.3165374 0.3465123 0.2382550 0.2382550
## 52277 52278 52279 52280 52281 52282 52283
## 0.2382550 0.2645129 0.2621551 0.2813283 0.3209138 0.2556675 0.2575331
## 52284 52285 52286 52287 52288 52289 52290
## 0.2593804 0.2605849 0.2490946 0.2532377 0.2458677 0.2536491 0.2909178
## 52291 52292 52293 52294 52295 52296 52297
## 0.2407274 0.2448017 0.3174391 0.2430049 0.2408575 0.2393610 0.2402719
## 52298 52299 52300 52301 52302 52303 52304
## 0.2407404 0.2394261 0.2386453 0.2386453 0.5119862 0.3358214 0.2747007
## 52305 52306 52307 52308 52309 52310 52311

```

```

## 1.2815304 1.1005505 0.6084595 0.2387234 0.2387234 0.2398165 0.3120613
## 52312 52313 52314 52315 52316 52317 52318
## 0.2409008 0.2428825 0.2801577 0.2458024 0.2456462 0.2831145 0.2382550
## 52319 52320 52321 52322 52323 52324 52325
## 0.2382550 0.2785495 0.2382550 0.2391499 0.2392309 0.2392309 0.2408163
## 52326 52327 52328 52329 52330 52331 52332
## 0.2403240 0.2382550 0.2382550 0.4450663 0.2994247 0.3038084 0.2418907
## 52333 52334 52335 52336 52337 52338 52339
## 0.2403812 0.2405374 0.2398816 0.2382550 0.2382550 0.2385152 0.2394440
## 52340 52341 52342 52343 52344 52345 52346
## 0.2408199 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550 0.2382550
## 52347 52348 52349 52350 52351 52352 52353
## 0.2382550 0.2382550 0.2382550 1.0078288 0.7044902 0.6476991 0.2382550
## 52354 52355 52356 52357 52358 52359 52360
## 0.2382550 0.2382550 1.0128612 0.9786613 1.2791585 0.7112459 1.0419036
## 52361 52362 52363 52364 52365 52366 52367
## 0.5680936 0.8850287 0.6854400 0.4992370 1.4790206 0.7612958 0.4924539
## 52368 52369 52370 52371 52372 52373 52374
## 0.2384111 0.2384111 0.2382550 0.4798040 0.5355892 0.5124322 0.2697895
## 52375 52376 52377 52378 52379 52380 52381
## 0.2405324 0.2389709 0.2382550 0.2382550 0.2399726 0.4839090 0.3816915
## 52382 52383 52384 52385 52386 52387 52388
## 0.3707389 0.3104612 0.2407613 0.2758859 0.2419551 0.2464089 0.2401190
## 52389 52390 52391 52392 52393 52394 52395

0.3095829 0.2667161 0.2446637 0.7202352 0.3569043 0.3175428 0.2996020
5239652397
0.2800339 0.2788809

pred<-predict(mod)

train_sg$predicted = NA
train_sg$predicted = pred
library(car)

## Loading required package: carData

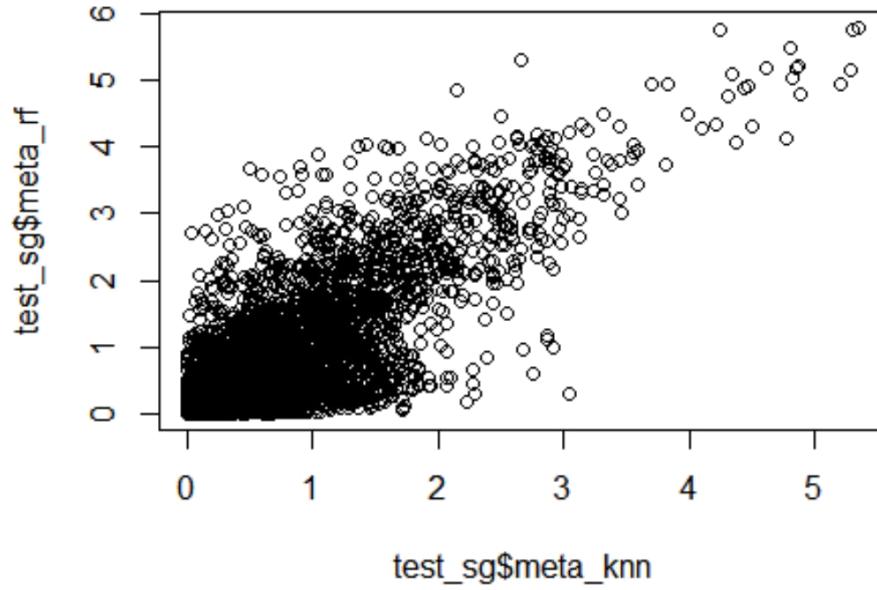
dwt(mod)

Lag Autocorrelation D-W Statistic p-value
## 1 0.5028719 0.9942523 0

Alternative hypothesis: rho != 0

plot(test_sg$meta_knn,test_sg$meta_rf)

```



```

cor(test_sg$meta_knn,test_sg$meta_rf)
## [1] 0.8151615

mod<-lm(test_sg$meta_knn~test_sg$meta_rf)

summary(mod)

##
```

Call:

Lm(formula = test_sg\$meta_knn ~ test_sg\$meta_rf)

Residuals:

	Min	1Q	Median	3Q	Max
	-1.99223	-0.16122	-0.09603	0.14712	2.68531

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
## (Intercept)	0.159885	0.005160	30.98	<2e-16 ***
## test_sg\$meta_rf	0.636017	0.005177	122.86	<2e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.3741 on 7622 degrees of freedom

Multiple R-squared: 0.6645, Adjusted R-squared: 0.6644

F-statistic: 1.51e+04 on 1 and 7622 DF, p-value: < 2.2e-16

```

predict(mod)

##   1     2     3     4     5     6     7
## 1.6728272 0.2936315 0.5239295 1.1506490 0.5573547 1.4363426 0.3697834
##   8     9    10    11    12    13    14
## 1.2569025 0.3492240 0.1605203 0.1625070 0.5450083 0.1678354 1.6056695
## 15    16    17    18    19    20    21
## 1.4406535 0.4874013 1.7591938 0.2932436 0.3231548 0.7997786 0.2282061
## 22    23    24    25    26    27    28
## 0.1645072 0.9974092 0.4011903 0.5962090 0.1598854 0.1616459 0.3044908
## 29    30    31    32    33    34    35
## 0.6945708 0.4169657 0.4846320 0.3042303 0.5354787 0.1869247 0.7779995
## 36    37    38    39    40    41    42

## 2.0013021 1.4452725 0.1598854 0.1600618 0.1601646 1.2231153 0.1903376

##   43     44     45     46     47     48     49
## 0.5604077 0.7872848 1.6963912 0.3042204 1.2569025 0.2456393 1.1411727
## 50     51     52     53     54     55     56
## 0.1688375 0.1622516 0.9669545 0.2126887 0.3731753 0.2315680 1.2590105
## 57     58     59     60     61     62     63
## 0.2138041 0.1701214 0.3038867 0.4946465 0.2026463 0.1697499 0.1709890
## 64     65     66     67     68     69     70
## 0.3050828 0.6382006 0.4107638 0.2552850 0.9848313 3.2979347 0.4594060
## 71     72     73     74     75     76     77
## 0.1600618 0.2452906 0.1625070 1.4230322 0.1611373 1.7066412 0.4290625
## 78     79     80     81     82     83     84
## 0.6820771 0.1875374 1.3765669 0.4555157 0.1603469 0.1680118 1.5228237
## 85     86     87     88     89     90     91
## 2.5234694 0.5388572 0.2259527 0.1639237 0.1598854 0.1924743 0.4920048
## 92     93     94     95     96     97     98
## 0.4318297 0.1831843 0.1816195 0.2839091 0.3217508 0.7358669 0.6854192
## 99     100    101    102    103    104    105
## 0.2129190 0.5104777 1.7183455 0.2400385 0.1598854 1.3263853 0.3500430
## 106    107    108    109    110    111    112
## 0.2316234 0.2000388 0.3250600 0.1726179 0.1779411 1.4041043 0.1599295
## 113    114    115    116    117    118    119
## 0.2725036 0.3495939 0.8078236 0.4711784 0.4116146 0.2345901 0.3231433
## 120    121    122    123    124    125    126
## 1.3111697 0.8147416 0.3059095 2.0840909 0.4128718 0.6774292 0.1600177
## 127    128    129    130    131    132    133
## 0.1647554 0.2864254 0.1662014 0.6516553 0.6718130 0.2388435 0.7772418
## 134    135    136    137    138    139    140
## 0.8170576 0.2139621 0.2503547 0.1626070 0.4871174 0.8155218 0.4467245
## 141    142    143    144    145    146    147
## 0.3054153 0.5356317 0.1598854 0.2822991 0.2426108 0.2725411 0.2670819
## 148    149    150    151    152    153    154
## 2.2317362 0.2773046 0.1857355 0.7387060 0.6392371 0.1598854 0.1598854
## 155    156    157    158    159    160    161
## 0.1600618 1.9800425 0.8215961 0.1598854 1.8774860 0.1774353 0.3425026
## 162    163    164    165    166    167    168
## 0.1803903 0.7859436 0.4032207 0.9907816 2.5711483 0.2427108 0.5386796

```

##	169	170	171	172	173	174	175
##	0.6235847	0.6774292	0.2062057	0.3844954	0.1637679	0.2506948	0.1621929
##	176	177	178	179	180	181	182
##	0.3483735	0.2266572	0.1694086	0.2353502	0.2113782	0.9802151	0.2550731
##	183	184	185	186	187	188	189
##	0.4085406	0.1743359	0.1604556	0.2048738	0.9626740	0.1872587	0.2022846
##	190	191	192	193	194	195	196
##	0.1694947	0.4351539	0.3053189	0.7122123	0.5017224	0.1634694	2.6024648
##	197	198	199	200	201	202	203
##	0.2692621	0.1606496	0.2499152	0.1647554	0.7732989	0.1611373	0.5660298
##	204	205	206	207	208	209	210
##	0.2981580	0.1693926	0.7520185	1.4312170	0.5575804	0.1601793	0.1665012
##	211	212	213	214	215	216	217
##	0.7927119	0.2524567	0.5046328	1.0380516	2.2792708	0.1631061	0.1598854
##	218	219	220	221	222	223	224
##	0.1787281	0.2335139	0.2081914	0.1834299	0.1610728	0.2316101	0.5788194
##	225	226	227	228	229	230	231
##	0.3233337	0.9440188	0.1610102	0.3202509	0.5252290	0.2827929	0.5482205
##	232	233	234	235	236	237	238
##	0.2265382	0.1598854	0.7090070	0.5788194	0.2141139	0.2032125	1.8571457
##	239	240	241	242	243	244	245
##	0.1793588	0.2532086	1.3754792	0.1655547	0.1599295	0.7338060	0.1598854
##	246	247	248	249	250	251	252
##	2.3063463	0.2083474	0.4263453	0.2668340	0.3421374	0.2464384	0.1699038
##	253	254	255	256	257	258	259
##	0.1906480	0.2823862	0.8109313	0.5007661	0.2614352	0.7154202	0.1601940
##	260	261	262	263	264	265	266
##	0.2107385	0.6671112	0.1673786	0.2957643	0.4027432	0.1600324	0.2269478
##	267	268	269	270	271	272	273
##	0.1998934	0.2667276	0.6731057	0.2138053	0.1624365	1.2125814	0.2058886
##	274	275	276	277	278	279	280
##	0.3853693	0.3492782	0.2849411	0.3374175	0.2033629	0.6263274	0.2650917
##	281	282	283	284	285	286	287
##	2.5939023	0.1598854	0.1946168	0.4012849	0.2478142	0.1598854	0.4825126
##	288	289	290	291	292	293	294
##	1.0374613	2.6848781	0.6962466	0.5484348	0.1598854	1.6114805	0.1728750
##	295	296	297	298	299	300	301
##	0.5367475	0.2578736	0.4953210	0.5974961	0.2244019	1.5136319	0.4202862
##	302	303	304	305	306	307	308
##	0.2823920	0.1616518	0.1769861	0.1663269	0.5465642	0.1744624	0.1700062
##	309	310	311	312	313	314	315
##	0.1655422	0.6521689	0.2369664	0.1601500	0.3148381	0.1601500	0.2054411
##	316	317	318	319	320	321	322
##	0.3804796	0.5762361	0.2313374	0.2921869	0.6987747	0.1598854	2.5918221
##	323	324	325	326	327	328	329
##	1.0540131	0.4177196	2.8034143	0.2340735	0.6312001	0.1602087	1.1189622
##	330	331	332	333	334	335	336
##	0.8585482	0.2759536	0.1678547	0.3177833	0.1928795	0.4541386	0.8703203
##	337	338	339	340	341	342	343
##	0.3858792	0.2341577	0.1845534	1.5071547	0.2979923	0.1967800	1.1056053

```

##   344    345    346    347    348    349    350
## 0.1860514 0.3052535 0.1606205 0.2862045 0.2460310 0.4103232 2.1678496
##   351    352    353    354    355    356    357
## 0.2914564 1.4036415 0.3906117 1.1056053 0.4895325 0.8590353 0.2113945
##   358    359    360    361    362    363    364
## 1.1167586 0.1598854 0.1755386 1.6958392 0.2099482 0.1599883 0.1600177
##   365    366    367    368    369    370    371
## 0.2159922 0.1708889 0.2136642 0.1831912 1.1018416 0.4341370 0.1928121
##   372    373    374    375    376    377    378
## 1.6648267 0.2452835 0.4657060 0.1883513 0.3912063 0.1615716 0.1598854
##   379    380    381    382    383    384    385
## 0.3678227 0.2699247 0.4594684 0.1878978 0.2071227 0.2510215 1.9815743
##   386    387    388    389    390    391    392
## 0.1707540 0.3187991 1.6033430 1.2040968 0.5643523 0.1598854 0.4668876
##   393    394    395    396    397    398    399

## 0.4291503 1.6730720 0.4868268 0.9893245 0.3991318 0.9035882 0.1598854
##   400    401    402    403    404    405    406
## 0.4630322 0.1598854 0.1738756 0.2980840 0.4076618 0.1659683 0.7657484
##   407    408    409    410    411    412    413
## 0.2815260 0.3402032 0.4255751 1.6730720 0.4443861 0.1731482 0.1598854
##   414    415    416    417    418    419    420
## 1.1837278 0.9423055 0.1696871 0.1598854 0.1824742 0.1601500 0.2976711
##   421    422    423    424    425    426    427
## 0.1598854 0.6063696 0.2718109 0.3153561 0.1652216 0.1599442 0.4568592
##   428    429    430    431    432    433    434
## 1.4897821 0.2670775 0.1598854 0.1681027 0.9274311 0.7542091 1.5199298
##   435    436    437    438    439    440    441
## 0.2662262 0.5842877 0.1628801 0.2447804 0.1916476 0.2489141 0.7267236
##   442    443    444    445    446    447    448
## 0.8221803 1.9051930 0.1598854 0.1669075 0.6133155 0.1837390 0.2444467
##   449    450    451    452    453    454    455
## 0.9872389 0.1612727 0.1882931 0.9489240 0.2942301 0.6133155 0.2117398
##   456    457    458    459    460    461    462
## 0.2411803 0.1809674 0.4886023 0.7824481 0.1598854 0.1598854 0.8657339
##   463    464    465    466    467    468    469
## 1.2939979 0.1598854 0.2767622 0.1600177 0.2220057 0.1691014 0.1827048
##   470    471    472    473    474    475    476
## 0.5753866 0.1598854 0.1634872 1.3499072 0.2262687 0.9395106 0.2788841
##   477    478    479    480    481    482    483
## 0.3178802 0.1789253 1.0994488 0.2851041 0.1598854 0.1598854 0.2202714
##   484    485    486    487    488    489    490
## 0.1598854 0.4991572 0.2339340 0.7744565 1.8397781 0.4726961 0.1624159
##   491    492    493    494    495    496    497
## 0.4582256 0.6949545 0.3024352 0.1598854 0.2353368 0.5335275 0.6590038
##   498    499    500    501    502    503    504
## 0.3765622 0.7259688 0.1599883 0.1599295 0.5696858 0.1598854 0.3876568
##   505    506    507    508    509    510    511
## 0.1667847 0.3554503 0.6590038 0.3686396 0.1598854 0.9039357 0.7565554
##   512    513    514    515    516    517    518
## 0.7633222 0.8432143 0.1598854 0.1613667 0.1964912 0.8083676 0.3075170

```

```

##   519      520      521      522      523      524      525
## 0.2445502 0.1818007 0.1655607 0.5814411 0.3777972 2.7056633 0.6606033
##   526      527      528      529      530      531      532
## 0.2103808 0.1598854 0.1598854 0.7702900 0.4389081 0.4524110 0.2073421
##   533      534      535      536      537      538      539
## 0.3921091 0.1631771 0.4309866 0.4779161 0.4536527 0.9496799 0.1600974
##   540      541      542      543      544      545      546
## 0.1944248 0.1641104 1.8073654 0.3050752 0.2977080 0.2393770 0.9703549
##   547      548      549      550      551      552      553
## 0.5851742 0.2561655 0.2132351 3.3957227 0.1803332 0.4430782 0.1598854
##   554      555      556      557      558      559      560
## 0.3157840 0.1795308 0.1598854 0.2961824 0.1600177 0.1902919 0.1901289
##   561      562      563      564      565      566      567

## 0.5510902 0.1598854 1.3751675 0.1894914 0.9167292 0.1616744 0.6199979

##   568      569      570      571      572      573      574
## 0.2263616 0.1613717 0.2145243 1.5926033 1.1814486 0.6639045 1.3802287
##   575      576      577      578      579      580      581
## 0.1598854 0.1623433 0.4254770 1.2619990 0.1856025 0.2575978 0.5371717
##   582      583      584      585      586      587      588
## 1.9733538 0.2156639 0.1656871 0.4563680 0.2833344 0.2087867 1.0146162
##   589      590      591      592      593      594      595
## 0.1598854 0.1598854 0.3553963 0.1598854 0.3721979 1.0146162 0.2704758
##   596      597      598      599      600      601      602
## 0.3539841 0.4194733 0.4830802 0.3321902 1.8667452 1.7136552 0.1598854
##   603      604      605      606      607      608      609
## 0.5311413 0.4014623 0.2892654 0.1648201 0.1640471 0.4803697 0.1652398
##   610      611      612      613      614      615      616
## 1.7865986 0.8731929 0.1633423 0.6482924 0.1904596 0.1598854 0.4573940
##   617      618      619      620      621      622      623
## 0.3500907 0.1616744 0.4171234 0.6101786 0.3530443 0.5116887 0.6348073
##   624      625      626      627      628      629      630
## 0.1611696 0.4076508 0.1693081 1.8544429 0.6086542 0.3308706 0.2334528
##   631      632      633      634      635      636      637
## 0.7164540 2.5962862 0.1708863 0.1634878 0.4281796 0.4669037 0.8524587
##   638      639      640      641      642      643      644
## 0.1780234 0.2002515 0.1733579 0.1940098 0.1887522 0.2032436 0.1606105
##   645      646      647      648      649      650      651
## 0.3425114 1.2260410 0.1611140 0.1598854 0.1766568 0.1766568 0.1599442
##   652      653      654      655      656      657      658
## 0.4915782 0.2091315 0.1603204 0.1637162 1.5442551 0.1766568 0.1766568
##   659      660      661      662      663      664      665
## 0.3813764 0.5970620 0.1616519 0.1766568 0.2810892 0.5924461 0.4963436
##   666      667      668      669      670      671      672
## 0.1766568 0.1604086 0.1967238 1.3144549 0.1844398 0.1606546 0.4076399
##   673      674      675      676      677      678      679
## 0.1895818 0.5306134 1.0359166 2.1934262 0.1766568 0.1766568 0.4895967
##   680      681      682      683      684      685      686
## 0.1766568 0.1766568 0.1598854 0.1766568 1.5068807 0.1769846 0.1766568
##   687      688      689      690      691      692      693
## 0.1766568 0.1598854 1.6407186 0.1598854 0.1766568 0.1766568 1.9346122

```

##	694	695	696	697	698	699	700
##	0.1834902	0.1766568	0.1660524	0.1766568	0.9128920	0.1766568	0.2821202
##	701	702	703	704	705	706	707
##	0.1766568	0.2802684	0.3878441	0.5968227	0.1745848	0.9088217	0.1599295
##	708	709	710	711	712	713	714
##	0.3570071	0.1598854	1.9346122	1.7722823	0.3403074	0.1766568	1.1606744
##	715	716	717	718	719	720	721
##	1.2946429	0.5739984	0.5968227	0.2880438	0.1598854	0.9256486	0.1766568
##	722	723	724	725	726	727	728
##	0.1766568	0.1598854	0.1633976	0.1635344	0.4144185	1.1811221	0.1599442
##	729	730	731	732	733	734	735
##	0.9107514	0.1766568	1.2013057	0.2136682	0.1598854	0.2735614	0.7420988
##	736	737	738	739	740	741	742
##	0.1600588	0.1598854	0.6228683	0.1766568	0.1851375	0.1766568	0.1766568
##	743	744	745	746	747	748	749
##	3.2463098	0.1599442	0.9133692	1.1379195	0.2952058	1.0461745	0.5968227
##	750	751	752	753	754	755	756
##	0.1766568	0.1681511	0.3664811	0.1656330	0.1897600	0.3187216	0.3125557
##	757	758	759	760	761	762	763
##	0.3092122	0.3720105	0.1766568	0.3157524	0.6524104	0.1758442	0.1766568
##	764	765	766	767	768	769	770
##	1.2522941	0.1766568	0.1600618	0.8892831	2.6482912	0.1599442	0.2984578
##	771	772	773	774	775	776	777
##	0.4318218	0.1646584	0.1766568	0.1655372	0.6403936	0.8397732	2.2664250
##	778	779	780	781	782	783	784
##	0.2142668	0.1600001	0.1598854	3.3582939	0.9952537	0.5303556	0.1610699
##	785	786	787	788	789	790	791
##	0.1598854	0.1737253	0.1737253	0.1601206	0.1603204	0.1598854	0.2267839
##	792	793	794	795	796	797	798
##	2.0749821	0.1737253	0.1601676	0.1737253	0.2140306	0.2845017	0.1598854
##	799	800	801	802	803	804	805
##	0.1602090	0.1737253	0.2375020	0.3636871	0.1601764	0.2383248	0.1737253
##	806	807	808	809	810	811	812
##	1.2742936	0.1605849	1.2946384	0.1822803	0.1598854	0.4598283	0.3786184
##	813	814	815	816	817	818	819
##	0.3883589	0.9602354	0.1737253	0.7356516	1.8856717	0.1737253	0.3375825
##	820	821	822	823	824	825	826
##	0.1737253	0.1599912	0.1737253	0.5065627	0.1598854	0.1737253	1.6997265
##	827	828	829	830	831	832	833
##	0.9059764	1.2659227	0.1657537	0.1737253	0.1737253	0.5219117	0.2134569
##	834	835	836	837	838	839	840
##	0.1737253	0.1737253	1.5998958	0.1638200	2.0369467	0.8145538	0.1737253
##	841	842	843	844	845	846	847
##	0.1598854	0.1737253	0.8383510	0.4538965	0.6049444	0.1737253	0.1737253
##	848	849	850	851	852	853	854
##	1.5629028	0.3060726	0.1599560	0.4364092	0.1689671	0.7407291	0.1598854
##	855	856	857	858	859	860	861
##	0.3405125	1.5998958	0.6484852	0.2622738	0.1737253	0.7750757	0.5995274
##	862	863	864	865	866	867	868
##	0.3884498	0.9530487	2.2247906	0.4364092	0.1598854	0.4881809	0.1737253

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##   869     870     871     872     873     874     875
## 0.1737253 0.1598854 1.2188598 0.1611610 0.4868192 0.1930846 1.2120318
##   876     877     878     879     880     881     882
## 0.8763683 0.1599442 0.4837483 0.3331120 0.4464020 0.1737253 0.4415813
##   883     884     885     886     887     888     889
## 0.1625351 0.1598854 0.2365189 0.5457470 0.1598854 1.4903610 0.1598854
##   890     891     892     893     894     895     896
## 0.2426030 0.1737253 0.1737253 0.1737253 1.8127698 1.0641015 0.1601206
##   897     898     899     900     901     902     903
## 0.3173295 0.5708071 0.1598854 0.4007852 0.3572322 0.4364092 0.1737253
##   904     905     906     907     908     909     910
## 0.1629833 0.4166613 0.2059631 0.1793907 0.1926843 0.2235985 0.6501582
##   911     912     913     914     915     916     917
## 0.1737253 1.1853599 0.1909682 0.1665306 0.1737253 0.3794497 0.1737253
##   918     919     920     921     922     923     924

## 0.1598854 0.8430044 0.1810400 0.1601206 0.2872101 1.6214524 0.2837002
##   925     926     927     928     929     930     931
## 1.3237409 0.2021859 1.3360871 0.1737253 0.7283305 0.3445630 0.2702070
##   932     933     934     935     936     937     938
## 1.4496832 0.1726943 0.1599560 0.1598854 2.4604557 1.4500129 0.5017385
##   939     940     941     942     943     944     945
## 0.1610699 0.1606311 0.1598854 0.1599295 0.1679122 0.2690065 0.2095339
##   946     947     948     949     950     951     952
## 0.1679122 0.1598854 0.1879780 0.1679122 2.0118481 0.1598854 0.1679122
##   953     954     955     956     957     958     959
## 0.2468701 0.1598854 0.1601649 0.1679122 0.1963042 0.1599560 0.2126490
##   960     961     962     963     964     965     966
## 0.1601584 0.1679122 0.1820689 1.5482392 0.1638561 0.7570868 0.1606261
##   967     968     969     970     971     972     973
## 0.1598854 0.3243456 0.1711158 0.2051158 0.2656595 0.2934223 0.2554264
##   974     975     976     977     978     979     980
## 0.5698051 0.1679122 0.3028081 1.1506359 0.1679122 0.1879409 0.1679122
##   981     982     983     984     985     986     987
## 0.1599560 0.3552821 0.1679122 0.2973704 0.1598854 0.1679122 1.4733010
##   988     989     990     991     992     993     994
## 0.7380062 1.9030265 0.7015388 0.1598854 1.0802825 0.1712527 0.1679122
##   995     996     997     998     999     1000    1001
## 0.1679122 0.3262373 0.1889981 0.1679122 0.1679122 1.2198538 0.1598854
## 1002    1003    1004    1005    1006    1007    1008
## 0.1829039 0.6495564 0.6499684 0.1679122 0.1600618 0.1679122 0.2828106
## 1009    1010    1011    1012    1013    1014    1015
## 0.4160371 0.4338901 0.1679122 2.5277020 0.1679122 0.7363509 0.1935988
## 1016    1017    1018    1019    1020    1021    1022
## 1.4500129 0.2562478 0.1599560 0.2230187 0.1602352 0.1598854 0.1598854
## 1023    1024    1025    1026    1027    1028    1029
## 2.5791148 1.2198538 0.4503260 0.1679122 0.3173091 0.2791073 0.3341722
## 1030    1031    1032    1033    1034    1035    1036
## 1.6034532 1.3710815 0.2230187 0.8168287 0.1598854 0.2879079 0.1679122
## 1037    1038    1039    1040    1041    1042    1043
## 0.1679122 0.1598854 0.4956755 0.1620633 0.2051933 0.2909640 0.2678647

```

```

##   1044      1045      1046      1047      1048      1049      1050
## 0.3171849 0.1987920 0.3815393 0.5407377 0.2741180 0.2655928 0.1679122
##   1051      1052      1053      1054      1055      1056      1057
## 0.2703010 0.5245130 0.1600971 0.2582828 0.4106114 0.1598854 1.0014947
##   1058      1059      1060      1061      1062      1063      1064
## 0.1598854 0.1679122 0.1679122 0.1679122 0.2419245 0.4613948 1.0408418
##   1065      1066      1067      1068      1069      1070      1071
## 1.2922456 0.3435752 0.2521336 0.2966843 0.1598854 0.5193652 0.2378731
##   1072      1073      1074      1075      1076      1077      1078
## 0.2095339 0.2030138 0.2230187 0.1679122 0.1629393 0.4504895 0.2592083
##   1079      1080      1081      1082      1083      1084      1085
## 1.5275778 0.1891404 1.4806770 0.4179512 0.4417927 0.1610425 0.1679122
##   1086      1087      1088      1089      1090      1091      1092

## 0.4850670 0.7981661 0.9000050 0.1953648 0.1683293 0.2802884 0.1679122

##   1093      1094      1095      1096      1097      1098      1099
## 0.3025805 2.1320402 1.4500129 0.1679122 0.1598854 0.3090155 0.1881578
##   1100      1101      1102      1103      1104      1105      1106
## 0.7209040 1.4500129 0.7658184 0.1968051 1.9547543 0.2648861 0.5853207
##   1107      1108      1109      1110      1111      1112      1113
## 0.1679122 0.5956957 0.7308419 0.1602293 0.3233945 0.4610512 0.4977975
##   1114      1115      1116      1117      1118      1119      1120
## 0.1598854 0.2133887 0.1602381 3.0185547 0.8533272 0.5066310 0.1598854
##   1121      1122      1123      1124      1125      1126      1127
## 2.5037187 0.1598854 0.3019839 0.1947821 0.7595589 0.1993192 0.7378955
##   1128      1129      1130      1131      1132      1133      1134
## 0.1598854 0.1598854 1.6046719 0.2334409 0.1602381 0.2259654 0.1755386
##   1135      1136      1137      1138      1139      1140      1141
## 0.1598854 0.2009816 0.6154397 0.1614187 0.3665164 0.6737370 0.1604056
##   1142      1143      1144      1145      1146      1147      1148
## 0.7923950 0.2282381 0.2157569 0.1610434 0.1732898 0.1858213 0.7595589
##   1149      1150      1151      1152      1153      1154      1155
## 0.5728167 0.3271946 0.2791085 0.1602381 0.1825607 0.2004918 0.8807371
##   1156      1157      1158      1159      1160      1161      1162
## 0.3469234 1.4377912 0.1834925 0.1598854 0.3220746 0.1770074 0.2556395
##   1163      1164      1165      1166      1167      1168      1169
## 0.8488124 1.5350997 0.1857067 2.1343065 0.1598854 0.2974223 0.4940277
##   1170      1171      1172      1173      1174      1175      1176
## 0.2302558 0.2455314 1.2645400 0.3176437 1.6552473 0.5861031 0.1908103
##   1177      1178      1179      1180      1181      1182      1183
## 0.8533272 0.2072803 0.8599633 0.1602381 0.1598854 0.1598854 0.4696127
##   1184      1185      1186      1187      1188      1189      1190
## 0.1788966 1.9099190 0.3003789 0.4222665 0.6771074 0.4689264 0.5079532
##   1191      1192      1193      1194      1195      1196      1197
## 0.2793815 0.5430944 0.2570905 0.2611922 0.1867166 0.2314041 0.2477590
##   1198      1199      1200      1201      1202      1203      1204
## 0.4133494 0.2199801 0.2169307 0.2366529 0.1599207 0.8760714 0.1599295
##   1205      1206      1207      1208      1209      1210      1211
## 0.4642509 0.1797739 0.1924840 0.2442434 0.7749097 0.6732195 0.1944426
##   1212      1213      1214      1215      1216      1217      1218
## 2.2631507 0.1598854 0.2605519 0.4427503 0.1759428 0.1947821 0.2006764

```

##	1219	1220	1221	1222	1223	1224	1225
##	0.1736708	0.7595589	0.4434798	0.8615441	2.2033197	0.3632201	0.2787880
##	1226	1227	1228	1229	1230	1231	1232
##	0.4448039	0.1655422	0.1598854	0.2947949	0.4360652	0.5188295	0.4861510
##	1233	1234	1235	1236	1237	1238	1239
##	0.2971021	0.1707599	0.2389452	0.3199370	1.0515426	0.8533272	0.2981120
##	1240	1241	1242	1243	1244	1245	1246
##	0.2799210	2.4450827	0.8533272	0.3569209	0.1720488	0.1723182	0.4694954
##	1247	1248	1249	1250	1251	1252	1253
##	0.1920845	0.3156653	0.3545264	0.4882457	0.6228114	0.1654137	0.9272415
##	1254	1255	1256	1257	1258	1259	1260
##	0.1598854	0.1598854	0.1737323	0.7193292	0.9703628	0.1599442	1.0119345
##	1261	1262	1263	1264	1265	1266	1267
##	0.1613805	0.1599442	0.2976182	0.1973203	0.6956318	0.7791160	0.6343622
##	1268	1269	1270	1271	1272	1273	1274
##	0.4183257	0.4253030	0.1727555	0.1598854	0.1620515	0.2035947	0.2457835
##	1275	1276	1277	1278	1279	1280	1281
##	0.1700338	0.3300964	0.1602822	0.3136837	0.2891742	0.2154436	0.1612198
##	1282	1283	1284	1285	1286	1287	1288
##	0.1707864	0.1998208	0.7791160	0.3806278	0.2058950	0.1672868	0.1802015
##	1289	1290	1291	1292	1293	1294	1295
##	0.9792475	0.5553551	0.4980412	1.6622097	0.1602440	0.1598854	0.1685798
##	1296	1297	1298	1299	1300	1301	1302
##	0.2890966	0.1668781	0.1982509	0.3691245	0.7080840	0.9660205	0.7395047
##	1303	1304	1305	1306	1307	1308	1309
##	0.1603322	0.8203810	0.1599442	1.9389191	0.1599295	0.5415666	0.2551670
##	1310	1311	1312	1313	1314	1315	1316
##	0.8141247	0.7643026	0.9703628	0.1813356	0.5641005	0.1599442	0.1598854
##	1317	1318	1319	1320	1321	1322	1323
##	0.2081074	0.1642594	1.4752647	2.6792987	0.5218112	0.2720865	0.4653152
##	1324	1325	1326	1327	1328	1329	1330
##	0.6222826	0.1766620	0.1903155	0.1809570	0.1957113	0.3093414	0.1598854
##	1331	1332	1333	1334	1335	1336	1337
##	0.8935797	0.3859271	0.2400945	0.1673009	0.1598854	0.3776688	0.2980973
##	1338	1339	1340	1341	1342	1343	1344
##	1.4945746	0.1600236	0.1744192	0.1681027	0.3263265	0.1600618	0.2365201
##	1345	1346	1347	1348	1349	1350	1351
##	0.2511576	0.1746388	0.1973203	0.1647466	0.7791160	1.4599598	1.1837278
##	1352	1353	1354	1355	1356	1357	1358
##	0.7340499	0.1598854	0.5435794	0.6768496	0.3586930	0.1599295	0.2234255
##	1359	1360	1361	1362	1363	1364	1365
##	0.1598854	0.1599442	0.2967747	0.3581208	0.1933092	0.2152378	0.8800863
##	1366	1367	1368	1369	1370	1371	1372
##	0.9703628	1.3649314	1.7870084	1.0071837	0.2290124	0.7766639	0.3106691
##	1373	1374	1375	1376	1377	1378	1379
##	0.9703628	0.1618189	0.2278280	0.1776039	0.2662887	0.2472111	0.1598854
##	1380	1381	1382	1383	1384	1385	1386
##	0.3365003	0.1599442	0.5291071	0.1598854	0.4154367	0.7290790	0.1598854
##	1387	1388	1389	1390	1391	1392	1393
##	0.2446854	1.0202356	0.2590840	0.9852421	0.2622530	0.8419090	0.3464938

##	1394	1395	1396	1397	1398	1399	1400
##	0.1810449	0.2744300	0.1598854	0.2202151	0.1840286	0.2442657	0.1600236
##	1401	1402	1403	1404	1405	1406	1407
##	0.9852421	0.3503825	0.2031746	0.1613285	0.1858737	0.5340312	0.3880214
##	1408	1409	1410	1411	1412	1413	1414
##	0.8137199	0.2935524	0.1609335	0.1601793	0.1666430	0.1891779	0.3111068
##	1415	1416	1417	1418	1419	1420	1421
##	0.3719302	0.2791937	0.2446854	0.3698087	0.1598854	0.4482570	1.4473614
##	1422	1423	1424	1425	1426	1427	1428
##	1.5284178	0.1598854	0.2830571	0.2100581	0.4077435	0.2952343	0.3435926
##	1429	1430	1431	1432	1433	1434	1435
##	0.2276563	0.3364079	0.1626968	1.5264377	0.2987315	0.1939201	0.3242727
##	1436	1437	1438	1439	1440	1441	1442
##	0.2891235	0.3095630	0.2502287	0.1598854	0.4679696	0.4193405	0.1598854
##	1443	1444	1445	1446	1447	1448	1449
##	0.1955997	0.2980952	0.1598854	0.1598854	0.2957862	1.1209676	0.1600618
##	1450	1451	1452	1453	1454	1455	1456
##	1.9560817	0.2012958	0.1834103	1.0068509	0.1646584	0.9852421	0.1599560
##	1457	1458	1459	1460	1461	1462	1463
##	0.5686445	0.2062095	0.3904522	0.1598854	0.3214469	0.3551503	0.1598854
##	1464	1465	1466	1467	1468	1469	1470
##	0.1598854	0.2923039	0.1598854	0.1605614	0.1600001	0.7508332	1.0624442
##	1471	1472	1473	1474	1475	1476	1477
##	0.7376521	0.7416175	0.3341979	0.2446854	0.1893268	0.1644245	0.2706741
##	1478	1479	1480	1481	1482	1483	1484
##	0.3126417	0.1598854	0.2587196	0.1990826	0.3610228	0.2919966	0.1600530
##	1485	1486	1487	1488	1489	1490	1491
##	1.1288611	0.4397655	0.1598854	0.1888123	0.8836553	0.2019731	0.2214478
##	1492	1493	1494	1495	1496	1497	1498
##	0.2904734	0.4971802	1.3168300	0.1598854	0.2154167	0.1676877	0.1612198
##	1499	1500	1501	1502	1503	1504	1505
##	0.1598854	0.2000048	0.5616131	0.5571915	0.1614519	0.1795368	0.6674825
##	1506	1507	1508	1509	1510	1511	1512
##	0.3238292	1.0374183	0.2023406	0.6569112	0.1603557	1.3801898	0.3490872
##	1513	1514	1515	1516	1517	1518	1519
##	0.6999338	0.1888123	0.1600533	0.3347879	0.6454260	0.9743203	1.1769763
##	1520	1521	1522	1523	1524	1525	1526
##	0.1598854	0.2513444	0.2124508	0.2967643	0.8349090	0.1652398	0.2990033
##	1527	1528	1529	1530	1531	1532	1533
##	0.2468383	0.2063966	0.1756764	0.7727304	0.2546426	1.4098671	0.3260100
##	1534	1535	1536	1537	1538	1539	1540
##	0.5835875	0.1598854	0.2830001	0.1598854	0.1598854	0.4514371	0.4429196
##	1541	1542	1543	1544	1545	1546	1547
##	0.1604802	0.2473784	1.3695367	0.3731552	0.1600618	0.3809149	0.1619486
##	1548	1549	1550	1551	1552	1553	1554
##	0.3102496	0.1918302	0.3537842	0.1598854	0.2165629	0.1598854	0.5423080
##	1555	1556	1557	1558	1559	1560	1561
##	0.1598854	0.1603586	0.1600618	0.1598854	0.4217322	0.6252930	2.4069379
##	1562	1563	1564	1565	1566	1567	1568
##	0.7512090	0.7503296	0.1888123	0.1689584	0.1732957	0.7086411	0.3020272

```

##   1569      1570      1571      1572      1573      1574      1575
## 0.2597771 0.1841176 1.7923882 0.3534650 0.3268676 0.1598854 0.9606693
##   1576      1577      1578      1579      1580      1581      1582
## 0.1646709 0.1601500 0.3065787 0.2252538 0.5645783 0.2425982 0.2317204
##   1583      1584      1585      1586      1587      1588      1589
## 0.4384959 0.8150317 0.1598854 0.1920842 0.1599442 0.4852544 1.6865206
##   1590      1591      1592      1593      1594      1595      1596
## 0.2499963 0.1599442 1.4026974 2.1407306 0.1598854 0.2044174 0.8151253
##   1597      1598      1599      1600      1601      1602      1603
## 0.1599736 0.2564714 0.9894361 0.1706544 0.1631889 0.1651051 0.1658316
##   1604      1605      1606      1607      1608      1609      1610
## 0.1981119 0.4241738 0.2028508 0.3870545 1.1846510 0.1604342 0.2373619
##   1611      1612      1613      1614      1615      1616      1617

## 0.2252538 0.4878690 0.2397401 1.5838507 2.0000875 1.0256084 0.1599795

##   1618      1619      1620      1621      1622      1623      1624
## 0.2077633 0.2164150 0.1615607 0.1599442 0.1645771 0.1598854 0.2027909
##   1625      1626      1627      1628      1629      1630      1631
## 0.1633328 2.9087317 0.7580632 0.1701705 0.7145612 0.1727051 1.6865206
##   1632      1633      1634      1635      1636      1637      1638
## 0.1671693 2.5683697 0.1599295 0.5512018 0.1641323 0.3222226 1.2097536
##   1639      1640      1641      1642      1643      1644      1645
## 0.1801734 0.7601023 2.1407306 0.5507629 0.4602088 0.2790851 1.4026974
##   1646      1647      1648      1649      1650      1651      1652
## 0.1601486 1.0212002 0.1606320 0.6849202 0.2413910 0.2081210 0.4066571
##   1653      1654      1655      1656      1657      1658      1659
## 0.9988256 0.1782849 0.3719177 0.1598854 0.1599442 0.1601852 0.1598854
##   1660      1661      1662      1663      1664      1665      1666
## 0.4608264 0.6741216 0.8151253 1.7451165 0.2252538 0.1598854 0.9434257
##   1667      1668      1669      1670      1671      1672      1673
## 3.4694007 1.0685143 0.2282317 0.5177424 0.3252557 0.2044570 0.1701125
##   1674      1675      1676      1677      1678      1679      1680
## 0.4852509 0.2074665 0.1598854 0.4397829 0.1684292 0.1598854 0.1861721
##   1681      1682      1683      1684      1685      1686      1687
## 0.2545392 0.2976161 0.4188562 0.1671157 0.2319978 0.1860348 2.5468675
##   1688      1689      1690      1691      1692      1693      1694
## 0.3783553 0.1598854 1.4478316 0.1601793 2.3995982 0.2688640 0.6075388
##   1695      1696      1697      1698      1699      1700      1701
## 0.2409206 0.1742390 0.9718652 0.1908850 0.2258769 0.9176912 0.1601206
##   1702      1703      1704      1705      1706      1707      1708
## 1.3248056 0.5052089 1.0096297 0.2020342 0.2757486 0.1598854 0.1888335
##   1709      1710      1711      1712      1713      1714      1715
## 0.5994682 0.4179200 0.1617370 0.1599560 0.6430231 0.1609435 0.1612718
##   1716      1717      1718      1719      1720      1721      1722
## 0.1620574 0.2265287 0.7457152 0.2618158 0.4524535 0.1820508 0.2995223
##   1723      1724      1725      1726      1727      1728      1729
## 0.1600001 0.3584164 0.2049371 0.1598854 0.1650405 1.4692561 0.2263212
##   1730      1731      1732      1733      1734      1735      1736
## 0.3985718 0.2082988 1.9786301 1.2050351 0.1633741 0.5994682 0.1600001
##   1737      1738      1739      1740      1741      1742      1743
## 0.6316253 0.2182687 0.1598854 0.1600941 0.4059167 0.1599736 0.1599442

```

	1744	1745	1746	1747	1748	1749	1750
##	1.0255003	0.3367320	0.1600001	0.2819301	0.1618379	0.7242323	0.5262428
##	1751	1752	1753	1754	1755	1756	1757
##	0.1717753	0.2754670	0.1724165	0.6225203	0.2190330	0.9718652	0.1598854
##	1758	1759	1760	1761	1762	1763	1764
##	0.8611919	1.2734550	0.1675184	1.6203234	0.1600471	0.1758438	0.1609044
##	1765	1766	1767	1768	1769	1770	1771
##	0.1598854	0.29992122	0.6378206	0.1650469	0.3536769	0.1781333	0.3582820
##	1772	1773	1774	1775	1776	1777	1778
##	1.0096297	0.4489693	0.1606904	1.3248056	0.7718179	0.6200050	0.1606702
##	1779	1780	1781	1782	1783	1784	1785
##	0.3178206	0.1828101	1.7164993	0.1684783	0.2997008	0.1658171	0.1601206
##	1786	1787	1788	1789	1790	1791	1792
##	0.3076019	0.2757486	1.6234867	0.1598854	0.1645738	2.2266723	0.4017591
##	1793	1794	1795	1796	1797	1798	1799
##	0.8332584	2.7523161	0.5596934	0.1818058	0.7023138	0.4108099	0.2309892
##	1800	1801	1802	1803	1804	1805	1806
##	0.4389733	0.7887240	0.4479524	0.9902357	0.9587468	0.7151516	0.2718934
##	1807	1808	1809	1810	1811	1812	1813
##	0.1645232	1.5999435	1.5509344	0.1598854	1.5999435	0.1816753	2.6988540
##	1814	1815	1816	1817	1818	1819	1820
##	0.3163445	0.2142143	0.3230186	2.1274648	0.2310488	0.2106537	0.1599560
##	1821	1822	1823	1824	1825	1826	1827
##	0.1598854	0.1753686	0.1801221	2.0655578	0.4847768	1.3084323	1.0842134
##	1828	1829	1830	1831	1832	1833	1834
##	0.2730870	0.4990438	1.0059208	0.2170015	0.1622514	0.1617043	0.1966088
##	1835	1836	1837	1838	1839	1840	1841
##	1.1194075	0.1649147	0.1796431	0.2959086	0.5936538	0.2525891	0.1657697
##	1842	1843	1844	1845	1846	1847	1848
##	0.3614983	0.2119771	0.2186036	0.6876236	0.4574057	0.1598854	0.3098205
##	1849	1850	1851	1852	1853	1854	1855
##	0.2318349	0.1614196	0.1599560	0.5962859	0.1606672	0.1599560	0.1625659
##	1856	1857	1858	1859	1860	1861	1862
##	0.5005593	0.3553490	0.1757701	0.1783579	0.1599560	0.1750952	0.4942181
##	1863	1864	1865	1866	1867	1868	1869
##	0.2589989	1.7275439	0.1598854	0.1672683	0.8331566	1.7010034	0.2533229
##	1870	1871	1872	1873	1874	1875	1876
##	2.3333819	0.3676530	0.7330748	0.6134467	0.1655254	0.3098205	0.1599736
##	1877	1878	1879	1880	1881	1882	1883
##	0.1599560	0.3681387	0.1834404	0.1598854	0.1599560	0.2249069	0.1598854
##	1884	1885	1886	1887	1888	1889	1890
##	1.2069434	0.9817907	0.2589561	0.1860019	0.1599560	0.3525816	0.9121309
##	1891	1892	1893	1894	1895	1896	1897
##	0.6015050	0.1628421	1.0728169	0.1868304	0.2025751	2.0054361	0.2403765
##	1898	1899	1900	1901	1902	1903	1904
##	1.1194075	0.1598854	0.3488418	2.5082153	0.5471990	0.1719486	0.7656204
##	1905	1906	1907	1908	1909	1910	1911
##	0.1599442	0.1857478	0.1599560	0.1598854	0.1698059	0.2822336	0.4619748
##	1912	1913	1914	1915	1916	1917	1918
##	0.1634715	1.0584384	0.9145794	0.3314020	0.3614983	0.3814943	0.1608523

	1919	1920	1921	1922	1923	1924	1925
##	2.3223841	0.4750983	0.5936538	0.5435237	0.4973353	0.2255350	0.4222328
##	1926	1927	1928	1929	1930	1931	1932
##	0.6647839	0.1769495	0.1604497	0.1724436	0.2174495	0.2186036	0.1598854
##	1933	1934	1935	1936	1937	1938	1939
##	2.3169578	0.1599560	1.3002176	0.3129618	0.3811097	2.3508969	0.2220286
##	1940	1941	1942	1943	1944	1945	1946
##	0.2837634	0.2062315	0.2062397	0.6209162	0.4539160	0.7501525	1.7706752
##	1947	1948	1949	1950	1951	1952	1953
##	0.3100005	0.1970186	0.2392520	1.6288436	0.8366051	0.6241834	0.8366051
##	1954	1955	1956	1957	1958	1959	1960
##	0.3228799	0.1718490	0.6819434	0.7255427	1.9665132	0.4779915	1.2675223
##	1961	1962	1963	1964	1965	1966	1967
##	0.1780058	0.2346832	0.2037630	0.4099423	1.5621555	2.2440244	1.0935413
##	1968	1969	1970	1971	1972	1973	1974
##	0.3475119	0.1949238	0.1719940	0.1598854	0.1602381	1.8193269	0.1598854
##	1975	1976	1977	1978	1979	1980	1981
##	0.2215996	1.3420253	1.2529539	1.0243437	0.5100700	0.3589771	0.6031146
##	1982	1983	1984	1985	1986	1987	1988
##	0.4240059	0.1829456	0.4926842	0.4313814	0.1630537	0.1598854	0.2186246
##	1989	1990	1991	1992	1993	1994	1995
##	0.1618223	0.2174301	0.1694423	0.2776076	0.1651253	0.2547469	0.3495700
##	1996	1997	1998	1999	2000	2001	2002
##	0.1892464	0.3240915	0.2376388	0.1647789	0.1602381	0.2475022	0.1602381
##	2003	2004	2005	2006	2007	2008	2009
##	0.2251213	0.3393060	0.3181437	0.1647323	1.0243437	0.1602381	0.3967095
##	2010	2011	2012	2013	2014	2015	2016
##	0.1615901	0.3005291	1.0243437	1.1318650	2.4986550	1.3550074	1.3200248
##	2017	2018	2019	2020	2021	2022	2023
##	0.1667275	0.2872292	0.4195611	0.3017944	0.9354648	0.5652098	0.1693697
##	2024	2025	2026	2027	2028	2029	2030
##	0.2376388	1.0728681	0.6727139	0.1598854	0.1602381	0.2958152	0.1602381
##	2031	2032	2033	2034	2035	2036	2037
##	0.2224432	1.1069384	0.4138660	0.7838120	1.6393668	0.2065119	0.1602381
##	2038	2039	2040	2041	2042	2043	2044
##	0.5037806	0.2964253	0.7376235	0.1666158	0.3210232	0.1853581	0.1598854
##	2045	2046	2047	2048	2049	2050	2051
##	0.6676959	0.1651727	0.1598854	1.3550074	0.3628440	1.2832452	0.4625205
##	2052	2053	2054	2055	2056	2057	2058
##	0.1621867	0.2121456	0.1602381	0.1797150	0.3013940	0.1598854	0.4015418
##	2059	2060	2061	2062	2063	2064	2065
##	0.4880635	0.1599736	0.2547469	0.1607139	1.5155540	2.5801302	1.5771810
##	2066	2067	2068	2069	2070	2071	2072
##	0.3056212	0.5012676	0.1952663	1.0063142	2.6220558	1.1672464	0.1599295
##	2073	2074	2075	2076	2077	2078	2079
##	1.6288436	1.3550074	0.1665936	1.1054459	0.1602381	0.4103692	0.3367272
##	2080	2081	2082	2083	2084	2085	2086
##	0.2011206	2.6370614	0.1756317	0.1604882	0.1841893	0.1896119	0.2180948
##	2087	2088	2089	2090	2091	2092	2093
##	0.2754493	0.2917996	0.1631933	0.4277781	0.5369608	0.2268313	0.1842450

```

## 2094      2095      2096      2097      2098      2099      2100
## 0.1846574 1.4484513 0.6501072 0.3613233 0.3372985 0.3613233 0.2341585
## 2101      2102      2103      2104      2105      2106      2107
## 0.1710077 0.5503257 0.3833527 1.5738828 0.4467543 0.7025933 0.1756704
## 2108      2109      2110      2111      2112      2113      2114
## 0.2124047 0.3703138 1.4484513 1.1674954 0.8119869 0.2828725 0.2514313
## 2115      2116      2117      2118      2119      2120      2121
## 0.1598854 0.5963507 0.1599442 0.1706009 0.4711364 0.8961208 0.3883301
## 2122      2123      2124      2125      2126      2127      2128
## 0.2292202 0.2524009 0.2967404 0.1599442 0.1696283 0.1598854 0.5967138
## 2129      2130      2131      2132      2133      2134      2135
## 0.1857459 0.1715293 0.1981684 0.1606349 0.1757923 0.2792093 0.2406806
## 2136      2137      2138      2139      2140      2141      2142

## 0.1636033 0.1732081 0.1793647 0.8961208 0.2283206 0.1625364 0.8961208

## 2143      2144      2145      2146      2147      2148      2149
## 0.7225556 0.5779926 0.9631150 0.8148004 0.8151393 0.5893898 0.2702862
## 2150      2151      2152      2153      2154      2155      2156
## 0.2100683 0.4372221 0.6613306 0.2786902 0.3586188 1.1912466 0.1598854
## 2157      2158      2159      2160      2161      2162      2163
## 0.1631376 1.0800316 0.4544459 1.1796889 0.9204983 1.0083058 0.1690215
## 2164      2165      2166      2167      2168      2169      2170
## 0.1598854 0.2051785 0.4846378 0.2553164 0.4765377 0.1634445 0.3826360
## 2171      2172      2173      2174      2175      2176      2177
## 0.1615716 0.1616492 0.1598854 0.3146229 0.2050359 2.5948496 0.1933342
## 2178      2179      2180      2181      2182      2183      2184
## 0.1599295 0.8151393 0.8234681 2.0018993 0.2052953 0.1598854 0.2138157
## 2185      2186      2187      2188      2189      2190      2191
## 0.3030104 0.1598854 0.6975133 0.6122856 2.3367038 1.5483286 0.7947908
## 2192      2193      2194      2195      2196      2197      2198
## 0.4259503 0.5571667 0.1851053 0.8525616 0.6650254 0.5611565 1.2592592
## 2199      2200      2201      2202      2203      2204      2205
## 0.4744761 0.5779926 0.6501072 0.2430356 1.3506167 0.8151393 0.1702216
## 2206      2207      2208      2209      2210      2211      2212
## 0.1599295 0.1719213 1.5665104 0.7056090 0.7097813 0.3243698 1.1959727
## 2213      2214      2215      2216      2217      2218      2219
## 0.1598854 0.1603413 0.2587407 0.1739330 0.2188100 0.1606208 1.0163888
## 2220      2221      2222      2223      2224      2225      2226
## 0.2672360 0.3291879 1.0860113 0.6200847 0.3276298 0.1707491 0.3247238
## 2227      2228      2229      2230      2231      2232      2233
## 0.2388048 0.9169382 0.3253551 0.3689892 0.1813765 1.0860113 0.4300030
## 2234      2235      2236      2237      2238      2239      2240
## 0.4048777 0.2143125 0.1598854 0.2685469 0.2756326 0.2974392 0.1604439
## 2241      2242      2243      2244      2245      2246      2247
## 0.1598854 0.2498136 0.4007564 0.1601558 1.2244776 0.1598854 1.1768243
## 2248      2249      2250      2251      2252      2253      2254
## 0.9852315 0.1841710 0.9795271 0.1729259 1.1933726 0.4677230 0.1607976
## 2255      2256      2257      2258      2259      2260      2261
## 0.1746581 0.2519390 0.1845920 0.1636033 0.8354085 0.1788976 0.2974392
## 2262      2263      2264      2265      2266      2267      2268
## 0.2113071 0.2974392 0.3712749 0.4590943 0.4506719 0.7624352 0.4472441

```

##	2269	2270	2271	2272	2273	2274	2275
##	0.5898368	0.2685952	0.2350329	0.2240493	0.3764140	0.1614679	0.6053625
##	2276	2277	2278	2279	2280	2281	2282
##	0.1606940	0.9126965	0.2799074	0.6018904	0.1678708	0.1598854	0.1888701
##	2283	2284	2285	2286	2287	2288	2289
##	2.1387963	0.2714142	0.1622204	0.1598854	0.1606734	0.1598854	0.1735472
##	2290	2291	2292	2293	2294	2295	2296
##	0.1600001	2.1659762	1.1933726	0.1598854	0.7624352	1.1933726	0.4362708
##	2297	2298	2299	2300	2301	2302	2303
##	0.1598854	0.1598854	0.3227461	2.5045637	1.5496427	0.1683820	0.5561324
##	2304	2305	2306	2307	2308	2309	2310
##	0.9628878	1.0132007	0.2874109	0.5811400	0.5568968	0.1803714	1.3209578
##	2311	2312	2313	2314	2315	2316	2317
##	1.9899299	0.3005505	0.4106948	0.3712749	0.6200847	0.1917160	1.1940784
##	2318	2319	2320	2321	2322	2323	2324
##	0.7624352	0.1598854	0.1776284	3.2606693	0.1660986	1.0342948	0.2675604
##	2325	2326	2327	2328	2329	2330	2331
##	0.2789602	0.5772597	0.1598854	0.1603413	0.6540077	0.1730107	0.1606208
##	2332	2333	2334	2335	2336	2337	2338
##	0.8355387	0.2714951	0.9062022	0.5212553	0.9062022	0.1600533	0.1598854
##	2339	2340	2341	2342	2343	2344	2345
##	0.2235948	0.1598854	0.6702853	0.5506890	0.1754353	0.5317978	0.1598854
##	2346	2347	2348	2349	2350	2351	2352
##	0.7218079	0.8292296	0.1748927	1.3716816	0.1844287	1.4483138	0.1603821
##	2353	2354	2355	2356	2357	2358	2359
##	0.3960326	0.1653744	0.2498975	0.1747240	0.2802353	0.4285479	0.1607599
##	2360	2361	2362	2363	2364	2365	2366
##	1.1302769	0.1670457	0.9845205	0.3551374	0.5284133	1.7819443	0.3464831
##	2367	2368	2369	2370	2371	2372	2373
##	0.2268627	0.1642737	0.1972639	0.1607801	0.3394553	1.1373999	0.1606499
##	2374	2375	2376	2377	2378	2379	2380
##	0.5639921	0.1621197	0.1716330	0.1598854	0.1792618	1.6235446	0.1663363
##	2381	2382	2383	2384	2385	2386	2387
##	0.1598854	0.2804191	0.6519219	0.1608894	0.1630458	0.1624483	0.1598854
##	2388	2389	2390	2391	2392	2393	2394
##	1.8397940	1.4483138	0.1598854	1.4483138	0.3252057	0.7058010	0.2907592
##	2395	2396	2397	2398	2399	2400	2401
##	0.5633266	0.1598854	0.8408376	0.4792554	0.4397718	1.2522034	0.3936970
##	2402	2403	2404	2405	2406	2407	2408
##	0.2705786	1.0262695	0.1603586	0.7386146	0.2554280	0.3551374	0.1831020
##	2409	2410	2411	2412	2413	2414	2415
##	1.1828850	0.1598854	0.1600618	0.1690467	1.5087616	2.7280367	0.5117071
##	2416	2417	2418	2419	2420	2421	2422
##	0.1598854	1.1413845	0.3989458	0.1886145	0.1598854	0.5793305	0.2910216
##	2423	2424	2425	2426	2427	2428	2429
##	0.6553704	1.1819470	0.4331869	0.1940386	1.1791172	0.3772565	1.7871239
##	2430	2431	2432	2433	2434	2435	2436
##	1.2630513	0.3577147	0.1599295	1.0734570	1.1672473	2.1864949	0.2352072
##	2437	2438	2439	2440	2441	2442	2443
##	0.1598854	0.1598854	0.1600177	0.3870103	0.6690715	2.5054383	0.1737357

```

##   2444    2445    2446    2447    2448    2449    2450
## 0.3494892 0.7295275 1.5059252 0.1735099 0.4575537 0.1600324 0.1642518
##   2451    2452    2453    2454    2455    2456    2457
## 1.9408951 0.7005286 0.1618370 0.5562456 0.1599442 0.5872855 0.1931071
##   2458    2459    2460    2461    2462    2463    2464
## 0.2792622 0.3315265 0.1598854 1.5059252 0.6393331 0.1599442 2.5054383
##   2465    2466    2467    2468    2469    2470    2471
## 1.0585898 0.2016656 0.5233717 0.2914154 0.7007845 1.5059252 0.2423815
##   2472    2473    2474    2475    2476    2477    2478
## 0.1602469 0.1813315 0.1604444 0.5398432 0.5498621 2.8062512 0.3343348
##   2479    2480    2481    2482    2483    2484    2485
## 0.2719965 0.1607704 0.2883065 0.2626461 0.3703504 0.5353773 0.3013375
##   2486    2487    2488    2489    2490    2491    2492
## 0.2550911 0.7416232 0.8830520 0.1598854 0.1598854 0.5562456 0.4033240
##   2493    2494    2495    2496    2497    2498    2499

## 0.5562456 0.4490473 0.1956563 0.1598854 0.4018253 0.2896753 0.1750480
##   2500    2501    2502    2503    2504    2505    2506
## 0.2239921 0.8067126 0.1599442 0.2619396 0.2010669 0.4856236 0.1702290
##   2507    2508    2509    2510    2511    2512    2513
## 0.1599442 0.2677588 0.4911075 2.5327485 0.5699366 0.1598854 0.2752487
##   2514    2515    2516    2517    2518    2519    2520
## 0.1643674 0.3493280 0.8077949 0.6340182 0.2257823 1.6164665 0.5116504
##   2521    2522    2523    2524    2525    2526    2527
## 1.4086024 0.2543300 1.8488625 0.3433564 0.3749897 0.9887820 0.1598854
##   2528    2529    2530    2531    2532    2533    2534
## 0.1600941 0.5472849 0.7994458 1.7345532 0.4836624 0.7650964 0.5029215
##   2535    2536    2537    2538    2539    2540    2541
## 2.3368366 0.2933721 0.1994537 0.6026100 0.3817849 2.1290862 0.3764272
##   2542    2543    2544    2545    2546    2547    2548
## 1.5258619 0.1691152 0.2805830 1.7254135 1.0754169 1.4479878 0.1598854
##   2549    2550    2551    2552    2553    2554    2555
## 0.1659376 0.3357295 0.3740303 0.4700921 0.1608083 0.1601206 0.1603106
##   2556    2557    2558    2559    2560    2561    2562
## 0.2219423 1.1459520 0.2436355 0.3361572 1.8782131 0.1599207 1.0754169
##   2563    2564    2565    2566    2567    2568    2569
## 0.3677038 0.5022182 0.1603322 1.5258619 0.6230991 0.1742558 0.1809294
##   2570    2571    2572    2573    2574    2575    2576
## 0.3390941 0.1598854 0.2564264 0.2189613 0.3607016 1.0754169 0.6671052
##   2577    2578    2579    2580    2581    2582    2583
## 0.1601147 1.0824263 0.3764190 0.8112788 1.7588966 0.1858417 0.1960013
##   2584    2585    2586    2587    2588    2589    2590
## 0.3978097 0.1606234 0.1738740 0.2034003 0.9256073 0.1669097 2.3368366
##   2591    2592    2593    2594    2595    2596    2597
## 0.5118048 0.2139943 2.1925236 0.3611708 0.1961253 0.2730226 0.1696670
##   2598    2599    2600    2601    2602    2603    2604
## 0.2711679 0.1598854 0.8670883 0.2137028 0.2133451 0.1751758 2.6234173
##   2605    2606    2607    2608    2609    2610    2611
## 0.3683070 2.0923488 0.1687555 0.1953469 0.6370739 0.1601206 0.2894331
##   2612    2613    2614    2615    2616    2617    2618
## 0.1612374 0.1601206 0.1900494 0.2319847 0.3350208 0.4354197 0.4420857

```

```

##   2619      2620      2621      2622      2623      2624      2625
## 0.2650806 0.2794471 0.1974532 1.5170124 0.1635724 0.3240701 1.1932407
##   2626      2627      2628      2629      2630      2631      2632
## 0.1943658 1.6736321 0.5281251 0.2260057 0.9154667 0.3079577 0.8396878
##   2633      2634      2635      2636      2637      2638      2639
## 0.2425296 0.8785111 1.5992003 0.2683418 0.2705933 0.1598854 0.3369804
##   2640      2641      2642      2643      2644      2645      2646
## 0.2966779 0.4392917 1.1105152 0.4569988 0.5171429 0.2317955 0.3152201
##   2647      2648      2649      2650      2651      2652      2653
## 0.2545289 1.2225625 0.2506261 0.2423526 0.2620466 0.2942918 0.2815046
##   2654      2655      2656      2657      2658      2659      2660
## 0.5545440 0.8135990 0.8727450 2.6781586 3.8402713 0.8427079 0.9628766
##   2661      2662      2663      2664      2665      2666      2667

## 0.3742541 2.2182975 0.1598854 0.1687236 0.2688306 0.2538861 0.3343025

##   2668      2669      2670      2671      2672      2673      2674
## 0.5300340 0.2394292 0.1609914 0.8362440 0.1600618 0.3760122 0.2025340
##   2675      2676      2677      2678      2679      2680      2681
## 0.9410487 1.4435753 0.3748636 0.9628766 0.2025823 0.1609288 0.8727450
##   2682      2683      2684      2685      2686      2687      2688
## 0.1999579 0.2214820 0.2625100 0.1598854 0.2278746 0.2036807 0.9628766
##   2689      2690      2691      2692      2693      2694      2695
## 0.2594899 0.2744709 0.6053205 0.5789223 0.7592653 0.1895072 0.1662555
##   2696      2697      2698      2699      2700      2701      2702
## 0.1755446 0.2902289 0.1761070 0.1895519 0.3311576 0.4529082 0.1672860
##   2703      2704      2705      2706      2707      2708      2709
## 1.9257299 1.2225625 0.2363696 0.1791635 1.0215914 0.2225162 0.1601852
##   2710      2711      2712      2713      2714      2715      2716
## 1.3245370 0.2014268 0.1598854 1.5466963 0.8860126 0.9280448 0.1958468
##   2717      2718      2719      2720      2721      2722      2723
## 0.1760509 0.3868166 1.5560864 0.1609984 0.1602293 1.4235595 0.1598854
##   2724      2725      2726      2727      2728      2729      2730
## 1.5839879 0.1812312 1.3760595 0.1756198 0.2889747 1.6891282 0.3408851
##   2731      2732      2733      2734      2735      2736      2737
## 1.7450267 0.5029017 0.3264953 0.2572011 0.2388097 0.1598854 0.8346790
##   2738      2739      2740      2741      2742      2743      2744
## 0.2026280 0.1652385 0.1868264 0.5890615 0.3124927 0.1881879 0.3095599
##   2745      2746      2747      2748      2749      2750      2751
## 1.5156010 0.2402701 1.6891282 0.1793952 0.7053426 0.1621793 0.3305331
##   2752      2753      2754      2755      2756      2757      2758
## 0.1956245 0.8201385 0.2740981 0.7655803 0.1602440 0.7107814 0.3459765
##   2759      2760      2761      2762      2763      2764      2765
## 1.9374305 0.2131933 0.5383596 0.1988635 0.1850980 0.2850558 0.7855813
##   2766      2767      2768      2769      2770      2771      2772
## 0.8876525 0.2845841 0.2592052 1.2140453 0.2276534 0.3371208 0.2313075
##   2773      2774      2775      2776      2777      2778      2779
## 0.2501877 0.1602440 1.1769079 0.2354870 0.1719764 1.0795218 0.2516421
##   2780      2781      2782      2783      2784      2785      2786
## 1.2043799 0.4704001 0.2131933 0.3672270 1.4454000 1.1769079 3.3093835
##   2787      2788      2789      2790      2791      2792      2793
## 0.5343213 0.2370547 0.8936503 0.1902986 0.3743912 0.2122366 0.2561711

```

	2794	2795	2796	2797	2798	2799	2800
##	1.1769079	0.2131933	0.1600618	0.3608600	0.1888360	0.7324510	2.7255515
##	2801	2802	2803	2804	2805	2806	2807
##	1.8438614	1.1128648	0.5848107	0.2273002	0.2340887	0.1610170	0.1922681
##	2808	2809	2810	2811	2812	2813	2814
##	0.3637689	0.1598854	0.2622623	0.2197171	0.1677756	0.2005258	0.8268916
##	2815	2816	2817	2818	2819	2820	2821
##	0.3343592	0.1601500	0.6251544	0.2314607	0.2408456	0.6305374	0.1626511
##	2822	2823	2824	2825	2826	2827	2828
##	2.0864681	0.1631915	0.5796774	0.3371208	0.8039764	0.1629550	0.3175940
##	2829	2830	2831	2832	2833	2834	2835
##	0.1600677	0.4034613	0.1817401	2.4814709	0.1963501	0.5442694	0.7629562
##	2836	2837	2838	2839	2840	2841	2842
##	0.3874644	0.3058764	0.5280646	0.1598854	0.2298307	0.1598854	1.8685953
##	2843	2844	2845	2846	2847	2848	2849
##	0.2131933	0.7331617	0.1598854	0.4216781	0.8205587	0.8850128	0.2483762
##	2850	2851	2852	2853	2854	2855	2856
##	0.1670537	0.9190063	0.2775446	0.2154686	0.7268234	0.3282953	0.2160790
##	2857	2858	2859	2860	2861	2862	2863
##	0.2044200	0.2375425	0.1598854	1.3999447	1.4622499	0.2724285	0.3344980
##	2864	2865	2866	2867	2868	2869	2870
##	1.7628566	0.2183016	0.1900249	1.2107751	0.7140521	0.2937452	1.0958786
##	2871	2872	2873	2874	2875	2876	2877
##	0.2331058	1.6716686	0.9190063	0.1731455	0.4681926	1.2913160	0.2831275
##	2878	2879	2880	2881	2882	2883	2884
##	0.3222551	0.1598854	0.4119995	0.4350937	0.4273071	0.2131933	0.2836801
##	2885	2886	2887	2888	2889	2890	2891
##	2.0864681	1.0300441	0.1598854	1.8230560	0.4187610	0.1953804	0.5228103
##	2892	2893	2894	2895	2896	2897	2898
##	1.1244257	1.4397717	0.2513097	0.4012255	0.7022897	0.3343176	0.3282931
##	2899	2900	2901	2902	2903	2904	2905
##	0.8980233	0.2091345	0.2922297	0.1936185	0.1598854	0.1620666	0.2078618
##	2906	2907	2908	2909	2910	2911	2912
##	1.1180215	0.1613376	0.6557209	0.1714358	0.5958381	0.1600912	0.1953804
##	2913	2914	2915	2916	2917	2918	2919
##	0.2639034	0.5943462	0.2555671	1.1180215	0.3374269	0.2746731	2.8843154
##	2920	2921	2922	2923	2924	2925	2926
##	0.7802352	1.7338139	0.5421191	0.1842499	0.1995681	0.4196298	0.2098229
##	2927	2928	2929	2930	2931	2932	2933
##	1.1180215	0.1953804	0.4081430	1.1737316	0.7003898	1.3449181	0.4528488
##	2934	2935	2936	2937	2938	2939	2940
##	0.2183317	0.2746731	0.2081047	0.5843809	0.3640603	0.3569146	0.1717797
##	2941	2942	2943	2944	2945	2946	2947
##	0.1622954	0.5095765	0.1620339	0.2772420	0.5472037	1.5134731	0.1604145
##	2948	2949	2950	2951	2952	2953	2954
##	2.4906510	0.5745718	0.4984289	1.7145131	0.1601206	0.1598854	2.3657822
##	2955	2956	2957	2958	2959	2960	2961
##	0.4566052	0.3272664	0.2726753	0.3315037	0.1598854	1.0589462	0.2670142
##	2962	2963	2964	2965	2966	2967	2968
##	0.9365888	1.3496352	0.2158268	1.4783732	0.2811530	0.1599736	0.4519159

##	2969	2970	2971	2972	2973	2974	2975
##	0.3462056	2.4364181	0.1661016	0.3370118	0.1628107	1.9409156	1.2375177
##	2976	2977	2978	2979	2980	2981	2982
##	1.1511616	0.1703999	0.2928312	0.3885288	0.2995799	0.6674035	0.1641529
##	2983	2984	2985	2986	2987	2988	2989
##	0.5152485	1.4345795	0.1599442	0.2116841	0.1599442	0.2746731	1.2369756
##	2990	2991	2992	2993	2994	2995	2996
##	0.1953804	0.1599295	0.3651921	0.3891672	0.3808068	0.7725105	0.2057138
##	2997	2998	2999	3000	3001	3002	3003
##	0.1599883	0.5263864	0.2066625	0.3163842	0.2409054	0.2056516	0.1740711
##	3004	3005	3006	3007	3008	3009	3010
##	0.8980233	0.1863869	0.2072601	0.4658152	0.1599442	1.0516298	1.0245486
##	3011	3012	3013	3014	3015	3016	3017
##	0.5621036	1.3553531	0.9682276	0.2761176	0.1985472	0.3232020	0.7413215
##	3018	3019	3020	3021	3022	3023	3024
##	0.2178396	0.2258407	0.4226267	0.3343863	0.6748897	0.6437180	0.5263864
##	3025	3026	3027	3028	3029	3030	3031
##	0.8980233	0.1919634	1.2192037	0.5298293	0.2024379	0.1598854	0.3976767
##	3032	3033	3034	3035	3036	3037	3038
##	0.2456034	0.2013949	0.2935596	0.1729797	0.1953804	0.1600236	1.4783732
##	3039	3040	3041	3042	3043	3044	3045
##	0.2935294	0.1598854	0.2512533	0.2363387	0.8014757	0.2787063	0.1918010
##	3046	3047	3048	3049	3050	3051	3052
##	0.2734131	0.1606290	0.3417385	0.4158571	0.4704511	0.2724535	0.2935484
##	3053	3054	3055	3056	3057	3058	3059
##	0.9273182	0.1988894	0.2494431	0.1790719	0.1598854	0.1618083	0.1624806
##	3060	3061	3062	3063	3064	3065	3066
##	0.9571325	0.4539326	0.1599912	0.2284112	0.1603851	0.1918010	0.2340229
##	3067	3068	3069	3070	3071	3072	3073
##	0.2060380	0.9571325	0.3654915	0.2213901	0.1854355	0.2749990	0.3985489
##	3074	3075	3076	3077	3078	3079	3080
##	0.8763290	0.1612248	0.7782471	0.2831742	0.9571325	0.1918010	0.2640567
##	3081	3082	3083	3084	3085	3086	3087
##	0.1608995	1.2623859	1.0164710	0.1604145	0.5960790	0.7870083	0.3026889
##	3088	3089	3090	3091	3092	3093	3094
##	0.2561752	0.2023387	0.1854355	0.3535815	0.1607621	0.1791794	0.4772043
##	3095	3096	3097	3098	3099	3100	3101
##	0.2170515	0.1620956	0.1602211	0.6414360	0.1601940	0.2629029	0.5120834
##	3102	3103	3104	3105	3106	3107	3108
##	1.2442506	0.1602234	1.6347459	0.4411672	0.3247090	0.9231920	0.1602528
##	3109	3110	3111	3112	3113	3114	3115
##	0.1598854	1.9260924	0.4172791	0.2380459	0.1891033	0.1627863	0.7604428
##	3116	3117	3118	3119	3120	3121	3122
##	0.3835966	0.3352425	0.4670139	1.2564450	0.1990157	0.1599736	1.9473265
##	3123	3124	3125	3126	3127	3128	3129
##	0.3247372	1.6715435	0.1598854	1.7151883	0.6200681	0.4685462	0.1699680
##	3130	3131	3132	3133	3134	3135	3136
##	0.1843557	0.4216016	0.5960790	0.2490163	0.1629744	0.2934741	0.5489325
##	3137	3138	3139	3140	3141	3142	3143
##	0.1965051	0.1854355	2.5567110	0.3418355	0.1918010	0.2677288	0.4320158

```

##   3144      3145      3146      3147      3148      3149      3150
## 0.1600471 0.1905215 0.1796006 1.1295886 0.9273182 0.2530843 0.4903923
##   3151      3152      3153      3154      3155      3156      3157
## 0.4677080 0.4875983 0.5105714 0.1821903 0.7966306 0.1915712 0.5998672
##   3158      3159      3160      3161      3162      3163      3164
## 0.2464827 0.3370292 0.2116316 0.3089292 0.7863847 0.3393353 0.5960790
##   3165      3166      3167      3168      3169      3170      3171
## 0.9273182 0.1850818 0.9562218 0.4283469 0.2017603 0.1598854 0.2236568
##   3172      3173      3174      3175      3176      3177      3178
## 0.2082503 0.1681750 0.2175982 0.1918010 1.2598007 0.1598854 1.2564450
##   3179      3180      3181      3182      3183      3184      3185
## 0.4611621 0.2417366 0.1782530 0.5007803 0.3330475 0.1601206 0.3916308
##   3186      3187      3188      3189      3190      3191      3192

## 0.2552684 0.3810051 0.2117066 0.7565565 0.1792026 0.2512922 0.1728438

##   3193      3194      3195      3196      3197      3198      3199
## 0.1633682 1.3814819 0.1598854 0.2010237 0.1603263 0.3229742 0.2108205
##   3200      3201      3202      3203      3204      3205      3206
## 0.4406026 0.1921516 0.1790006 0.1743883 0.3039848 0.7022683 0.1598854
##   3207      3208      3209      3210      3211      3212      3213
## 0.2554057 0.8299189 0.2883702 0.2206047 0.3684372 0.1599207 0.7738455
##   3214      3215      3216      3217      3218      3219      3220
## 0.1609123 0.4196526 0.3784041 0.3766058 0.3360266 0.2181446 0.1848528
##   3221      3222      3223      3224      3225      3226      3227
## 0.1868069 0.1790006 0.3084698 0.1610560 0.2000762 0.5398461 0.1599207
##   3228      3229      3230      3231      3232      3233      3234
## 0.1598854 0.1608925 0.5712414 0.1608700 0.1762474 0.3553009 0.5245705
##   3235      3236      3237      3238      3239      3240      3241
## 1.1772919 0.1600471 1.4736216 0.3724602 0.1681676 0.2173576 0.7290496
##   3242      3243      3244      3245      3246      3247      3248
## 0.1598854 2.2925658 0.3138764 0.2568906 0.1903627 0.5214783 0.2623329
##   3249      3250      3251      3252      3253      3254      3255
## 1.2301218 1.8972235 0.1665308 1.1037348 0.1802555 0.1599736 1.1139002
##   3256      3257      3258      3259      3260      3261      3262
## 2.0321882 0.5837111 0.1598854 1.2429133 0.5824203 0.1711437 0.1866305
##   3263      3264      3265      3266      3267      3268      3269
## 0.7616055 0.3784041 0.2055603 0.1626334 0.2189122 0.4678304 0.1790006
##   3270      3271      3272      3273      3274      3275      3276
## 1.3514286 0.5127175 0.3689974 0.2084507 0.1722274 0.9984022 0.7565565
##   3277      3278      3279      3280      3281      3282      3283
## 1.5742958 0.1650634 0.2123464 0.3043624 0.3537318 0.5685581 0.1752944
##   3284      3285      3286      3287      3288      3289      3290
## 0.6430283 0.2331746 0.2054296 0.2547323 0.3784041 0.7565565 0.1766696
##   3291      3292      3293      3294      3295      3296      3297
## 0.8101182 0.2546874 0.1892813 0.1683485 0.1743757 1.3404102 0.9900167
##   3298      3299      3300      3301      3302      3303      3304
## 0.1598854 0.1896457 0.6415886 0.1923108 0.3201384 0.1614500 0.8885931
##   3305      3306      3307      3308      3309      3310      3311
## 0.1598854 1.6156174 0.3089953 0.2546031 0.2677609 0.2600049 1.2385856
##   3312      3313      3314      3315      3316      3317      3318
## 0.6325405 0.1790508 1.6244252 0.2048428 1.0093871 2.1482397 0.1930460

```

##	3319	3320	3321	3322	3323	3324	3325
##	0.2204935	0.1604342	0.1600588	0.3642287	0.1735360	0.1598854	1.2385856
##	3326	3327	3328	3329	3330	3331	3332
##	0.1618315	0.4281218	1.2385856	0.2771387	0.3702177	0.1974186	0.1703123
##	3333	3334	3335	3336	3337	3338	3339
##	0.1599560	0.3301374	0.1606857	0.2792302	0.3361497	0.1600618	2.7801142
##	3340	3341	3342	3343	3344	3345	3346
##	0.1867856	0.2480260	0.1621141	0.1598854	0.1598854	1.7871590	0.1613275
##	3347	3348	3349	3350	3351	3352	3353
##	0.2344264	0.6859489	0.1598854	1.2489487	0.1608289	0.2726149	0.2436799
##	3354	3355	3356	3357	3358	3359	3360
##	0.9734676	0.9623746	1.0142810	2.6914115	0.1694248	0.7044933	1.6584240
##	3361	3362	3363	3364	3365	3366	3367
##	0.1657928	0.9917681	1.1201681	0.1603901	0.5924574	0.1869032	0.5059324
##	3368	3369	3370	3371	3372	3373	3374
##	0.1622837	0.3361497	1.4635679	1.7889440	0.2143970	0.3844306	0.3258777
##	3375	3376	3377	3378	3379	3380	3381
##	0.4069012	1.3335747	0.7944934	0.1599442	0.3952811	0.5452025	0.2027404
##	3382	3383	3384	3385	3386	3387	3388
##	0.1968560	0.3052633	2.0131985	0.2001424	0.3361497	0.8128316	2.8905405
##	3389	3390	3391	3392	3393	3394	3395
##	0.1845983	0.1769537	1.2602198	0.3551309	0.1598854	0.1841659	0.5699704
##	3396	3397	3398	3399	3400	3401	3402
##	0.7106676	0.5313827	0.1653023	0.4071642	0.6239768	0.6796907	0.1703497
##	3403	3404	3405	3406	3407	3408	3409
##	0.2256067	0.2409417	0.4776585	0.8274640	0.3751752	1.0520486	0.9129046
##	3410	3411	3412	3413	3414	3415	3416
##	0.1685261	0.9418923	0.2275145	0.2109920	0.3895597	0.8469171	0.1815865
##	3417	3418	3419	3420	3421	3422	3423
##	0.1605929	0.2234028	0.1611231	1.3296428	0.1598854	0.1598854	0.8274640
##	3424	3425	3426	3427	3428	3429	3430
##	0.1618386	0.8274640	0.2647537	0.2201580	0.1636448	0.2242200	0.2145022
##	3431	3432	3433	3434	3435	3436	3437
##	2.4558595	0.1598854	0.1612718	0.1649265	1.9343022	0.1761179	0.5235710
##	3438	3439	3440	3441	3442	3443	3444
##	0.1598854	1.5825326	0.2419609	0.1615038	0.1856568	0.1664797	0.2490156
##	3445	3446	3447	3448	3449	3450	3451
##	0.1598854	0.4538716	0.2263225	0.1605350	0.1859516	0.4962063	0.1626409
##	3452	3453	3454	3455	3456	3457	3458
##	0.1980317	0.5195208	0.8430262	0.3814951	0.4015337	0.3263448	1.2162677
##	3459	3460	3461	3462	3463	3464	3465
##	0.1640758	1.7542063	0.3810344	0.1686311	1.5308794	0.3871083	0.5185802
##	3466	3467	3468	3469	3470	3471	3472
##	0.2991555	0.3140888	0.1598854	0.7807115	0.4925662	1.2805739	0.3143002
##	3473	3474	3475	3476	3477	3478	3479
##	0.1764706	1.3816455	0.1598854	0.1612302	0.5192291	0.3944089	0.1708117
##	3480	3481	3482	3483	3484	3485	3486
##	0.5045859	0.7587408	0.8704790	1.7573435	0.4502304	1.5741586	0.1599442
##	3487	3488	3489	3490	3491	3492	3493
##	0.6966508	0.2987206	3.6491056	2.7283568	1.3149301	0.1726722	0.2285265

##	3494	3495	3496	3497	3498	3499	3500
##	1.4819523	0.3467124	1.5632086	1.4948871	0.1796533	1.7138821	0.9303027
##	3501	3502	3503	3504	3505	3506	3507
##	0.1599295	0.6045247	0.2503253	0.2051290	0.2698096	0.3474260	0.4418818
##	3508	3509	3510	3511	3512	3513	3514
##	0.3511758	0.5434210	0.1600618	0.4013062	0.1602352	0.4225117	0.3446856
##	3515	3516	3517	3518	3519	3520	3521
##	0.1599295	3.0221299	0.1936105	0.4040595	1.4814677	0.3158519	0.4757443
##	3522	3523	3524	3525	3526	3527	3528
##	0.2706432	1.0659530	0.2571360	0.8651968	0.1640671	0.4255551	0.4179353
##	3529	3530	3531	3532	3533	3534	3535
##	0.2318886	0.1746647	0.1671876	0.1598854	0.2289885	0.4504257	1.3200802
##	3536	3537	3538	3539	3540	3541	3542
##	0.2874120	0.5121579	0.3899224	0.1872124	0.1598854	0.1600794	0.6027718
##	3543	3544	3545	3546	3547	3548	3549
##	0.1598854	0.1598854	0.4757443	0.1598854	0.4757443	0.2365901	0.1768968
##	3550	3551	3552	3553	3554	3555	3556
##	0.1598854	0.1735713	1.7985183	0.2071637	2.1414195	0.1601793	0.1599560
##	3557	3558	3559	3560	3561	3562	3563
##	1.4641408	0.1599560	0.1600618	1.1692732	0.9266619	0.2099917	1.1109649
##	3564	3565	3566	3567	3568	3569	3570
##	2.1310593	0.7123765	0.2110796	1.7334239	0.8636784	0.2244914	0.1667432
##	3571	3572	3573	3574	3575	3576	3577
##	0.1598854	0.4234665	0.1654693	0.1817576	0.4669036	0.2602965	0.8495046
##	3578	3579	3580	3581	3582	3583	3584
##	2.1009816	0.1614153	0.3051162	0.2544792	0.1804759	0.2895596	0.5671456
##	3585	3586	3587	3588	3589	3590	3591
##	0.6088936	1.6526972	1.1521066	0.5897006	0.1598854	0.2620906	0.1635054
##	3592	3593	3594	3595	3596	3597	3598
##	1.0699120	0.2346926	0.2589409	0.1837444	0.1598854	0.3520534	0.2241596
##	3599	3600	3601	3602	3603	3604	3605
##	0.3100944	0.2290476	0.6849180	0.1598854	0.3369003	0.1619768	0.2292110
##	3606	3607	3608	3609	3610	3611	3612
##	0.4296022	0.2412124	0.1606555	0.2354429	0.3424724	0.6342617	1.5650724
##	3613	3614	3615	3616	3617	3618	3619
##	0.2492262	0.3295507	1.1224262	1.0492222	0.1609552	1.2859122	0.2442808
##	3620	3621	3622	3623	3624	3625	3626
##	0.4074676	0.2701197	0.2385488	2.8594240	1.3912798	1.1832271	0.7327185
##	3627	3628	3629	3630	3631	3632	3633
##	0.1673739	0.2254112	0.1996537	1.7985183	0.7377622	0.1853000	0.2732402
##	3634	3635	3636	3637	3638	3639	3640
##	0.8922501	0.3335474	0.8201786	0.7648935	0.1825349	0.1598854	0.2034849
##	3641	3642	3643	3644	3645	3646	3647
##	0.3490892	0.2671078	0.3767380	0.1939540	0.2545091	0.1598854	0.6580602
##	3648	3649	3650	3651	3652	3653	3654
##	0.1639736	0.2663321	0.1598854	1.8332502	0.2497831	0.1978974	0.4550195
##	3655	3656	3657	3658	3659	3660	3661
##	0.6580602	0.3144616	0.6565466	0.2390974	0.5397540	0.3970576	0.2302976
##	3662	3663	3664	3665	3666	3667	3668
##	0.1817632	0.1661506	0.1646650	0.1781871	0.1598854	0.4028531	0.1880942

```

##   3669      3670      3671      3672      3673      3674      3675
## 0.6967736 0.4186804 0.2334260 2.4915232 0.2097040 0.1725858 0.1794155
##   3676      3677      3678      3679      3680      3681      3682
## 0.1598854 0.2548274 0.1601090 0.5338745 1.1068260 0.3365644 0.1598854
##   3683      3684      3685      3686      3687      3688      3689
## 0.1602440 0.1598854 0.1740442 2.0247185 1.1436313 0.1602381 0.5845578
##   3690      3691      3692      3693      3694      3695      3696
## 0.6116967 0.1602381 0.1598854 1.0429185 0.2338081 1.9521455 0.1930769
##   3697      3698      3699      3700      3701      3702      3703
## 0.4272508 1.0897449 0.1600324 0.2427825 0.4478319 0.4593088 0.3154867
##   3704      3705      3706      3707      3708      3709      3710
## 0.1659353 0.1655422 0.9973189 0.1609173 0.2238104 0.2482445 0.2377996
##   3711      3712      3713      3714      3715      3716      3717

## 2.0234011 0.1644115 0.7809057 0.1615832 0.1598854 0.2929544 0.2322959

##   3718      3719      3720      3721      3722      3723      3724
## 0.1670831 0.3171500 0.5550710 0.2192668 0.9056371 1.4282448 0.4739211
##   3725      3726      3727      3728      3729      3730      3731
## 0.5043608 0.5850312 0.7421712 0.1598854 0.1605379 1.0852228 0.3856367
##   3732      3733      3734      3735      3736      3737      3738
## 0.1772688 2.3274978 0.5719646 0.1801413 0.2561828 0.5671382 0.1638472
##   3739      3740      3741      3742      3743      3744      3745
## 0.2459480 0.2210130 0.9400064 0.6580602 0.2314500 0.1881849 0.1611568
##   3746      3747      3748      3749      3750      3751      3752
## 0.1784440 1.4248826 0.1605379 0.2041181 0.4310415 0.2593484 0.2805105
##   3753      3754      3755      3756      3757      3758      3759
## 0.2503656 0.8097548 0.2311400 0.5271946 0.2788664 0.2001932 0.2422197
##   3760      3761      3762      3763      3764      3765      3766
## 1.6784327 0.1602264 0.4158153 0.5556650 0.1866634 0.8878197 0.3042598
##   3767      3768      3769      3770      3771      3772      3773
## 0.1903908 2.1985213 0.3920359 0.3587722 0.4155846 0.2018172 0.2097945
##   3774      3775      3776      3777      3778      3779      3780
## 2.0247185 0.1641267 0.3171361 0.2342879 0.5830691 0.1830107 0.2145925
##   3781      3782      3783      3784      3785      3786      3787
## 0.2717060 0.6144693 0.2864413 0.3244245 0.1599442 0.6445791 0.1660162
##   3788      3789      3790      3791      3792      3793      3794
## 0.1599295 0.6293125 0.3065962 0.3722291 0.1854347 0.4237553 1.1156620
##   3795      3796      3797      3798      3799      3800      3801
## 0.6445791 0.3017668 0.9456797 0.2366373 0.3740733 0.2450339 0.1679264
##   3802      3803      3804      3805      3806      3807      3808
## 0.1842991 0.1598854 0.1687283 0.1598854 0.2876740 0.1832859 0.5147105
##   3809      3810      3811      3812      3813      3814      3815
## 0.1599295 0.3296343 0.1918372 0.1598854 0.8166277 0.2234901 0.1640289
##   3816      3817      3818      3819      3820      3821      3822
## 0.1768080 0.4048972 0.5751298 0.1708822 0.1598854 0.1598854 0.2919714
##   3823      3824      3825      3826      3827      3828      3829
## 0.1601793 2.0566007 0.5193100 0.3466334 0.2253243 0.1607965 0.2016352
##   3830      3831      3832      3833      3834      3835      3836
## 0.7332532 0.1598854 0.2150413 0.1872492 2.3212713 1.0579812 0.2173311
##   3837      3838      3839      3840      3841      3842      3843
## 1.0188954 0.1598854 0.1894232 0.3888205 0.2548076 0.1598854 0.5009844

```

##	3844	3845	3846	3847	3848	3849	3850
##	0.2556633	0.1673323	0.7190121	0.2290338	0.2192472	1.6357392	1.1478877
##	3851	3852	3853	3854	3855	3856	3857
##	0.1606320	0.2716746	0.1598854	0.1907058	0.2360277	0.1670625	0.2514852
##	3858	3859	3860	3861	3862	3863	3864
##	0.3955591	0.8028120	0.3221747	0.2539643	0.4201472	1.0792113	0.3003644
##	3865	3866	3867	3868	3869	3870	3871
##	0.6474810	0.1939501	0.1599442	0.1598854	0.3118100	1.0511268	0.3893641
##	3872	3873	3874	3875	3876	3877	3878
##	0.2901467	1.5673978	0.4295501	0.1598854	1.7658225	0.6445791	0.2295246
##	3879	3880	3881	3882	3883	3884	3885
##	0.1741140	0.1772374	0.5291609	0.2083013	0.3011686	0.2447200	0.2840116
##	3886	3887	3888	3889	3890	3891	3892
##	0.3301157	0.3307747	0.4019712	0.5489137	0.1733959	1.7658225	0.2643201
##	3893	3894	3895	3896	3897	3898	3899
##	0.4876986	0.1602264	0.3970000	0.8515878	0.1952400	0.4158038	0.3115468
##	3900	3901	3902	3903	3904	3905	3906
##	0.4401696	0.2682056	0.2003062	0.2006221	0.7554409	0.1840034	2.0566007
##	3907	3908	3909	3910	3911	3912	3913
##	0.1648586	0.1632774	0.7186886	0.4050450	0.1989568	0.1684704	0.2570774
##	3914	3915	3916	3917	3918	3919	3920
##	0.3487502	0.8944209	0.1655909	0.1813379	0.2429375	0.7517380	0.8944209
##	3921	3922	3923	3924	3925	3926	3927
##	0.2774634	0.4524072	0.2500468	0.2313505	0.1598854	0.1598854	0.1728064
##	3928	3929	3930	3931	3932	3933	3934
##	0.2796716	0.2743603	0.1598854	0.1598854	0.3552628	0.1754543	1.7931094
##	3935	3936	3937	3938	3939	3940	3941
##	0.1716519	0.2733623	0.4524193	0.1681354	0.1598854	0.1913209	0.3547810
##	3942	3943	3944	3945	3946	3947	3948
##	0.4170842	1.1968670	0.1922661	0.1816642	0.4369845	0.1598854	0.1826988
##	3949	3950	3951	3952	3953	3954	3955
##	1.8985517	0.6669395	0.1598854	0.1740540	0.1598854	0.2651894	0.6269037
##	3956	3957	3958	3959	3960	3961	3962
##	0.2034853	0.3902569	1.9141770	0.8582369	0.5218182	0.1603968	0.4368695
##	3963	3964	3965	3966	3967	3968	3969
##	0.1598854	0.1719037	1.5248959	0.1717834	0.1850846	0.2118702	0.3595181
##	3970	3971	3972	3973	3974	3975	3976
##	0.1617694	0.3750244	0.2344308	0.4108118	0.1924744	0.1757519	0.1598854
##	3977	3978	3979	3980	3981	3982	3983
##	0.2174229	0.4668583	1.1968670	0.1958418	0.2267819	0.8134009	0.3572181
##	3984	3985	3986	3987	3988	3989	3990
##	0.1598854	0.8845888	0.2557781	0.1601500	0.8944209	0.2415821	0.2040452
##	3991	3992	3993	3994	3995	3996	3997
##	1.2008761	0.4202282	0.3228462	0.1667551	0.2194315	0.1598854	0.2431127
##	3998	3999	4000	4001	4002	4003	4004
##	0.3982980	0.1745609	0.8845888	0.4960305	0.2935772	0.5853910	0.1785782
##	4005	4006	4007	4008	4009	4010	4011
##	0.2331657	0.1805173	1.4637376	0.2212209	0.3811083	0.1615786	0.2732362
##	4012	4013	4014	4015	4016	4017	4018
##	0.4536654	1.0716821	1.1277981	0.1608524	0.1598854	0.2869682	0.2370340

```

##   4019    4020    4021    4022    4023    4024    4025
## 0.6151095 0.1603821 0.2020357 0.4879369 0.1613843 0.3861770 0.1598854
##   4026    4027    4028    4029    4030    4031    4032
## 0.4777873 0.1598854 0.1598854 0.1600971 0.7050065 1.3365424 0.6813614
##   4033    4034    4035    4036    4037    4038    4039
## 0.2417130 0.1730362 0.2309025 0.1634878 0.2803075 0.8403432 0.2616184
##   4040    4041    4042    4043    4044    4045    4046
## 0.8443342 0.1881024 0.1851970 0.1598854 0.1799985 2.2750432 0.7085205
##   4047    4048    4049    4050    4051    4052    4053
## 0.3882519 0.9573211 0.1965375 0.7843193 0.2506596 0.5803916 0.3987390
##   4054    4055    4056    4057    4058    4059    4060
## 1.0127719 0.1605291 0.1748397 0.9110001 0.1617275 0.1600794 0.1602381
##   4061    4062    4063    4064    4065    4066    4067
## 0.2598879 0.2190700 0.7063519 0.8769338 0.1600618 0.8443342 0.1882982
##   4068    4069    4070    4071    4072    4073    4074

## 0.1600618 0.2145066 0.5862920 0.6639781 0.4316549 0.3981839 0.1599736
##   4075    4076    4077    4078    4079    4080    4081
## 0.1899069 0.2244808 0.2119895 0.4767815 0.1633858 0.1598854 0.4470469
##   4082    4083    4084    4085    4086    4087    4088
## 0.6639781 0.1639766 0.3095497 0.1956468 0.1730432 0.4827121 0.1845595
##   4089    4090    4091    4092    4093    4094    4095
## 0.2820893 0.1621955 0.2414358 0.6468161 0.4586350 0.4229634 0.6350379
##   4096    4097    4098    4099    4100    4101    4102
## 0.1611669 0.1598854 0.2149818 0.5184331 0.2508525 0.1660700 0.3922064
##   4103    4104    4105    4106    4107    4108    4109
## 0.1599442 0.2494682 0.1599736 0.2208478 0.4149299 1.3917580 1.6982762
##   4110    4111    4112    4113    4114    4115    4116
## 0.3113493 0.1599442 0.3889930 0.6297698 0.7233657 0.1604362 0.1701729
##   4117    4118    4119    4120    4121    4122    4123
## 0.2911044 1.3165213 0.1601323 0.1832683 0.1599442 0.4091399 1.3983236
##   4124    4125    4126    4127    4128    4129    4130
## 0.2205438 0.5021122 2.0701454 0.3685992 0.2582600 0.3400583 0.4054655
##   4131    4132    4133    4134    4135    4136    4137
## 0.1666307 0.3421124 1.4266639 0.4699534 1.1724594 0.4931103 0.3363072
##   4138    4139    4140    4141    4142    4143    4144
## 0.5201375 0.4445379 0.2330181 1.3165213 0.5395282 0.1606173 1.3165213
##   4145    4146    4147    4148    4149    4150    4151
## 0.4354789 0.1601500 0.1697463 0.1599295 0.1598854 0.2177352 0.1602381
##   4152    4153    4154    4155    4156    4157    4158
## 0.4729549 0.4626149 0.2056420 0.1599442 1.0079258 0.3685992 0.1607877
##   4159    4160    4161    4162    4163    4164    4165
## 0.1599442 0.4688399 0.2743722 0.5191942 0.1600177 1.0463696 0.1927428
##   4166    4167    4168    4169    4170    4171    4172
## 0.2790849 0.6552214 3.5242745 0.2197491 0.3535950 3.5242745 2.0701454
##   4173    4174    4175    4176    4177    4178    4179
## 0.1668362 0.1812357 0.1598854 1.4305996 0.1618370 0.2352793 0.2652231
##   4180    4181    4182    4183    4184    4185    4186
## 0.1598854 0.2654424 0.2029347 0.1981215 0.2885826 0.5353387 0.1598854
##   4187    4188    4189    4190    4191    4192    4193
## 0.1660868 0.2289477 0.2649148 0.1765333 0.1598854 0.2743787 0.1601206

```

```

##   4194      4195      4196      4197      4198      4199      4200
## 1.8644706 0.1658814 0.1598854 0.1915846 0.2792169 0.2503081 0.1610807
##   4201      4202      4203      4204      4205      4206      4207
## 1.7295951 0.4104556 0.8022460 0.5550032 0.7459682 0.4629694 0.2439932
##   4208      4209      4210      4211      4212      4213      4214
## 0.1599912 0.1601206 0.4287409 0.4198422 0.1599295 0.1649334 0.1862072
##   4215      4216      4217      4218      4219      4220      4221
## 0.1753369 0.8039269 0.1600618 0.1888956 0.1601206 0.2520012 0.1598854
##   4222      4223      4224      4225      4226      4227      4228
## 0.1600001 0.7336683 0.2283519 0.9043974 0.2417177 0.4281221 0.2923835
##   4229      4230      4231      4232      4233      4234      4235
## 0.2814045 0.1711184 0.2579228 1.1021663 0.2538966 0.7021759 0.4862724
##   4236      4237      4238      4239      4240      4241      4242

## 0.2400869 0.3069943 0.2346359 0.8039269 0.3227446 1.5120484 0.1608112

##   4243      4244      4245      4246      4247      4248      4249
## 0.1690582 0.8039269 0.1598854 0.1600971 0.1598854 1.2656216 1.2227819
##   4250      4251      4252      4253      4254      4255      4256
## 0.2090907 0.2298826 0.3085610 0.1987009 0.1601206 0.6738671 0.2226773
##   4257      4258      4259      4260      4261      4262      4263
## 0.1601059 0.1601206 0.2074741 0.3463098 2.2918523 0.2930543 0.4481193
##   4264      4265      4266      4267      4268      4269      4270
## 0.2488289 0.1599560 0.1814874 0.2203829 0.7680101 0.1612718 1.6837093
##   4271      4272      4273      4274      4275      4276      4277
## 2.2864399 2.5303714 0.4841332 0.6655652 0.1598854 0.3958700 0.3326631
##   4278      4279      4280      4281      4282      4283      4284
## 2.2864399 0.9043974 0.2723671 0.2606386 0.1837943 0.5376342 0.1667804
##   4285      4286      4287      4288      4289      4290      4291
## 2.5795326 0.7177885 0.2533381 0.1598854 0.2051848 0.5729449 0.5967259
##   4292      4293      4294      4295      4296      4297      4298
## 0.8522736 0.1602851 0.1980595 0.1870773 0.1807885 0.1700662 0.1598854
##   4299      4300      4301      4302      4303      4304      4305
## 1.0088960 1.0063210 0.1681556 1.5449282 1.5268685 0.1788025 0.2459233
##   4306      4307      4308      4309      4310      4311      4312
## 0.6796771 0.2218346 0.1599560 0.2942269 0.3966871 0.3691171 0.3419139
##   4313      4314      4315      4316      4317      4318      4319
## 0.3212146 0.4071141 0.4082269 0.1599560 1.5268685 0.6204787 0.1600324
##   4320      4321      4322      4323      4324      4325      4326
## 0.1701606 0.1762577 0.3204496 0.1600618 2.6918257 0.1851728 0.1598854
##   4327      4328      4329      4330      4331      4332      4333
## 0.1945698 0.1599560 0.2720399 0.1932822 1.5268685 0.4954056 0.2077607
##   4334      4335      4336      4337      4338      4339      4340
## 0.2013313 0.6876236 0.2844053 0.1608965 1.1024154 1.8739918 0.4039833
##   4341      4342      4343      4344      4345      4346      4347
## 0.5735866 0.3247413 0.3396634 0.3447766 0.2146271 0.2234377 0.1820933
##   4348      4349      4350      4351      4352      4353      4354
## 0.3204496 0.2872928 0.5618227 0.4732004 0.1706628 0.3204496 0.2308323
##   4355      4356      4357      4358      4359      4360      4361
## 0.2532236 0.1600765 0.1598854 0.5280886 0.5648118 0.2123387 2.4329508
##   4362      4363      4364      4365      4366      4367      4368
## 0.7044566 0.2005473 1.5268685 0.3335958 0.1848186 0.2081009 0.4249092

```

##	4369	4370	4371	4372	4373	4374	4375
##	1.3148963	0.3324359	0.2946942	1.1308820	1.1435615	0.5712223	0.2167773
##	4376	4377	4378	4379	4380	4381	4382
##	0.1599560	0.1617043	0.1946255	0.4474371	0.1599560	0.1667861	0.9158171
##	4383	4384	4385	4386	4387	4388	4389
##	0.6916142	1.5881222	0.2561066	0.2230942	0.1598854	0.2852262	1.0472686
##	4390	4391	4392	4393	4394	4395	4396
##	0.6916142	0.4954056	0.1753438	0.1833979	0.1769404	0.4658177	0.3703536
##	4397	4398	4399	4400	4401	4402	4403
##	1.1024154	0.2614006	0.8892619	0.1659237	1.9235893	0.7630846	0.2487392
##	4404	4405	4406	4407	4408	4409	4410
##	0.6145984	0.8359077	0.1965588	0.1598854	0.4328158	0.1785982	0.6275516
##	4411	4412	4413	4414	4415	4416	4417
##	0.2048908	0.1598854	0.1661689	0.1603413	0.1602440	0.9588236	0.3830462
##	4418	4419	4420	4421	4422	4423	4424
##	0.6849108	0.7260491	0.2570728	0.9487724	1.0649335	0.1923276	0.1809457
##	4425	4426	4427	4428	4429	4430	4431
##	0.3891772	0.1602381	0.3614040	0.1655422	0.2444614	0.3506033	0.2805864
##	4432	4433	4434	4435	4436	4437	4438
##	1.5017643	0.2723841	0.3268144	0.7770155	2.7451182	0.1602381	1.0649335
##	4439	4440	4441	4442	4443	4444	4445
##	0.3525541	0.5709541	0.1675359	0.7951524	0.1674796	2.3512769	2.0372067
##	4446	4447	4448	4449	4450	4451	4452
##	0.8507802	0.2069063	0.1598854	0.2617680	0.1602381	1.0649335	0.1598854
##	4453	4454	4455	4456	4457	4458	4459
##	1.6762309	0.1905398	0.3460744	0.1605644	0.2135327	1.0890242	0.1618598
##	4460	4461	4462	4463	4464	4465	4466
##	0.4481035	1.0307671	2.6999107	0.4352564	0.1598854	0.2690743	2.3512769
##	4467	4468	4469	4470	4471	4472	4473
##	0.2754293	0.4678580	0.1906084	0.2731730	0.5924659	0.5602369	0.3854643
##	4474	4475	4476	4477	4478	4479	4480
##	0.1713976	0.1867959	0.1950263	1.4668921	1.7791391	0.2326134	0.2303795
##	4481	4482	4483	4484	4485	4486	4487
##	0.1982060	1.1048165	0.2948381	0.5983857	0.7145322	0.3970224	1.0649335
##	4488	4489	4490	4491	4492	4493	4494
##	0.7619466	0.2079804	0.3787255	0.2268465	0.2226706	0.1860772	0.4451230
##	4495	4496	4497	4498	4499	4500	4501
##	1.6149183	1.4668921	0.1995834	0.2334785	0.7622610	0.3590284	0.1602381
##	4502	4503	4504	4505	4506	4507	4508
##	0.1598854	0.1886564	2.5474374	0.1602381	0.1604530	0.4336144	1.1536305
##	4509	4510	4511	4512	4513	4514	4515
##	0.2146638	0.1921421	0.1598854	0.2061417	0.3067745	0.1694486	0.1798337
##	4516	4517	4518	4519	4520	4521	4522
##	0.8120865	0.2222014	0.4481035	0.1722668	0.7432726	0.1598854	1.7548410
##	4523	4524	4525	4526	4527	4528	4529
##	0.8475900	0.2731730	0.1833141	0.3158672	0.3560494	0.3725210	1.4668921
##	4530	4531	4532	4533	4534	4535	4536
##	0.1602087	0.1830594	0.2822784	0.1604086	0.3876448	0.1976037	0.3344509
##	4537	4538	4539	4540	4541	4542	4543
##	0.2140426	0.2514304	0.3659630	0.1598854	0.5610214	0.6105362	0.3071350

```

##   4544    4545    4546    4547    4548    4549    4550
## 0.2101728 0.3522415 0.1826066 0.2879799 0.1598854 1.1495930 0.1745601
##   4551    4552    4553    4554    4555    4556    4557
## 0.4810795 0.2773184 0.3208576 0.1598854 0.5584503 0.2049872 0.6990185
##   4558    4559    4560    4561    4562    4563    4564
## 0.2303492 2.3083574 0.1693948 0.1599295 1.1495930 0.9975201 0.3038623
##   4565    4566    4567    4568    4569    4570    4571
## 0.6471485 0.1654608 0.1965166 1.5028760 2.0713015 0.5050096 0.1661016
##   4572    4573    4574    4575    4576    4577    4578
## 0.1831110 0.2511228 1.1495930 0.5721947 0.2400326 0.1598854 0.3840505
##   4579    4580    4581    4582    4583    4584    4585
## 0.2599325 0.1602381 0.1643851 0.4529665 0.2845453 0.1810739 0.2254009
##   4586    4587    4588    4589    4590    4591    4592
## 0.1602381 2.0792554 0.6179952 0.7268563 2.0523600 0.3442430 0.1598854
##   4593    4594    4595    4596    4597    4598    4599

## 0.2114121 0.1598854 1.5028760 0.4180943 0.2042984 0.8387836 0.1863206
##   4600    4601    4602    4603    4604    4605    4606
## 0.2384155 0.3535244 0.4321589 0.1737362 0.1819876 0.1792941 0.7138288
##   4607    4608    4609    4610    4611    4612    4613
## 1.0690678 0.1768994 0.4489010 0.1886035 0.2661054 0.6093965 0.2399290
##   4614    4615    4616    4617    4618    4619    4620
## 1.1495930 0.3212839 0.2037298 0.2497710 1.9567669 0.1746986 0.2094642
##   4621    4622    4623    4624    4625    4626    4627
## 0.7720250 0.7138288 0.1973315 0.2171348 0.1599442 0.6191412 0.1610525
##   4628    4629    4630    4631    4632    4633    4634
## 1.2524839 0.6721392 0.8387836 0.2657852 0.1598854 0.4301106 0.4504934
##   4635    4636    4637    4638    4639    4640    4641
## 0.1850879 0.1986679 0.6179952 0.1708854 0.2752948 0.1598854 0.2883484
##   4642    4643    4644    4645    4646    4647    4648
## 0.7398906 0.2384155 0.1841635 1.2592426 0.2704277 0.7850585 0.3248197
##   4649    4650    4651    4652    4653    4654    4655
## 0.7138288 0.1598854 0.1598854 0.9274977 0.1769850 0.5568377 0.1604086
##   4656    4657    4658    4659    4660    4661    4662
## 0.1818931 0.1907607 0.8387836 0.1767211 0.1683820 0.1699978 0.1660986
##   4663    4664    4665    4666    4667    4668    4669
## 0.1598854 0.6270518 3.2843806 0.1600001 0.2398821 0.2070274 0.1778474
##   4670    4671    4672    4673    4674    4675    4676
## 1.4795751 0.2663508 0.1598854 0.1752510 0.4148867 0.2720123 1.8256855
##   4677    4678    4679    4680    4681    4682    4683
## 0.1598854 0.2142082 0.4677584 0.3400145 1.6658396 0.1723323 0.1598854
##   4684    4685    4686    4687    4688    4689    4690
## 0.3320843 0.3191097 0.3607174 0.5331853 0.1655548 0.1745263 0.5998399
##   4691    4692    4693    4694    4695    4696    4697
## 0.4296309 0.1598854 0.4165165 0.1600236 0.3534269 0.1858649 0.1598854
##   4698    4699    4700    4701    4702    4703    4704
## 0.2794445 0.1602381 0.1651345 0.3096144 0.2413274 0.5013627 0.1768708
##   4705    4706    4707    4708    4709    4710    4711
## 0.1799291 0.1600618 0.2645140 0.6083871 0.3844058 1.7762044 0.1598854
##   4712    4713    4714    4715    4716    4717    4718
## 0.1598854 0.5998399 0.2041194 0.3389481 0.7539812 1.1246991 0.2443348

```

```

##   4719      4720      4721      4722      4723      4724      4725
## 0.3750446 1.1600960 0.3432443 0.3313300 0.1753188 0.6571803 0.1705911
##   4726      4727      4728      4729      4730      4731      4732
## 0.2191545 0.2317145 0.2909580 2.2603513 0.2693676 0.1779131 0.1620956
##   4733      4734      4735      4736      4737      4738      4739
## 0.2750065 1.0578854 0.6854925 0.3313300 1.2939536 0.3428388 0.8794585
##   4740      4741      4742      4743      4744      4745      4746
## 0.2241865 0.7539812 0.1598854 0.3526245 0.2734930 0.4139890 0.1835400
##   4747      4748      4749      4750      4751      4752      4753
## 1.0562369 0.8602100 0.3844058 0.3121722 0.1630949 0.1637359 0.2443348
##   4754      4755      4756      4757      4758      4759      4760
## 0.2738841 0.2263992 0.6837783 0.2266855 0.4719824 0.3313300 0.1598854
##   4761      4762      4763      4764      4765      4766      4767

## 0.1598854 0.3340640 0.1803766 0.3318441 0.1862288 0.7539812 0.1766803

##   4768      4769      4770      4771      4772      4773      4774
## 0.1598854 0.1655462 1.2434802 0.1598854 0.4320372 2.8181883 0.1598854
##   4775      4776      4777      4778      4779      4780      4781
## 0.2042901 1.3055108 0.1598854 0.3984616 0.7243882 1.9361356 0.3330282
##   4782      4783      4784      4785      4786      4787      4788
## 0.1732375 0.9732777 0.1598854 0.2684292 0.2463866 0.2271293 1.9765348
##   4789      4790      4791      4792      4793      4794      4795
## 2.0462077 0.2383706 0.8611619 1.4965864 0.1598854 0.1787419 0.1598854
##   4796      4797      4798      4799      4800      4801      4802
## 0.2978040 0.3200735 0.2841182 0.3447261 0.2856991 0.5874792 0.1844597
##   4803      4804      4805      4806      4807      4808      4809
## 0.1852245 0.2715481 0.1869984 0.4933585 1.9125850 0.3158449 0.1598854
##   4810      4811      4812      4813      4814      4815      4816
## 0.1986331 0.3299954 0.3225983 0.5228053 0.1623013 0.4421839 0.1915634
##   4817      4818      4819      4820      4821      4822      4823
## 1.3282997 0.1598854 0.6539003 0.9941742 0.1602381 0.2190580 1.2732194
##   4824      4825      4826      4827      4828      4829      4830
## 0.6900524 1.7585632 0.3203277 0.1600618 0.3299954 0.1598854 0.2175665
##   4831      4832      4833      4834      4835      4836      4837
## 0.2688485 0.1747094 0.8128902 0.3690559 0.1645118 0.1652398 0.3665176
##   4838      4839      4840      4841      4842      4843      4844
## 0.1856597 0.3651279 0.1755122 0.1922241 0.3445146 0.1600618 0.1598854
##   4845      4846      4847      4848      4849      4850      4851
## 0.3661262 0.2038449 0.2804900 0.8178825 0.3324075 0.3299954 0.1602058
##   4852      4853      4854      4855      4856      4857      4858
## 0.5691707 0.5231230 0.1598854 1.0173855 0.1655551 0.1598854 0.3549540
##   4859      4860      4861      4862      4863      4864      4865
## 1.2563416 0.1598854 1.5269374 1.4929737 1.1705027 0.4464358 0.5141584
##   4866      4867      4868      4869      4870      4871      4872
## 0.7629518 0.1712565 1.1948039 0.6657283 0.9755845 0.2437103 0.2048044
##   4873      4874      4875      4876      4877      4878      4879
## 0.2178305 1.1134383 0.6207270 0.1808019 0.4821403 0.7996639 0.6924482
##   4880      4881      4882      4883      4884      4885      4886
## 1.5269374 0.1599442 0.6059544 0.1599295 0.1711971 1.3332445 1.2605949
##   4887      4888      4889      4890      4891      4892      4893
## 0.1598854 0.1710678 0.2275733 0.4436081 1.4270010 0.2270554 0.1752940

```

##	4894	4895	4896	4897	4898	4899	4900
##	0.4686808	0.1754668	0.2263861	0.2386309	0.1634655	0.5083541	0.2432406
##	4901	4902	4903	4904	4905	4906	4907
##	0.3692246	0.9958697	0.4379784	0.1599207	0.1649013	1.8593285	0.2099376
##	4908	4909	4910	4911	4912	4913	4914
##	0.5707293	0.1598854	0.6305098	1.0629399	0.2895296	1.1640703	0.1598854
##	4915	4916	4917	4918	4919	4920	4921
##	0.2092835	0.1608847	1.3259920	1.1740134	0.1601147	1.3595600	0.2136767
##	4922	4923	4924	4925	4926	4927	4928
##	1.4462236	0.3302782	0.1844446	0.6356747	0.2819718	0.9522878	0.2013672
##	4929	4930	4931	4932	4933	4934	4935
##	0.2419128	0.1599442	0.1705673	0.9211362	0.1855171	0.2670054	1.3480236
##	4936	4937	4938	4939	4940	4941	4942
##	0.1882869	2.4393418	0.1645438	0.1601147	1.4929737	0.1600588	0.2055267
##	4943	4944	4945	4946	4947	4948	4949
##	0.3207983	0.1848416	0.1616434	0.2829746	0.1599442	0.6184126	0.3997124
##	4950	4951	4952	4953	4954	4955	4956
##	0.3272796	0.6972648	0.2922014	1.5448120	0.1616106	1.2599018	0.2103294
##	4957	4958	4959	4960	4961	4962	4963
##	0.1605908	0.7026873	0.8275711	2.0310167	0.2086388	0.8272507	0.8328736
##	4964	4965	4966	4967	4968	4969	4970
##	0.5516557	2.0283668	0.5380202	0.2828912	0.1598854	0.2648810	0.4220521
##	4971	4972	4973	4974	4975	4976	4977
##	0.1780604	2.7793211	0.2882922	1.6287239	0.1600001	0.5320131	0.4643911
##	4978	4979	4980	4981	4982	4983	4984
##	0.1720611	0.1600941	0.7968931	0.3887934	0.9250091	0.5332187	0.4215901
##	4985	4986	4987	4988	4989	4990	4991
##	0.1771997	1.7805732	0.6155478	0.1633799	0.5205266	3.1958776	1.4216153
##	4992	4993	4994	4995	4996	4997	4998
##	0.3461656	0.7026873	0.1598854	0.2919169	0.1598854	1.2062764	1.3090329
##	4999	5000	5001	5002	5003	5004	5005
##	0.2213580	0.1632654	0.1600001	0.2969133	0.7978623	0.1847407	0.2538068
##	5006	5007	5008	5009	5010	5011	5012
##	0.1658625	0.1627343	0.1609044	0.2875875	0.1715176	0.1598854	0.3237247
##	5013	5014	5015	5016	5017	5018	5019
##	0.6352341	0.2659910	0.2202021	0.3062840	0.6610185	0.1598854	0.8944564
##	5020	5021	5022	5023	5024	5025	5026
##	0.2350370	1.9359950	2.0313820	0.1765908	2.7326367	0.2720958	0.9402247
##	5027	5028	5029	5030	5031	5032	5033
##	0.9945358	0.4216375	0.3655032	0.1599207	0.2114626	0.1599648	1.5448120
##	5034	5035	5036	5037	5038	5039	5040
##	0.6869665	0.8815703	0.1598854	0.5057054	0.4570608	0.5618726	0.1757704
##	5041	5042	5043	5044	5045	5046	5047
##	0.3909602	0.1801098	0.7605150	0.4707111	0.1705318	0.2031610	0.1833098
##	5048	5049	5050	5051	5052	5053	5054
##	0.1599442	0.1635945	0.4333460	0.8059818	0.1753636	1.4078093	1.4771946
##	5055	5056	5057	5058	5059	5060	5061
##	0.1659751	0.1598854	0.8272507	0.1598854	0.3545675	0.1991253	0.5494838
##	5062	5063	5064	5065	5066	5067	5068
##	0.1816572	0.1598854	0.2513403	0.1601206	0.3693917	0.2839310	0.5152842

##	5069	5070	5071	5072	5073	5074	5075
##	0.3088791	0.2201196	0.3405349	0.6974108	0.1615519	0.4876913	0.8681092
##	5076	5077	5078	5079	5080	5081	5082
##	0.1703846	0.1606790	0.1618928	0.3599458	0.2515728	0.7357616	0.7703233
##	5083	5084	5085	5086	5087	5088	5089
##	0.2062331	0.5886546	0.1636457	0.5624502	0.2514616	1.9873661	0.7210771
##	5090	5091	5092	5093	5094	5095	5096
##	0.2186610	0.2294293	0.1598854	1.4217183	0.2598825	1.2544775	0.1761853
##	5097	5098	5099	5100	5101	5102	5103
##	1.6150213	1.7263332	0.2306730	1.2609570	0.1630920	0.1599560	0.4190143
##	5104	5105	5106	5107	5108	5109	5110
##	0.1692481	0.1599560	0.2200338	0.2197604	0.1657727	0.6062706	1.5059524
##	5111	5112	5113	5114	5115	5116	5117
##	0.6475059	0.5853619	0.6150204	0.1602234	0.6717821	1.6601553	0.5604633
##	5118	5119	5120	5121	5122	5123	5124
##	0.2709081	0.1622569	0.8257882	0.3599458	0.1598854	0.1751892	0.1598854
##	5125	5126	5127	5128	5129	5130	5131
##	0.1723231	0.5888243	0.8481436	0.5296699	0.1821456	2.7309070	0.1599560
##	5132	5133	5134	5135	5136	5137	5138
##	0.3525920	0.2590341	0.5282661	0.1678090	0.1614908	0.1599560	0.3172399
##	5139	5140	5141	5142	5143	5144	5145
##	0.2514378	0.4953965	0.6988458	0.1598854	0.2572894	0.2139877	0.2359228
##	5146	5147	5148	5149	5150	5151	5152
##	0.1884530	0.6999942	0.5606337	0.1767557	0.9369399	0.1765859	0.3251954
##	5153	5154	5155	5156	5157	5158	5159
##	0.6609549	0.4642880	0.9666734	0.3111241	0.5747498	2.6567597	1.1691969
##	5160	5161	5162	5163	5164	5165	5166
##	0.5717197	0.7200202	0.1640043	1.9785631	0.2263730	0.4374041	0.2498543
##	5167	5168	5169	5170	5171	5172	5173
##	0.5161577	0.2795667	0.3520861	1.0319941	0.1601411	0.6974108	1.5647969
##	5174	5175	5176	5177	5178	5179	5180
##	0.1614572	0.2938758	0.1877691	1.1074906	0.2919339	0.1980991	0.1705803
##	5181	5182	5183	5184	5185	5186	5187
##	0.3175418	0.1783601	0.1602352	0.3303335	0.2159660	0.1689632	0.5809831
##	5188	5189	5190	5191	5192	5193	5194
##	0.1749404	0.1886337	0.7268916	0.1653961	0.7439989	1.5647969	0.6184641
##	5195	5196	5197	5198	5199	5200	5201
##	0.7120225	0.5163959	0.9432144	1.3225143	0.1599295	0.5886546	0.1598854
##	5202	5203	5204	5205	5206	5207	5208
##	2.2274588	0.2127555	0.1884766	0.1600618	0.3321489	0.5201217	0.2631291
##	5209	5210	5211	5212	5213	5214	5215
##	0.3226502	1.1968919	0.2601920	0.3673865	1.2004871	0.4204295	0.4783840
##	5216	5217	5218	5219	5220	5221	5222
##	0.1598854	0.1605487	0.1599560	0.2205715	0.3742358	0.4714765	0.1795229
##	5223	5224	5225	5226	5227	5228	5229
##	0.1598854	0.4429243	0.4383668	0.2449338	0.9330922	0.4710477	0.1898618
##	5230	5231	5232	5233	5234	5235	5236
##	0.1598854	0.5869237	0.2410285	0.4002991	2.1628917	1.3783925	0.8522224
##	5237	5238	5239	5240	5241	5242	5243
##	0.4237629	0.9314881	0.1605732	0.3340583	0.1732552	0.1602381	0.1602381

```

##   5244      5245      5246      5247      5248      5249      5250
## 0.1931002 0.1778903 0.1611669 0.4285010 0.3888587 0.3092573 0.3672888
##   5251      5252      5253      5254      5255      5256      5257
## 0.5254283 0.1617840 0.2830943 1.4002977 0.7715099 0.1610522 0.4039165
##   5258      5259      5260      5261      5262      5263      5264
## 0.5999670 0.1659839 0.4019525 0.1665335 1.8216616 0.1602381 0.7292223
##   5265      5266      5267      5268      5269      5270      5271
## 0.1896272 0.2780078 0.2465531 2.2945495 0.4789083 0.1678972 0.1602381
##   5272      5273      5274      5275      5276      5277      5278
## 0.2185527 0.2721463 0.2046173 0.2455211 0.2703319 0.6463414 0.1661506
##   5279      5280      5281      5282      5283      5284      5285
## 0.1699438 0.1986018 0.1738224 0.3867392 0.3345040 0.6350966 0.4848521
##   5286      5287      5288      5289      5290      5291      5292

## 0.2050377 1.8888569 0.2196957 1.5848930 0.2356254 0.4934842 1.0570454

##   5293      5294      5295      5296      5297      5298      5299
## 0.5886523 0.2150413 0.4876824 0.3393191 1.4846139 0.6476149 0.3712246
##   5300      5301      5302      5303      5304      5305      5306
## 0.1609235 0.5077496 0.3446741 0.3787470 0.7479191 0.1751860 0.2519545
##   5307      5308      5309      5310      5311      5312      5313
## 0.3459399 0.1911495 2.7241305 2.4387437 0.2281637 1.5343661 0.3673865
##   5314      5315      5316      5317      5318      5319      5320
## 0.6134415 0.1598854 1.8413988 0.1611669 0.2878930 0.1780196 0.4852349
##   5321      5322      5323      5324      5325      5326      5327
## 0.1854378 0.5264168 0.1727172 0.1598854 0.2740372 0.1705265 0.3276777
##   5328      5329      5330      5331      5332      5333      5334
## 0.1598854 0.1918896 0.1599883 0.9228258 0.4481862 0.1695725 0.6330299
##   5335      5336      5337      5338      5339      5340      5341
## 0.2072866 0.6134415 0.3470895 0.1754654 0.3301891 0.4534579 0.1598854
##   5342      5343      5344      5345      5346      5347      5348
## 1.2476834 2.2217936 0.2056187 0.7292576 0.1600324 1.0707068 0.3895768
##   5349      5350      5351      5352      5353      5354      5355
## 0.2586390 0.3134804 0.4511783 0.3236356 0.3226701 0.5287600 0.1979262
##   5356      5357      5358      5359      5360      5361      5362
## 0.1598854 0.1600618 0.3254059 0.1599442 0.2826783 0.4762604 0.7243556
##   5363      5364      5365      5366      5367      5368      5369
## 2.7109868 0.4057569 0.4532088 0.5780866 0.8772273 0.4174118 0.3620740
##   5370      5371      5372      5373      5374      5375      5376
## 0.1625070 0.1777578 0.2050191 0.1648407 0.1615716 0.1615695 1.5435858
##   5377      5378      5379      5380      5381      5382      5383
## 0.2554594 2.1791920 0.3012120 1.1628733 0.6000025 0.2160403 0.1607583
##   5384      5385      5386      5387      5388      5389      5390
## 0.2447585 0.6107264 0.8326413 0.1665394 1.5081994 0.3914215 1.7377898
##   5391      5392      5393      5394      5395      5396      5397
## 0.1674003 0.3893501 1.8732652 0.1599207 0.1605085 0.1833601 0.2393908
##   5398      5399      5400      5401      5402      5403      5404
## 1.2994240 0.2141203 1.2704113 0.5800878 0.1681323 0.2028808 0.1674260
##   5405      5406      5407      5408      5409      5410      5411
## 0.1714386 0.2405466 0.1937741 0.2913179 0.1598854 0.1788112 0.3678378
##   5412      5413      5414      5415      5416      5417      5418
## 0.3665104 0.2447393 0.1598854 0.3528940 0.1827321 1.1522997 1.5913237

```

##	5419	5420	5421	5422	5423	5424	5425
##	0.1598854	0.3902880	1.0354921	0.2304442	2.0826608	0.2166938	1.2212176
##	5426	5427	5428	5429	5430	5431	5432
##	1.8545984	0.1836473	0.3216503	0.4361269	1.1991757	0.3119793	0.2771664
##	5433	5434	5435	5436	5437	5438	5439
##	0.2813960	0.3280106	0.1598854	0.1605555	0.2019098	1.9134550	0.4157655
##	5440	5441	5442	5443	5444	5445	5446
##	0.1610258	0.2718614	1.0979544	0.1745567	0.1605026	0.3801741	0.1598854
##	5447	5448	5449	5450	5451	5452	5453
##	0.8184026	0.1615048	0.2190094	0.1750101	0.6519638	0.2608139	2.5702904
##	5454	5455	5456	5457	5458	5459	5460
##	0.7151488	1.3337382	0.1599442	0.2841677	0.1598854	1.5953281	0.5349618
##	5461	5462	5463	5464	5465	5466	5467
##	0.1598854	0.6839197	2.0384424	0.2438915	0.4550958	0.2001468	0.3801741
##	5468	5469	5470	5471	5472	5473	5474
##	0.2224256	0.3923689	0.4135712	0.1609487	0.3496755	0.1599442	0.1975814
##	5475	5476	5477	5478	5479	5480	5481
##	0.1599560	0.5147431	1.9364487	0.2349635	0.2625316	0.1598854	0.9528333
##	5482	5483	5484	5485	5486	5487	5488
##	2.1791920	0.3056197	2.4697320	0.4634494	1.5159710	0.2267665	0.6503006
##	5489	5490	5491	5492	5493	5494	5495
##	0.2452670	0.2757292	0.1598854	0.7525977	0.2571647	0.1942122	0.3373963
##	5496	5497	5498	5499	5500	5501	5502
##	1.3192127	0.2650215	0.5119335	0.2138865	0.1763830	0.1686513	0.1649465
##	5503	5504	5505	5506	5507	5508	5509
##	0.3381496	0.1598854	0.1600001	0.7812266	0.7812266	0.9234675	0.7377098
##	5510	5511	5512	5513	5514	5515	5516
##	0.5240892	0.2384392	0.2650522	0.5722215	1.7263809	0.9717161	0.1611551
##	5517	5518	5519	5520	5521	5522	5523
##	0.2774502	1.4570297	0.6716623	0.3338128	0.1598854	0.1608289	0.1606643
##	5524	5525	5526	5527	5528	5529	5530
##	0.1750099	0.5240143	0.4545374	0.2484640	0.1915208	0.1614637	0.1598854
##	5531	5532	5533	5534	5535	5536	5537
##	0.1995887	0.2299194	0.1598854	2.0446668	0.1993598	0.1598854	0.9092380
##	5538	5539	5540	5541	5542	5543	5544
##	1.3505011	1.6145327	0.1598854	0.7182495	0.5565719	0.4267490	1.7839255
##	5545	5546	5547	5548	5549	5550	5551
##	0.4543373	0.1781207	0.5347612	0.8572086	1.5358426	0.2438804	0.2634395
##	5552	5553	5554	5555	5556	5557	5558
##	0.2437153	0.9523759	0.2718433	1.7263809	1.0617275	0.1598854	0.6023560
##	5559	5560	5561	5562	5563	5564	5565
##	0.1608641	0.1598854	0.1811221	0.9829892	0.2958402	0.1617458	0.4867083
##	5566	5567	5568	5569	5570	5571	5572
##	0.1829158	0.1600974	0.1598854	0.3139634	0.2302395	0.2478593	0.2069192
##	5573	5574	5575	5576	5577	5578	5579
##	0.7091711	0.3166067	0.6153971	0.1598854	0.6514958	0.7404809	0.3897564
##	5580	5581	5582	5583	5584	5585	5586
##	0.1598854	0.3569646	0.7782408	1.5954793	0.3510072	0.1998271	1.4001466
##	5587	5588	5589	5590	5591	5592	5593
##	0.1998583	0.3280763	0.4198044	0.4917624	0.1610810	0.7782408	0.8130152

```

##   5594    5595    5596    5597    5598    5599    5600
## 0.2139806 0.1598854 0.4398960 0.2044076 0.2384113 0.8417233 0.1598854
##   5601    5602    5603    5604    5605    5606    5607
## 0.8494225 0.7377098 2.5413696 0.5172110 1.0343888 1.9121223 0.2550134
##   5608    5609    5610    5611    5612    5613    5614
## 0.5485257 0.3110469 0.3062651 0.4845029 0.1942242 0.2619375 0.7075147
##   5615    5616    5617    5618    5619    5620    5621
## 0.1598854 0.1612198 0.3088595 0.3969539 0.1690083 1.1441127 0.1887535
##   5622    5623    5624    5625    5626    5627    5628
## 0.1598854 0.4845029 0.1598854 0.6438963 0.6438963 0.4860623 0.3786883
##   5629    5630    5631    5632    5633    5634    5635
## 0.4556344 0.2625601 0.1598854 0.3145738 0.5762961 0.2454290 0.7866819
##   5636    5637    5638    5639    5640    5641    5642
## 0.1606702 1.5888091 0.4704298 0.3310334 0.1598854 0.1598854 0.1608847
##   5643    5644    5645    5646    5647    5648    5649

## 0.3969809 0.4845029 0.1600618 0.1625658 0.1598854 2.4208909 1.1033862
##   5650    5651    5652    5653    5654    5655    5656
## 0.1598854 0.5203189 1.6226921 0.1598854 0.6446846 0.1893971 0.2644765
##   5657    5658    5659    5660    5661    5662    5663
## 1.3377335 0.4179939 0.9342934 1.0168099 1.6352876 0.4287953 0.1600618
##   5664    5665    5666    5667    5668    5669    5670
## 0.6546411 0.5762961 0.4762307 1.1955165 0.1603821 0.1598854 0.4845029
##   5671    5672    5673    5674    5675    5676    5677
## 0.3778902 0.1635798 0.7347556 0.1598854 0.1742309 0.1604897 0.4167400
##   5678    5679    5680    5681    5682    5683    5684
## 0.1659496 0.1993880 0.2367929 0.5165419 0.1914900 0.4268262 1.4515328
##   5685    5686    5687    5688    5689    5690    5691
## 0.5689990 0.4589590 0.6354920 0.3508786 0.3110896 0.6438963 0.8689522
##   5692    5693    5694    5695    5696    5697    5698
## 1.0157424 0.1953889 0.2029568 0.3261224 0.3489899 0.6438963 0.4287953
##   5699    5700    5701    5702    5703    5704    5705
## 0.5741224 0.2900107 0.2053204 0.1598854 0.1998583 0.1603968 2.4697043
##   5706    5707    5708    5709    5710    5711    5712
## 0.6423520 0.6345013 0.3786883 2.3032432 0.1598854 0.7400195 0.4687167
##   5713    5714    5715    5716    5717    5718    5719
## 0.2513341 0.2513341 2.2661194 0.2513341 0.1630418 1.8682757 0.3235674
##   5720    5721    5722    5723    5724    5725    5726
## 0.2501547 0.1621309 0.6860388 0.2513341 0.2574559 0.6839984 0.6630108
##   5727    5728    5729    5730    5731    5732    5733
## 0.3873535 0.1669017 0.2257862 0.9619684 0.2513341 0.1598854 0.2513341
##   5734    5735    5736    5737    5738    5739    5740
## 0.1599442 0.2513341 0.6359220 0.2513341 0.5608797 0.1858341 0.2513341
##   5741    5742    5743    5744    5745    5746    5747
## 0.5552668 0.1825586 0.2513341 0.3873535 0.1598854 0.2513341 0.3454927
##   5748    5749    5750    5751    5752    5753    5754
## 0.3657924 0.2513341 0.2513341 0.2513341 0.3454927 0.4538023 0.2513341
##   5755    5756    5757    5758    5759    5760    5761
## 0.2513341 0.7738929 0.2513341 0.2513341 0.5165994 0.2513341 0.2243515
##   5762    5763    5764    5765    5766    5767    5768
## 0.1598854 0.1598854 1.3623127 0.4049404 0.2513341 0.2513341 0.2513341

```

```

##   5769      5770      5771      5772      5773      5774      5775
## 0.1886883 0.2513341 0.2489441 0.2513341 0.2513341 0.2819954 1.5562669
##   5776      5777      5778      5779      5780      5781      5782
## 0.2545699 0.1598854 2.5296792 0.2513341 0.2513341 1.3896272 0.2513341
##   5783      5784      5785      5786      5787      5788      5789
## 0.3873535 0.2513341 0.1599442 0.2513341 0.2513341 0.1600618 2.5653163
##   5790      5791      5792      5793      5794      5795      5796
## 0.1599295 0.2513341 0.6348985 0.6671474 0.6439034 0.2513341 0.2562990
##   5797      5798      5799      5800      5801      5802      5803
## 0.2343495 0.1612403 0.6671474 0.1881442 0.2513341 0.6671474 0.1862728
##   5804      5805      5806      5807      5808      5809      5810
## 0.2513341 0.3983633 0.1757947 0.2513341 0.2513341 0.2513341 0.9879035
##   5811      5812      5813      5814      5815      5816      5817

## 0.2513341 0.2513341 0.2513341 0.2513341 0.7784931 0.2513341 1.0682257

##   5818      5819      5820      5821      5822      5823      5824
## 0.2968468 0.1599442 1.0947448 0.2819954 0.2513341 0.3321953 0.2513341
##   5825      5826      5827      5828      5829      5830      5831
## 0.2513341 0.4049404 0.2513341 0.2853919 0.1889965 0.7573653 0.1599442
##   5832      5833      5834      5835      5836      5837      5838
## 0.3901400 0.3271600 1.0942515 0.2513341 0.1598854 0.3873535 0.2513341
##   5839      5840      5841      5842      5843      5844      5845
## 0.2083889 2.2648527 0.2819954 1.6404939 0.6218788 0.1598854 0.5934834
##   5846      5847      5848      5849      5850      5851      5852
## 0.2081322 0.2513341 0.2513341 0.2020033 0.1691693 0.4615429 0.1734837
##   5853      5854      5855      5856      5857      5858      5859
## 0.7418103 1.1342390 1.3964730 0.6586483 0.5924574 0.2570729 0.2513341
##   5860      5861      5862      5863      5864      5865      5866
## 0.2513341 0.2513341 1.2579751 0.2919882 1.5352066 0.2513341 0.2513341
##   5867      5868      5869      5870      5871      5872      5873
## 0.1936405 3.4591004 0.3454927 1.4385922 0.2513341 0.7507698 0.2513341
##   5874      5875      5876      5877      5878      5879      5880
## 0.1972578 0.2123531 0.2513341 0.2020814 0.3454927 0.2819954 0.5424821
##   5881      5882      5883      5884      5885      5886      5887
## 0.2968468 0.4717475 0.2031096 0.2819954 0.1602381 0.2381839 0.2513341
##   5888      5889      5890      5891      5892      5893      5894
## 1.5159761 0.2386801 0.3519591 0.2513341 0.4335100 0.2513341 0.2513341
##   5895      5896      5897      5898      5899      5900      5901
## 0.1598854 0.2948031 0.1705546 0.1705546 0.5571855 0.1705546 0.1633651
##   5902      5903      5904      5905      5906      5907      5908
## 0.5178253 0.1724751 0.1608553 0.2715052 0.4687085 0.1705546 0.4474646
##   5909      5910      5911      5912      5913      5914      5915
## 0.2335472 0.3358433 0.2472088 0.1609376 0.5638414 0.1705546 0.1598854
##   5916      5917      5918      5919      5920      5921      5922
## 0.2406628 0.1705546 0.1601206 0.1705546 0.8399229 0.2406628 0.1705546
##   5923      5924      5925      5926      5927      5928      5929
## 0.2604335 0.4938650 0.1822044 0.1705546 0.2988293 0.1705546 0.2472088
##   5930      5931      5932      5933      5934      5935      5936
## 0.1705546 0.3808605 0.1705546 0.1705546 0.1705546 0.2214352 2.0893891
##   5937      5938      5939      5940      5941      5942      5943
## 0.3252336 0.1705546 0.1705546 0.3725440 0.1705546 0.1705546 0.3685698

```

##	5944	5945	5946	5947	5948	5949	5950
##	0.2955279	0.1705546	0.7327377	0.8873495	0.1598854	0.1816393	0.1598854
##	5951	5952	5953	5954	5955	5956	5957
##	1.4613462	0.1705546	0.1705546	0.1705546	0.1824359	0.1705546	0.1672846
##	5958	5959	5960	5961	5962	5963	5964
##	0.1705546	0.1705546	0.1795026	0.2021069	1.1115686	0.1734779	1.5726630
##	5965	5966	5967	5968	5969	5970	5971
##	0.6950821	0.1705546	2.2233075	0.1705546	0.8878578	0.1705546	0.2472088
##	5972	5973	5974	5975	5976	5977	5978
##	0.1705546	0.1601206	1.5132156	0.1705546	0.1599560	0.1705546	1.2030034
##	5979	5980	5981	5982	5983	5984	5985
##	0.1598854	0.1705546	0.3564815	0.2748929	0.1848604	0.1705546	0.8143978
##	5986	5987	5988	5989	5990	5991	5992
##	0.2576235	0.1602117	0.2748929	0.1848349	0.1705546	0.2748929	0.1842229
##	5993	5994	5995	5996	5997	5998	5999
##	0.1705546	0.2640776	0.1616245	0.3922364	0.1705546	0.1705546	0.1705546
##	6000	6001	6002	6003	6004	6005	6006
##	0.3078609	0.2356774	1.1435283	0.1705546	0.1705546	0.1705546	0.1705546
##	6007	6008	6009	6010	6011	6012	6013
##	0.1705546	0.5504723	0.2230037	0.1601206	0.8892885	0.2733329	0.1795026
##	6014	6015	6016	6017	6018	6019	6020
##	0.1600001	0.1705546	0.1705546	0.1705546	0.1705546	1.6644383	0.1667157
##	6021	6022	6023	6024	6025	6026	6027
##	0.4390690	0.1601206	0.1609291	0.2237864	0.1855696	1.7345532	0.5784555
##	6028	6029	6030	6031	6032	6033	6034
##	0.4901466	0.1705546	0.2472088	0.1705546	0.1808196	0.2137809	0.3286126
##	6035	6036	6037	6038	6039	6040	6041
##	0.7551706	0.1782168	0.1795026	0.6887431	0.3531150	0.1598854	0.6486325
##	6042	6043	6044	6045	6046	6047	6048
##	0.2202615	0.1705546	0.1705546	0.1803928	0.1925045	0.4232992	0.1630096
##	6049	6050	6051	6052	6053	6054	6055
##	1.5299930	0.2008079	0.3153372	1.4483522	0.4575566	1.4006459	0.4184876
##	6056	6057	6058	6059	6060	6061	6062
##	0.4925662	0.2105712	0.1705546	0.2406628	0.1705546	0.1705546	2.2606823
##	6063	6064	6065	6066	6067	6068	6069
##	0.4443891	0.2406628	0.3193547	0.1705546	0.1705546	0.1943348	2.1502622
##	6070	6071	6072	6073	6074	6075	6076
##	2.2429039	0.6275301	0.1834193	0.1705546	0.1705546	0.1705546	0.1701793
##	6077	6078	6079	6080	6081	6082	6083
##	0.1795026	0.2922487	0.2230037	0.7124872	0.2621486	0.1836118	0.1795026
##	6084	6085	6086	6087	6088	6089	6090
##	0.2406628	0.7180479	0.1603263	0.1959179	0.1705546	1.1902861	0.2116485
##	6091	6092	6093	6094	6095	6096	6097
##	0.1705546	0.4867782	0.1600941	0.1849553	0.1705546	0.1705546	0.1598854
##	6098	6099	6100	6101	6102	6103	6104
##	0.5975493	0.1624624	0.1624624	0.2817847	0.4755572	0.1617043	0.1624624
##	6105	6106	6107	6108	6109	6110	6111
##	0.1642081	0.1600177	0.2412357	1.1492429	0.1775521	0.1607671	0.1814620
##	6112	6113	6114	6115	6116	6117	6118
##	0.6896176	0.1624624	0.3270428	0.2115748	0.2001129	0.1601059	0.3449084

```

##   6119    6120    6121    6122    6123    6124    6125
## 0.4534813 1.7704848 0.1624624 0.1858283 0.1755691 0.1624624 0.1624624
##   6126    6127    6128    6129    6130    6131    6132
## 0.9296568 0.1858283 0.1624624 0.1767444 0.6779308 0.3122402 0.1624624
##   6133    6134    6135    6136    6137    6138    6139
## 0.1624624 0.1624624 0.2599913 0.1624624 0.1602352 0.4219101 0.1624624
##   6140    6141    6142    6143    6144    6145    6146
## 1.1518845 0.1624624 0.5328315 0.1993622 0.3563741 1.0119419 0.3809333
##   6147    6148    6149    6150    6151    6152    6153
## 0.1624624 0.1624624 0.3123259 0.1624624 0.1624624 0.3082924 1.3258242
##   6154    6155    6156    6157    6158    6159    6160
## 0.1891582 0.1624624 0.4308419 0.1921286 0.3455559 0.1833228 0.7942199
##   6161    6162    6163    6164    6165    6166    6167
## 0.1878884 0.1598854 0.8750708 0.1624624 0.1624624 0.1624624 0.1624624
##   6168    6169    6170    6171    6172    6173    6174

## 0.1619194 0.1624624 0.1624624 1.5819107 0.1677469 0.1769726 0.3494359
##   6175    6176    6177    6178    6179    6180    6181
## 0.1637003 0.3877084 1.5191748 0.3355060 0.5411529 0.1624624 0.7381854
##   6182    6183    6184    6185    6186    6187    6188
## 2.9276214 0.1624624 0.8023643 0.1624624 0.1624624 0.7205203 0.1624624
##   6189    6190    6191    6192    6193    6194    6195
## 1.2023881 0.1599560 0.1624624 0.2633384 1.8885147 0.3410440 0.1624624
##   6196    6197    6198    6199    6200    6201    6202
## 0.3107699 0.1679908 0.1624624 0.5654136 0.2015024 0.4219101 0.1599295
##   6203    6204    6205    6206    6207    6208    6209
## 0.3107699 0.1821809 1.9003547 0.1624624 0.3107699 0.2046645 0.1624624
##   6210    6211    6212    6213    6214    6215    6216
## 1.3076239 0.1601323 0.3284365 0.1624624 0.1624624 0.1624624 0.2367123
##   6217    6218    6219    6220    6221    6222    6223
## 0.2949237 0.7082960 0.1624624 0.1624624 0.1624624 0.1624624 0.1624624
##   6224    6225    6226    6227    6228    6229    6230
## 0.6026380 0.1911035 0.1677469 0.1599560 0.1624624 0.1624624 0.1624624
##   6231    6232    6233    6234    6235    6236    6237
## 0.1624624 1.3212356 0.1723704 0.2831542 0.1598854 0.1799739 0.1823807
##   6238    6239    6240    6241    6242    6243    6244
## 0.5186248 0.2279167 0.4448115 0.5717114 0.1624624 0.1624624 0.1734669
##   6245    6246    6247    6248    6249    6250    6251
## 0.1955125 0.9355347 0.1767642 0.1677469 0.7951694 0.3556297 2.3233446
##   6252    6253    6254    6255    6256    6257    6258
## 0.1999949 0.1624624 0.1624624 0.7289599 0.1836207 0.2648355 0.1600177
##   6259    6260    6261    6262    6263    6264    6265
## 0.9100227 0.4219101 1.0556831 0.3436480 1.0413142 0.2241596 0.1948037
##   6266    6267    6268    6269    6270    6271    6272
## 0.1624624 0.1858283 0.1624624 0.1624624 1.1468060 0.6155495 0.1858283
##   6273    6274    6275    6276    6277    6278    6279
## 0.2358895 0.1624624 0.1624624 1.4897237 0.7983257 0.4810691 0.1599295
##   6280    6281    6282    6283    6284    6285    6286
## 0.1860022 0.1624624 0.3742272 0.4427783 0.1624624 0.1624624 0.1806449
##   6287    6288    6289    6290    6291    6292    6293
## 0.1677469 0.2392464 0.2066163 0.2123538 0.1677469 0.1858283 0.3264182

```

```

##   6294      6295      6296      6297      6298      6299      6300
## 0.1931216 0.9397621 0.1624624 0.1858184 0.1624624 0.1599560 0.1640295
##   6301      6302      6303      6304      6305      6306      6307
## 0.1624624 0.1743579 0.1624624 0.6366434 1.4212170 0.3966679 0.1598854
##   6308      6309      6310      6311      6312      6313      6314
## 0.1598854 0.3110798 0.1719052 0.1622014 0.2083817 0.1604485 0.7799820
##   6315      6316      6317      6318      6319      6320      6321
## 0.1598854 0.7149426 0.1860151 0.3455239 0.1860151 0.2128396 0.7975717
##   6322      6323      6324      6325      6326      6327      6328
## 0.4024901 1.5070547 0.2139342 0.1598854 0.7515913 0.3774580 0.3333334
##   6329      6330      6331      6332      6333      6334      6335
## 0.2268905 0.3726940 0.5592604 0.5424111 2.4838951 0.6816871 1.2228741
##   6336      6337      6338      6339      6340      6341      6342

## 0.1866279 0.4225835 1.1915153 0.1826129 0.2628125 0.1689987 0.2297897

##   6343      6344      6345      6346      6347      6348      6349
## 1.1358277 1.3133865 0.1843053 1.3022006 0.3916199 0.1691429 0.3339537
##   6350      6351      6352      6353      6354      6355      6356
## 0.1619398 0.3239055 0.5382808 1.1358277 0.4326759 1.1255119 0.1602822
##   6357      6358      6359      6360      6361      6362      6363
## 0.1598854 0.3425581 0.5487016 1.8026705 0.7588862 0.5164713 0.1602381
##   6364      6365      6366      6367      6368      6369      6370
## 0.4750235 0.5472914 0.6629051 1.0877566 2.2184783 0.2923483 0.1642414
##   6371      6372      6373      6374      6375      6376      6377
## 0.7309912 0.7515913 0.4998676 0.5302228 0.4940666 0.1602381 0.2651542
##   6378      6379      6380      6381      6382      6383      6384
## 0.1925148 0.5888277 2.1485913 0.1600735 1.2056243 1.8860659 0.1656688
##   6385      6386      6387      6388      6389      6390      6391
## 0.1817468 0.1602381 1.1353119 0.2345549 0.6776508 0.2719952 0.1599736
##   6392      6393      6394      6395      6396      6397      6398
## 0.2179820 0.5071313 1.1585748 0.1706451 0.3354185 0.1675886 0.5183850
##   6399      6400      6401      6402      6403      6404      6405
## 0.4102962 2.2345424 2.0031771 0.3717581 0.1755386 0.8517080 0.1863394
##   6406      6407      6408      6409      6410      6411      6412
## 0.1600177 0.9093859 0.7515913 0.3122316 0.7454461 0.6932277 2.0376120
##   6413      6414      6415      6416      6417      6418      6419
## 0.1860151 0.3012311 0.9767072 0.6682058 0.1860151 0.3567144 0.3448141
##   6420      6421      6422      6423      6424      6425      6426
## 0.1601147 0.1598854 0.3075480 0.4199053 1.6131714 0.6298103 0.4676851
##   6427      6428      6429      6430      6431      6432      6433
## 0.1730013 0.2217502 0.1860151 0.2319134 0.3675216 0.5712587 0.9420643
##   6434      6435      6436      6437      6438      6439      6440
## 0.9673684 0.1602381 0.1617958 0.1616120 0.4541607 0.8749901 0.2520796
##   6441      6442      6443      6444      6445      6446      6447
## 0.1599442 0.1598854 0.4764820 0.1609435 0.2710698 0.1608547 0.2347684
##   6448      6449      6450      6451      6452      6453      6454
## 0.1598854 0.6877765 0.3072190 1.8473631 1.7659892 0.2124937 0.3189152
##   6455      6456      6457      6458      6459      6460      6461
## 1.4099175 0.2477714 0.2678967 0.9403726 0.1832498 0.1599442 0.2824780
##   6462      6463      6464      6465      6466      6467      6468
## 0.1598854 0.2752658 1.9651545 0.2882204 0.2118184 0.2161934 0.6773427

```

##	6469	6470	6471	6472	6473	6474	6475
##	0.2643776	0.6281966	1.3468844	0.4140358	0.1698611	1.0782801	0.1737596
##	6476	6477	6478	6479	6480	6481	6482
##	0.4326435	0.1732163	0.7158258	0.4562783	0.4445977	0.3169692	0.2617612
##	6483	6484	6485	6486	6487	6488	6489
##	0.7158258	0.1698695	0.5168571	0.1605379	0.1606702	0.1598854	0.2927730
##	6490	6491	6492	6493	6494	6495	6496
##	0.1602381	0.1598854	0.5394336	0.4843571	0.5481225	0.2581460	0.8208392
##	6497	6498	6499	6500	6501	6502	6503
##	0.4733829	0.9687136	0.5204406	0.1725121	0.3001847	0.2875918	0.4578184
##	6504	6505	6506	6507	6508	6509	6510
##	0.8484597	1.0870332	1.9190597	0.1738687	0.2824780	0.5870915	0.4963618
##	6511	6512	6513	6514	6515	6516	6517
##	0.6352706	0.2794915	0.4942881	0.1598854	0.1598854	0.5503527	0.9078657
##	6518	6519	6520	6521	6522	6523	6524
##	0.8454491	0.3540947	0.1600735	1.2857670	0.9600878	0.6665705	0.5581709
##	6525	6526	6527	6528	6529	6530	6531
##	0.1622014	0.5006952	0.2259270	0.1598854	0.3337841	0.4479250	0.3416213
##	6532	6533	6534	6535	6536	6537	6538
##	1.9501354	0.3251675	0.6151088	1.2857670	0.6075526	0.9727505	0.1963100
##	6539	6540	6541	6542	6543	6544	6545
##	0.1598854	0.3467465	0.2824780	0.6002052	0.3023190	0.3788278	0.7269713
##	6546	6547	6548	6549	6550	6551	6552
##	0.1598854	0.2038348	0.2974691	0.1599207	0.1599442	0.1598854	0.1758855
##	6553	6554	6555	6556	6557	6558	6559
##	0.1600236	0.2964620	0.2348025	0.1615716	0.4752739	1.2450318	0.3489611
##	6560	6561	6562	6563	6564	6565	6566
##	0.2423665	0.1680993	1.1468163	1.2857670	0.2864001	0.2380046	0.6099320
##	6567	6568	6569	6570	6571	6572	6573
##	0.6883117	0.3299372	0.1617568	0.1602293	0.1989166	0.4430919	0.1615548
##	6574	6575	6576	6577	6578	6579	6580
##	0.2257047	0.7285579	0.1623242	0.1598854	0.1979433	0.7747262	0.9914129
##	6581	6582	6583	6584	6585	6586	6587
##	0.3121373	1.1099171	0.2069474	0.1700768	0.4168255	0.1811561	0.1598854
##	6588	6589	6590	6591	6592	6593	6594
##	0.9257591	0.1758846	0.7133376	0.5457347	0.1703346	0.1685967	0.4555290
##	6595	6596	6597	6598	6599	6600	6601
##	1.0821934	0.2270544	0.4095157	0.2305800	0.3390540	0.3286139	0.3970793
##	6602	6603	6604	6605	6606	6607	6608
##	0.2725046	0.1911026	0.3286139	0.1708073	0.4816880	0.1598854	0.1607760
##	6609	6610	6611	6612	6613	6614	6615
##	0.1598854	0.1598854	0.1598854	0.4382726	0.2518377	0.3479685	0.2187242
##	6616	6617	6618	6619	6620	6621	6622
##	0.3645656	0.4520354	0.2261866	0.1660015	0.3064776	0.2422308	0.3813290
##	6623	6624	6625	6626	6627	6628	6629
##	0.1971661	0.6729570	0.9191307	1.7462785	0.1684658	0.2266210	0.5247750
##	6630	6631	6632	6633	6634	6635	6636
##	0.4466378	0.5133318	0.3031428	0.5189943	0.1598854	0.1598854	0.4130700
##	6637	6638	6639	6640	6641	6642	6643
##	0.7657845	2.8494912	0.7107952	0.6848846	0.1893031	0.6346210	0.2461991

```

##   6644    6645    6646    6647    6648    6649    6650
## 0.1602851 1.1514911 0.5694238 0.5410703 0.3863451 0.3427126 0.1626040
##   6651    6652    6653    6654    6655    6656    6657
## 0.5347715 0.2057057 0.1598854 0.3028655 0.4466166 0.2860563 1.3268904
##   6658    6659    6660    6661    6662    6663    6664
## 0.2259139 1.1514911 0.5455794 0.3698683 0.2832968 1.8386051 0.1598854
##   6665    6666    6667    6668    6669    6670    6671
## 0.4650582 0.2968616 0.1952199 0.3170809 0.7250863 0.1598854 0.1925517
##   6672    6673    6674    6675    6676    6677    6678
## 0.2797570 0.4234561 0.1598854 0.1598854 0.1598854 0.1613520 0.8873976
##   6679    6680    6681    6682    6683    6684    6685
## 0.1598854 0.1598854 0.5407216 1.4612765 0.3349009 0.2223188 0.1689371
##   6686    6687    6688    6689    6690    6691    6692
## 0.6238554 0.7850561 1.1514911 0.2950291 0.4236315 0.3314305 0.2784714
##   6693    6694    6695    6696    6697    6698    6699

## 0.3262072 0.4842334 0.1599883 1.1574995 0.1705163 0.2122648 0.4507145
##   6700    6701    6702    6703    6704    6705    6706
## 0.1710975 0.6180353 0.2903026 0.5568523 0.2264823 0.6843686 0.1718749
##   6707    6708    6709    6710    6711    6712    6713
## 0.1598854 0.6509947 0.4096547 0.1598854 0.1711436 0.1644070 0.6356294
##   6714    6715    6716    6717    6718    6719    6720
## 0.6345013 0.4642446 0.1849496 0.1982684 0.4234341 0.3417661 0.1979920
##   6721    6722    6723    6724    6725    6726    6727
## 0.4234341 1.2745794 0.1598854 0.1598854 0.1598854 0.2835106 0.2121893
##   6728    6729    6730    6731    6732    6733    6734
## 0.3266235 0.9529094 0.2813653 0.2136764 0.3559793 0.1723716 0.6544561
##   6735    6736    6737    6738    6739    6740    6741
## 0.2000206 0.1651287 1.1718270 1.5075144 0.1710693 1.6966531 0.3241371
##   6742    6743    6744    6745    6746    6747    6748
## 0.8414759 1.6650845 0.1598854 0.4582793 0.2022933 0.5446609 0.3044691
##   6749    6750    6751    6752    6753    6754    6755
## 0.2456211 0.3146304 0.1598854 0.1598854 0.5232342 0.2431260 0.7328482
##   6756    6757    6758    6759    6760    6761    6762
## 2.2031311 1.3043922 0.1643278 0.5864267 0.1896696 0.6170196 0.5070998
##   6763    6764    6765    6766    6767    6768    6769
## 0.4462532 0.3962340 0.2180137 0.1854415 1.2324575 0.1598854 0.2261752
##   6770    6771    6772    6773    6774    6775    6776
## 0.2384276 0.5133355 2.5810239 0.6170196 0.5323633 0.8205188 0.3024500
##   6777    6778    6779    6780    6781    6782    6783
## 0.3253701 0.1605026 0.2455763 0.1598854 0.2813972 0.1607730 0.3345462
##   6784    6785    6786    6787    6788    6789    6790
## 0.4252441 0.1598854 0.1598854 0.1617694 0.3741018 0.1598854 0.1598854
##   6791    6792    6793    6794    6795    6796    6797
## 0.3194970 0.1603821 0.1712102 1.1397194 0.3433175 0.3613852 0.6170196
##   6798    6799    6800    6801    6802    6803    6804
## 0.2342233 0.2792905 0.3215322 0.1599883 0.8778423 0.1687616 0.1606996
##   6805    6806    6807    6808    6809    6810    6811
## 1.4467987 0.2974835 1.3946004 1.5552842 0.3517618 0.7989761 0.1755563
##   6812    6813    6814    6815    6816    6817    6818
## 0.2436693 0.1822987 0.7114646 0.4914524 3.8163776 0.2417904 0.1795277

```

```

##   6819      6820      6821      6822      6823      6824      6825
## 0.5454771 0.4119320 0.2715726 0.1745827 1.4546377 2.0165287 0.1598854
##   6826      6827      6828      6829      6830      6831      6832
## 1.8551613 0.1690296 0.1707318 0.5900388 0.5130911 0.4335100 2.4569441
##   6833      6834      6835      6836      6837      6838      6839
## 0.1954660 0.6760944 0.2975470 0.2672471 2.7728355 0.2169368 0.1903081
##   6840      6841      6842      6843      6844      6845      6846
## 0.2672471 0.5380655 0.1615042 0.2043821 0.2364170 0.4205670 0.8941549
##   6847      6848      6849      6850      6851      6852      6853
## 0.1609259 0.1950191 0.1708539 0.6671501 1.1062227 0.6384503 0.1823552
##   6854      6855      6856      6857      6858      6859      6860
## 0.6799639 0.2798409 1.0790463 0.1598854 0.1976691 0.2736956 0.1776656
##   6861      6862      6863      6864      6865      6866      6867

## 0.1794812 0.2156849 0.1746046 0.3480107 1.5947701 1.6187892 0.3765195

##   6868      6869      6870      6871      6872      6873      6874
## 0.1751914 0.2305389 0.3681334 0.1790362 0.1731520 0.8054741 2.1533356
##   6875      6876      6877      6878      6879      6880      6881
## 0.8446741 0.1812029 1.5372539 0.3593115 0.5124230 0.6044641 0.1629185
##   6882      6883      6884      6885      6886      6887      6888
## 0.1703482 0.3353358 0.1598854 1.2972719 0.2103994 2.3154425 0.4936163
##   6889      6890      6891      6892      6893      6894      6895
## 0.5170312 0.2267898 0.5462142 0.1616097 2.1254083 0.1903758 0.1599736
##   6896      6897      6898      6899      6900      6901      6902
## 0.2516466 0.2607920 0.1598854 0.9899559 0.2418835 2.4569441 0.1599442
##   6903      6904      6905      6906      6907      6908      6909
## 0.6829964 0.2859879 0.2576446 1.5504760 0.5623975 0.4431375 0.2375155
##   6910      6911      6912      6913      6914      6915      6916
## 0.1772620 1.1584790 0.3405437 0.1606114 1.0901092 0.2073104 0.1600001
##   6917      6918      6919      6920      6921      6922      6923
## 0.6652176 0.6627403 1.5668513 0.7857934 1.8143108 0.5496813 1.0883417
##   6924      6925      6926      6927      6928      6929      6930
## 0.7483621 0.1639971 0.3096266 0.1858071 0.5472289 0.9327995 0.5571100
##   6931      6932      6933      6934      6935      6936      6937
## 2.4038020 2.0165302 0.4190390 3.2122861 0.2530915 0.1828984 0.2124433
##   6938      6939      6940      6941      6942      6943      6944
## 0.5017066 0.2162606 0.2015905 0.1721886 0.3643655 1.3958633 0.1598854
##   6945      6946      6947      6948      6949      6950      6951
## 0.7492057 0.8798719 1.7228477 0.2657172 0.4867782 1.7895520 1.1516788
##   6952      6953      6954      6955      6956      6957      6958
## 0.8508184 0.1856126 0.2033356 0.8011900 0.2177718 0.3454659 0.3120391
##   6959      6960      6961      6962      6963      6964      6965
## 0.2507569 1.7096901 0.2033356 0.6626812 0.3298419 0.2398653 1.1804280
##   6966      6967      6968      6969      6970      6971      6972
## 0.1598854 1.9046044 0.1909387 0.2359331 0.6948617 0.1610699 0.1697802
##   6973      6974      6975      6976      6977      6978      6979
## 0.3908589 0.2988226 0.2713640 0.5122705 0.2737185 1.6799157 0.3863118
##   6980      6981      6982      6983      6984      6985      6986
## 0.5221257 0.1598854 0.1822385 0.2711535 0.6563224 0.3583122 0.4025927
##   6987      6988      6989      6990      6991      6992      6993
## 0.1751804 0.6148816 0.5313011 0.2354462 0.1696067 0.6914368 0.2506749

```

	6994	6995	6996	6997	6998	6999	7000
##	0.1638961	0.1795328	0.1760571	0.1728176	0.4867762	0.4950311	1.4923882
##	7001	7002	7003	7004	7005	7006	7007
##	1.1426618	1.5941929	0.2579385	1.2257796	0.1991812	1.3607976	0.1762791
##	7008	7009	7010	7011	7012	7013	7014
##	0.2921880	0.1993576	0.1598854	0.2049875	0.8244163	0.1598854	1.2588055
##	7015	7016	7017	7018	7019	7020	7021
##	0.1698957	1.9940931	0.1724891	0.8475893	0.2608866	0.4285459	0.1743831
##	7022	7023	7024	7025	7026	7027	7028
##	0.4963811	0.1599736	0.2761844	0.1812808	0.1599736	0.7643323	0.2056627
##	7029	7030	7031	7032	7033	7034	7035
##	0.2219129	0.9044981	0.7983331	1.1516788	2.9020704	0.1601206	0.3384532
##	7036	7037	7038	7039	7040	7041	7042
##	0.1770505	1.1272400	1.2138740	0.4932190	0.2382571	1.9927502	0.2075143
##	7043	7044	7045	7046	7047	7048	7049
##	0.7451779	0.9014232	0.1599295	0.1607877	0.4529945	0.7721086	0.1914127
##	7050	7051	7052	7053	7054	7055	7056
##	0.1599560	0.3895147	0.3120217	0.5489717	1.0978934	2.0874469	1.5248695
##	7057	7058	7059	7060	7061	7062	7063
##	1.4469675	0.2368332	1.8402078	0.6708401	0.2325002	0.1914496	0.2478407
##	7064	7065	7066	7067	7068	7069	7070
##	0.2371814	0.1695336	0.3047720	0.4100019	1.2312088	0.3515491	3.4622842
##	7071	7072	7073	7074	7075	7076	7077
##	2.1761726	0.3392623	2.0440656	0.2434759	0.1750285	2.3460232	0.1795750
##	7078	7079	7080	7081	7082	7083	7084
##	0.8567729	2.1829696	0.2744760	0.2036717	0.2057455	2.7841681	1.6536174
##	7085	7086	7087	7088	7089	7090	7091
##	2.2944521	0.1771322	0.1802217	0.4255196	0.3563524	0.7373718	0.3079664
##	7092	7093	7094	7095	7096	7097	7098
##	0.6256553	0.4424895	0.5972453	0.2330440	1.1224229	0.5277524	0.2969307
##	7099	7100	7101	7102	7103	7104	7105
##	2.5597383	0.9253003	0.7020511	0.1792996	0.3745811	0.2275516	0.2882775
##	7106	7107	7108	7109	7110	7111	7112
##	0.3819563	0.7081635	0.1845296	0.3817167	0.3349292	0.4529785	0.2328322
##	7113	7114	7115	7116	7117	7118	7119
##	1.8432888	0.3809749	0.1598854	1.2490288	0.1769643	1.8432888	1.1997192
##	7120	7121	7122	7123	7124	7125	7126
##	0.1688446	1.1687135	0.1738429	1.8432888	0.3297696	0.2436112	1.0752040
##	7127	7128	7129	7130	7131	7132	7133
##	0.3034547	0.2015959	0.1788340	0.3200306	1.2719134	0.1617043	0.3929500
##	7134	7135	7136	7137	7138	7139	7140
##	0.2163856	0.1981765	0.2680200	1.5116087	0.5585563	0.1636457	0.2642375
##	7141	7142	7143	7144	7145	7146	7147
##	0.3074897	0.2703619	0.3276092	0.2327018	0.1618207	0.1598854	0.6198567
##	7148	7149	7150	7151	7152	7153	7154
##	0.3642216	1.0103690	0.1599442	0.1855816	0.2225086	0.1622807	0.1782426
##	7155	7156	7157	7158	7159	7160	7161
##	0.5765807	0.5390138	0.4743180	0.2625830	0.4146769	0.5272000	0.4611307
##	7162	7163	7164	7165	7166	7167	7168
##	0.4896135	0.8885778	0.2081662	1.7946992	0.2589594	0.1675886	0.4168860

	7169	7170	7171	7172	7173	7174	7175
##	0.1857427	1.6143845	0.1753263	0.2576299	0.1675886	0.1861982	0.1600618
##	7176	7177	7178	7179	7180	7181	7182
##	1.5519662	0.2993725	0.4227217	0.1598854	0.5005758	0.1682884	1.9294062
##	7183	7184	7185	7186	7187	7188	7189
##	0.1641588	0.3176413	0.2541411	0.2990893	0.1600618	0.1950952	0.1599736
##	7190	7191	7192	7193	7194	7195	7196
##	0.1961137	0.1714171	0.3479601	1.3428160	0.1735111	0.1599442	1.1045985
##	7197	7198	7199	7200	7201	7202	7203
##	0.6791149	0.1862315	0.5820947	0.2967267	0.1841353	0.3385419	0.9253003
##	7204	7205	7206	7207	7208	7209	7210
##	1.2856117	0.6769781	0.9132475	1.8037885	0.1705866	0.3552515	0.3944328
##	7211	7212	7213	7214	7215	7216	7217
##	0.2120528	0.2045123	0.6231568	0.1898650	1.2394086	0.5694458	0.1598854
##	7218	7219	7220	7221	7222	7223	7224
##	0.4155361	0.9989233	0.3416610	0.1598854	0.2476384	1.3324350	0.1602381
##	7225	7226	7227	7228	7229	7230	7231
##	0.4325139	0.5078595	0.5814562	0.4756233	0.8181217	1.0613290	0.2768669
##	7232	7233	7234	7235	7236	7237	7238
##	0.5678160	0.3742960	0.1925619	0.1634302	1.5402145	0.1599207	0.3789441
##	7239	7240	7241	7242	7243	7244	7245
##	1.5612209	3.4300430	0.4335992	0.3361775	0.4631472	2.1660927	0.8165320
##	7246	7247	7248	7249	7250	7251	7252
##	0.5277781	0.2233020	2.1780053	0.6071488	0.5746463	0.1972374	0.8287599
##	7253	7254	7255	7256	7257	7258	7259
##	0.1822236	0.5322321	1.2064134	0.2489698	0.1706776	1.4763376	1.1694978
##	7260	7261	7262	7263	7264	7265	7266
##	0.3317919	0.7289989	2.0972152	0.2246924	0.2563790	0.4460075	1.3705242
##	7267	7268	7269	7270	7271	7272	7273
##	0.5823241	0.6169719	0.3737096	0.7001880	0.3405403	0.3910734	0.2553591
##	7274	7275	7276	7277	7278	7279	7280
##	0.2307230	1.7947262	0.2050547	1.8240017	0.2058674	0.2340204	0.2799380
##	7281	7282	7283	7284	7285	7286	7287
##	0.3353011	0.1996456	0.1663269	0.3710906	0.2009701	0.3049653	0.1675405
##	7288	7289	7290	7291	7292	7293	7294
##	1.1342152	0.2622089	0.5920185	1.1342152	0.4495765	0.3460048	0.4569074
##	7295	7296	7297	7298	7299	7300	7301
##	0.1601793	1.1342152	0.2109578	0.3026595	0.5375404	0.1994952	0.1753513
##	7302	7303	7304	7305	7306	7307	7308
##	0.1947448	0.1938726	0.2343441	0.5602476	0.1598854	1.1502088	0.2557214
##	7309	7310	7311	7312	7313	7314	7315
##	0.2563958	0.1971132	0.1937775	0.4357320	0.1919118	1.6469752	0.1947448
##	7316	7317	7318	7319	7320	7321	7322
##	0.1598854	0.1738755	0.3173520	0.3235399	0.1622245	0.1662226	0.1598854
##	7323	7324	7325	7326	7327	7328	7329
##	0.1658187	0.6988904	1.5593177	0.2416898	0.3002368	0.1598854	0.1601793
##	7330	7331	7332	7333	7334	7335	7336
##	0.5164405	0.2966403	1.4306743	0.3513658	0.2164182	0.1628414	1.2853335
##	7337	7338	7339	7340	7341	7342	7343
##	0.4491655	0.1709626	0.3748260	0.4466228	1.3083241	0.2434134	0.1866364

```

##   7344      7345      7346      7347      7348      7349      7350
## 0.2222375 0.3532197 0.1599883 0.5238169 0.1598854 0.4143675 0.1811288
##   7351      7352      7353      7354      7355      7356      7357
## 0.6991591 0.9251084 0.1878591 0.1642590 0.2638285 1.1427362 0.2230236
##   7358      7359      7360      7361      7362      7363      7364
## 0.7851020 0.1642590 0.9033152 0.2239876 0.9020917 0.2391325 0.4799806
##   7365      7366      7367      7368      7369      7370      7371
## 1.5716603 0.2268581 0.1598854 0.2632848 1.2237336 0.1598854 1.5229259
##   7372      7373      7374      7375      7376      7377      7378
## 0.1598854 0.1627444 2.4545529 0.2119999 0.1598854 0.2606753 0.1601117
##   7379      7380      7381      7382      7383      7384      7385
## 0.2453395 0.2680047 0.5344557 0.1598854 0.1598854 0.8556896 0.2809720
##   7386      7387      7388      7389      7390      7391      7392

## 0.5299990 0.3668194 0.2883914 0.2689014 0.2497254 0.1758775 0.6046138

##   7393      7394      7395      7396      7397      7398      7399
## 0.2223578 0.5022947 0.3277568 1.5182135 0.3268165 1.3667700 0.5730044
##   7400      7401      7402      7403      7404      7405      7406
## 0.3063800 0.1969387 0.2660135 0.2829989 0.6893914 0.2459290 2.2057788
##   7407      7408      7409      7410      7411      7412      7413
## 0.1598854 0.4572389 0.1966714 0.4298583 0.2531383 1.0703402 0.1599442
##   7414      7415      7416      7417      7418      7419      7420
## 0.2387667 0.1777776 0.4225199 0.9273307 0.2815407 1.8133669 0.3341754
##   7421      7422      7423      7424      7425      7426      7427
## 0.7606440 0.2191240 0.3716594 0.1709508 0.5472423 0.1602381 0.1598854
##   7428      7429      7430      7431      7432      7433      7434
## 0.4028143 0.6287426 0.8684696 2.7910546 0.2804119 0.6188812 0.4565757
##   7435      7436      7437      7438      7439      7440      7441
## 2.1632716 1.4948359 0.2466770 0.2640767 0.6855218 0.4784177 0.4923503
##   7442      7443      7444      7445      7446      7447      7448
## 0.3327199 0.5862173 0.2336973 0.5464426 0.1698974 0.4741000 0.3544993
##   7449      7450      7451      7452      7453      7454      7455
## 1.5935259 0.7300570 1.3137667 0.1711630 0.7689773 0.3908621 0.1886802
##   7456      7457      7458      7459      7460      7461      7462
## 0.4519990 0.5269487 0.1747641 0.2017239 0.2165193 0.1813904 0.3845964
##   7463      7464      7465      7466      7467      7468      7469
## 0.7735769 0.3083632 0.5992362 0.3365901 0.4410336 0.3795635 0.7073770
##   7470      7471      7472      7473      7474      7475      7476
## 0.1658458 0.9135352 0.2032351 0.4564935 0.1886539 0.1718596 0.5822120
##   7477      7478      7479      7480      7481      7482      7483
## 0.2480605 0.6486770 0.1804534 0.1598854 0.2327596 2.2979810 0.1972452
##   7484      7485      7486      7487      7488      7489      7490
## 0.1667218 1.0817756 0.1599295 1.0817756 0.7929125 0.2544357 0.3142140
##   7491      7492      7493      7494      7495      7496      7497
## 0.1641617 0.2639955 0.2489657 0.1601793 0.1598854 1.0817756 0.1755605
##   7498      7499      7500      7501      7502      7503      7504
## 0.4159228 0.5445458 0.5209212 0.1968613 0.1619399 0.1663724 0.8692638
##   7505      7506      7507      7508      7509      7510      7511
## 0.3577717 2.2262255 0.1599442 0.4684558 0.4823660 0.2145269 0.1745275
##   7512      7513      7514      7515      7516      7517      7518
## 0.2781916 0.1762206 0.7919566 0.1663724 0.1599442 0.8048871 0.4798650

```

```

##   7519      7520      7521      7522      7523      7524      7525
## 0.1711001 2.9864097 0.3272401 3.3038099 0.1676826 0.1626090 0.1598854

##   7526      7527      7528      7529      7530      7531      7532
## 0.2091128 0.1601764 0.3735786 0.4988779 0.2034426 0.1614490 0.1600618
##   7533      7534      7535      7536      7537      7538      7539

## 0.4591081 0.2148523 0.4979375 0.1613722 0.2074992 0.5647983 0.3921897
##   7540      7541      7542      7543      7544      7545      7546
## 0.1709620 0.6219147 3.8108610 0.3083676 0.2805950 0.3046010 0.1823043

##   7547      7548      7549      7550      7551      7552      7553
## 0.2065101 0.1598854 0.1598854 0.2198144 0.2206723 1.7890107 0.2951567
##   7554      7555      7556      7557      7558      7559      7560

## 0.1811563 0.2368890 0.5422211 0.1835651 0.2996126 0.2648893 0.3465482
##   7561      7562      7563      7564      7565      7566      7567

## 1.5815374 0.1775718 0.2953385 0.9891692 0.1902415 1.6834707 0.5368691

##   7568      7569      7570      7571      7572      7573      7574
## 0.1783507 0.9142434 0.6251559 0.6418059 0.2068471 0.1598854 0.2540700
##   7575      7576      7577      7578      7579      7580      7581

## 0.2823974 0.1598854 0.6300948 2.0574047 0.1598854 0.2933681 1.3537873
##   7582      7583      7584      7585      7586      7587      7588
## 0.1598854 0.2235014 1.1781341 0.4835659 0.1601117 1.0971411 0.2021265

##   7589      7590      7591      7592      7593      7594      7595
## 0.2061111 0.2712807 0.7551164 0.1598854 0.3850477 0.1598854 1.9645903
##   7596      7597      7598      7599      7600      7601      7602
## 0.1709620 0.2311450 0.2746425 0.3439402 1.8771204 0.1963572 0.1758199
##   7603      7604      7605      7606      7607      7608      7609
## 0.4967621 0.1967396 0.2823739 0.1885635 0.5388510 0.2855977 0.9182050
##   7610      7611      7612      7613      7614      7615      7616
## 0.2014973 0.8164428 1.4744005 0.3556694 1.9645903 0.1869068 0.4431503
##   7617      7618      7619      7620      7621      7622      7623

0.6257220 0.1917752 1.0273893 0.3415296 0.2758088 0.2219158 1.0241593
7624
0.2861171

pred<-predict(mod)
test_sg$predicted = NA

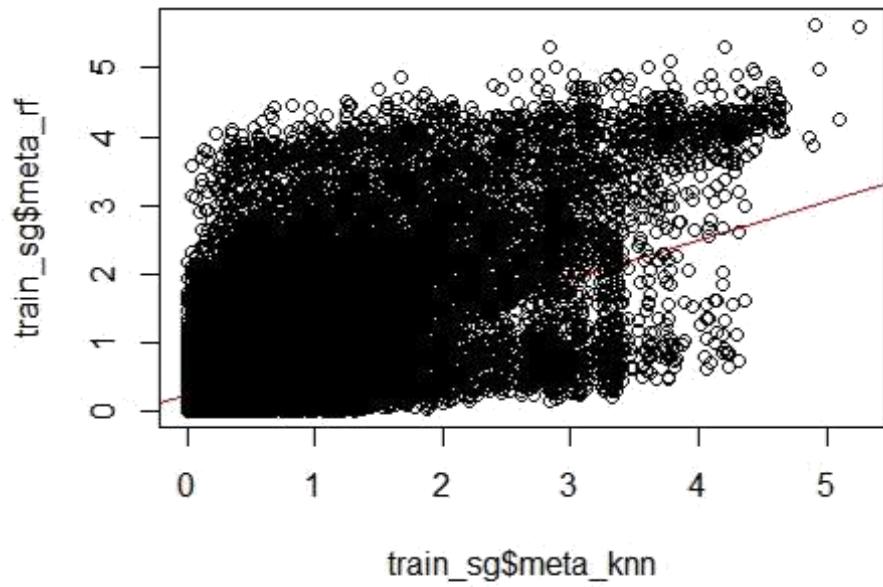
test_sg$predicted = pred
library(car)
dwt(mod)

lag Autocorrelation D-W Statistic p-value

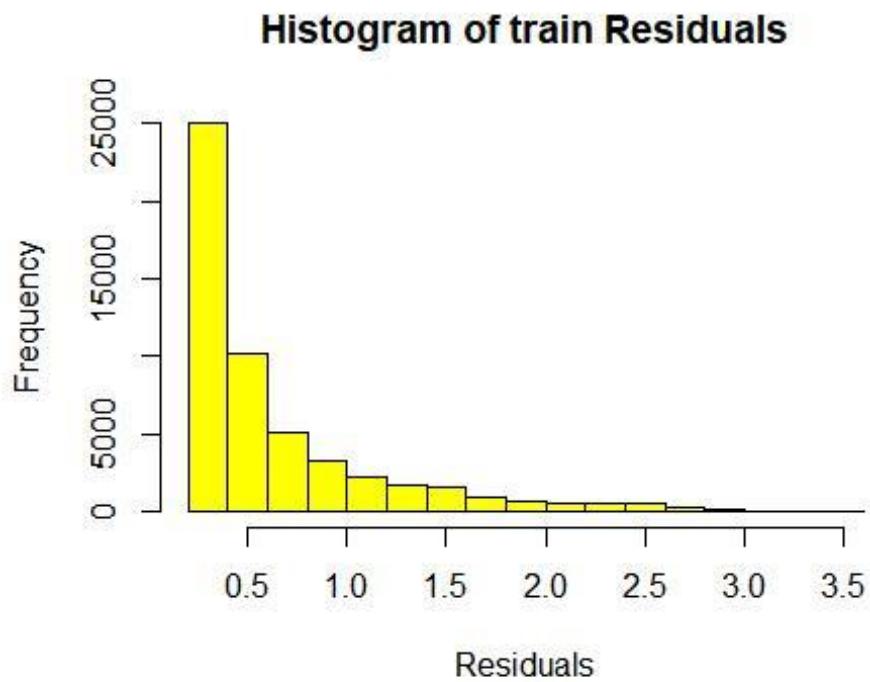
```

```
##   1      0.008002193      1.983926    0.448
Alternative hypothesis: rho != 0

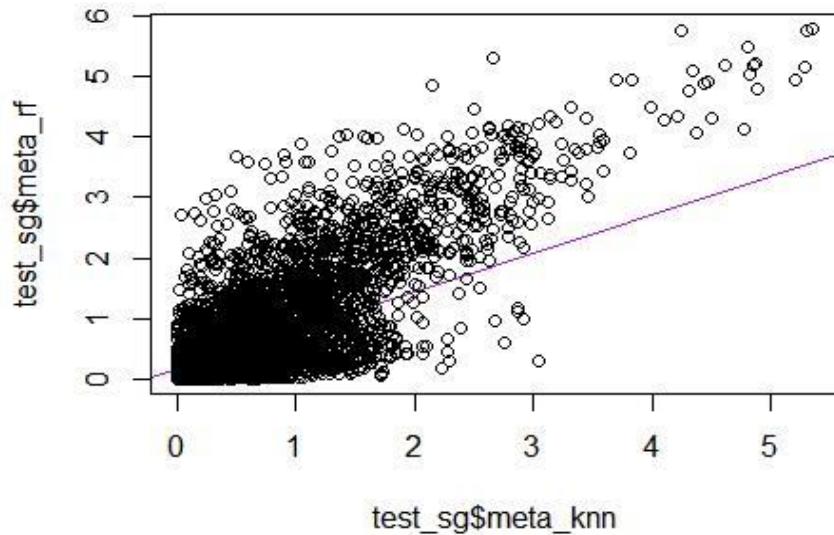
plot(train_sg$meta_knn,train_sg$meta_rf,abline(lm(train_sg$meta_knn~train_sg$meta_rf), col="red"))
```



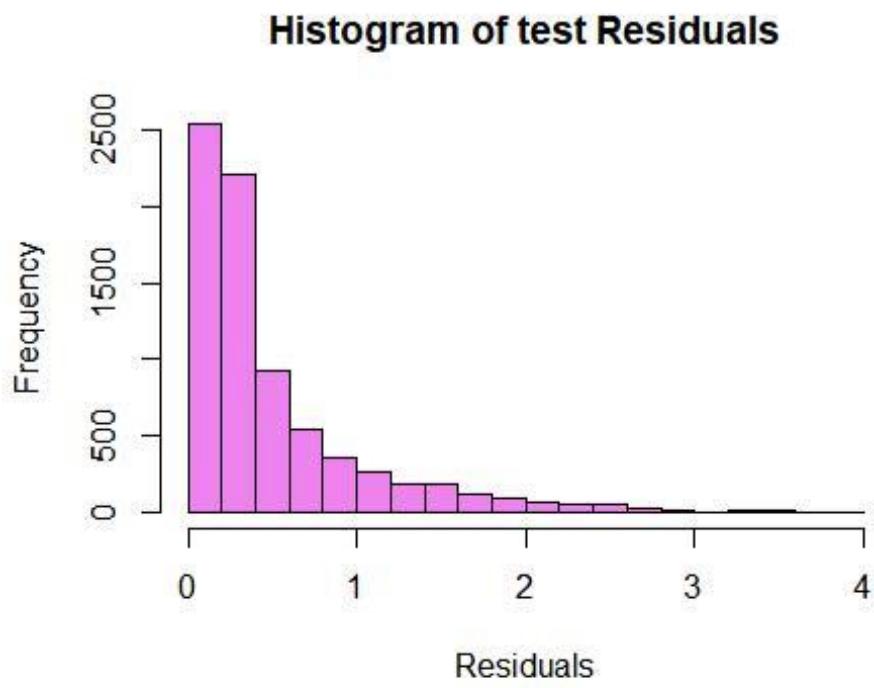
```
hist(train_sg$predicted, xlab = "Residuals", main ='Histogram of train Residuals', col="yellow")
```



```
plot(test_sg$meta_knn,test_sg$meta_rf,abline(lm(test_sg$meta_knn~test_sg$meta_rf), col="purple"))
```



```
hist(test_sg$predicted, xlab = "Residuals", main ='Histogram of test Residuals', col="violet")
```



R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

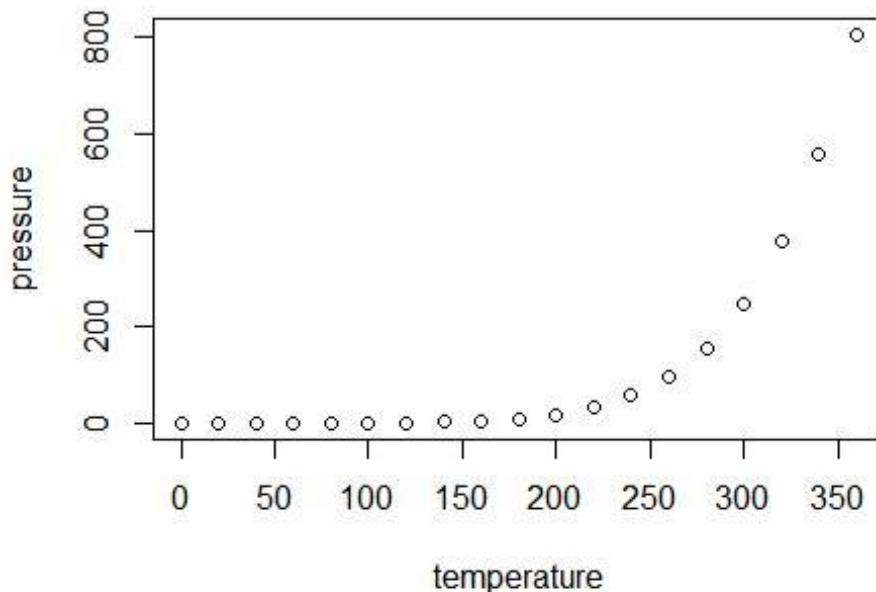
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)

## speed          dist
## Min.   : 4.0   Min.   :  2.00
## 1st Qu.:12.0   1st Qu.: 26.00
## Median :15.0   Median : 36.00
## Mean    :15.4   Mean    : 42.98
## 3rd Qu.:19.0   3rd Qu.: 56.00
## Max.    :25.0   Max.    :120.00
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.