## FeatureTraining log regression

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- a. Predict the no of comments in next H hrs
- b. Use regression technique
- c. Report the training accuracy and test accuracy

## **Data Set Information:**

The Dataset is uploaded in ZIP format. The dataset contains 5 variants of the dataset, for the details about the variants and detailed analysis read and cite the research paper

@INPROCEEDINGS{Sing1503:Comment,

AUTHOR='Kamaljot Singh and Ranjeet Kaur Sandhu and Dinesh Kumar',

TITLE='Comment Volume Prediction Using Neural Networks and Decision Trees',

BOOKTITLE='IEEE UKSim-AMSS 17th International Conference on Computer Modelling and Simulation, UKSim2015 (UKSim2015)',

ADDRESS='Cambridge, United Kingdom',

DAYS=25,

MONTH=mar,

YEAR=2015,

KEYWORDS='Neural Networks; RBF Network; Prediction; Facebook; Comments; Data Mining; REP Tree; M5P Trees.',

ABSTRACT='The leading treads towards social networking services had drawn massive public attention from last one and half decade. The amount of data that is uploaded to these social networking services is increasing day by day. So, there is massive requirement to study the highly dynamic behavior of users towards these services. This is a preliminary work to model the user patterns and to study the effectiveness of machine learning predictive modeling approaches on leading social networking service Facebook

## **Attribute Information:**

(39 - This describes the H hrs, for which we have the target variable/ comments received.

, 54 -Target Variable - Decimal Target The no of comments in next H hrs(H is given in Feature no 39).

Page Popularity/likes

Decimal Encoding

Page feature

Defines the popularity or support for the source of the document.

2

Page Checkins's

**Decimal Encoding** 

Page feature

Describes how many individuals so far visited this place. This feature is only associated with the places eg:some institution, place, theater etc.

3

Page talking about

**Decimal Encoding** 

Page feature

Defines the daily interest of individuals towards source of the document/ Post. The people who actually come back to the page, after liking the page. This include activities such as comments, likes to a post, shares, etc by visitors to the page.

Δ

**Page Category** 

Value Encoding

Page feature

Defines the category of the source of the document eg: place, institution, brand etc.

5 - 29

Derived

**Decimal Encoding** 

Derived feature

These features are aggregated by page, by calculating min, max, average, median and standard deviation of essential features.

30

CC1

**Decimal Encoding** 

Essential feature

The total number of comments before selected base date/time.

31

CC2

**Decimal Encoding** 

**Essential feature** 

The number of comments in last 24 hours, relative to base date/time.

32

CC3

**Decimal Encoding** 

**Essential feature** 

The number of comments in last 48 to last 24 hours relative to base date/time.

33

CC4

**Decimal Encoding** 

Essential feature

The number of comments in the first 24 hours after the publication of post but before base date/time.

34

CC5

**Decimal Encoding** 

Essential feature

The difference between CC2 and CC3.

35

Base time

Decimal(0-71) Encoding

Other feature

Selected time in order to simulate the scenario.

36

Post length

**Decimal Encoding** 

Other feature

Character count in the post.

37

**Post Share Count** 

تزيم Decimal Encoding

Other feature

This features counts the no of shares of the post, that how many peoples had shared this post on to their timeline.

38

Post Promotion Status

Binary Encoding

Other feature

To reach more people with posts in News Feed, individual promote their post and this features tells that whether the post is promoted(1) or not(0).

39

H Local

Decimal(0-23) Encoding

Other feature

This describes the H hrs, for which we have the target variable/ comments received.

40-46

Post published weekday

Binary Encoding Weekdays feature

This represents the day(Sunday...Saturday) on which the post was published.

47-53
Base DateTime weekday
Binary Encoding
Weekdays feature

This represents the day(Sunday...Saturday) on selected base Date/Time.

54 Target Variable Decimal Target

The no of comments in next H hrs(H is given in Feature no 39).

```
library(readr)
 Features Variant 1 <- read.csv("C:/users/seshan/Documents/Dataset/Dataset/Tr</pre>
aining/Features Variant 1.csv")
dim(Features_Variant_1)
## [1] 40948
                54
Features<-Features Variant 1
normalize<-function(x) {return((x-min(x))/(max(x)-min(x)))}</pre>
Features_norm<-as.data.frame(lapply(Features, normalize))</pre>
Features_norm
##
              X634995
                                X0
                                            X463
                                                         X1
                                                                    X0.0
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 1
## 2
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
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         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
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         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
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## 613
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 614
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 615
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
```

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## 616
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         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 617
## 618
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## 619
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## 620
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## 621
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## 622
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## 623
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## 624
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## 625
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## 626
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## 627
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## 628
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## 629
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## 630
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## 631
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## 632
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## 633
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## 634
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## 635
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## 636
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## 637
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## 638
## 639
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## 640
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## 641
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## 642
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## 644
## 645
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         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 646
## 647
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## 648
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## 649
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## 653
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## 654
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         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
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## 657
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## 658
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## 659
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## 660
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## 661
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## 662
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## 663
## 664
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## 665
         4.689477e-03 0.000000e+00 7.422074e-05 0.12380952 0.0008543358
```

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## 666
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## 667
         4.689477e-03 0.000000e+00 7.422074e-05 0.12380952 0.0008543358
## 668
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## 669
## 670
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## 671
         5.326792e-06 0.000000e+00 1.642052e-07 0.13333333 0.0000000000
## 672
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## 674
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## 676
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## 677
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##
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## 683
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## 684
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.0000000000
## 685
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## 686
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## 687
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## 688
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## 699
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##
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## 701
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##
##
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         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 709
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## 710
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## 711
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 712
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 713
##
  714
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 715
```

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1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 716
## 717
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## 718
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## 719
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## 720
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## 721
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         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
##
  723
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## 724
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 725
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 726
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 727
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
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## 729
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## 730
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 731
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## 732
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## 733
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 734
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## 736
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
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         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 738
##
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         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
  740
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##
  741
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## 744
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## 745
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
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         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
## 747
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##
  748
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         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 749
##
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## 751
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 752
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         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
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##
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## 757
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
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## 762
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         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 763
##
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## 765
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
```

```
## 766
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## 784
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## 785
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## 786
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         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
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##
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## 805
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## 806
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## 1014
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1015
        2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
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2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1016
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## 1019
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         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
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         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1023
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1024
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
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## 1025
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## 1066
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## 1080
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## 1089
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## 1090
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## 1098
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1099
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1100
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1101
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1102
## 1103
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1104
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1105
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1106
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1107
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1108
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1109
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1110
## 1111
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1112
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1113
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1114
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
```

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5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1116
## 1117
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1118
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1119
## 1120
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## 1121
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1122
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1123
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## 1124
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## 1125
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## 1126
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## 1127
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## 1128
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## 1129
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## 1130
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## 1131
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## 1132
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1133
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1134
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1135
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1136
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1137
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1138
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1139
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1140
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1141
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1142
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1143
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1144
## 1145
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1146
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1147
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1148
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1149
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## 1150
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## 1151
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## 1152
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1153
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1154
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1155
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1157
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1158
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1159
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## 1160
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## 1161
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## 1162
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1163
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1164
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
        5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
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5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1166
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         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1168
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1169
## 1170
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## 1171
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1172
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1173
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1174
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1175
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1176
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1177
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1178
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1179
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## 1180
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## 1181
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## 1182
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1183
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1184
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1185
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1186
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1187
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1188
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
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         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
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         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1191
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1192
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1193
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1194
## 1195
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1196
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1197
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1198
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## 1199
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## 1200
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## 1201
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## 1202
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1203
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1204
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1205
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1207
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## 1208
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## 1209
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1210
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1211
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1212
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1213
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
##
  1214
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
```

```
5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1216
## 1217
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1218
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1219
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1220
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1221
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1222
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1223
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.000000000
## 1224
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1225
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1226
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1227
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1228
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1229
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1230
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1231
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1232
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1233
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1234
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1235
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1236
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1237
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1238
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1239
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1240
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1241
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1242
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1243
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1244
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1245
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1246
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1247
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1248
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1249
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1250
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1251
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1252
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1253
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1254
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1255
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1257
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1258
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1259
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1260
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1261
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1262
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1263
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1264
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
        5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
```

```
5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1266
## 1267
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1268
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1269
## 1270
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1271
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1272
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1273
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1274
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1275
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1276
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1277
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1278
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1279
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1280
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1281
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1282
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1283
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1284
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1285
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1286
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1287
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1288
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1289
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1290
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1291
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1292
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1293
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.00000000000
## 1294
## 1295
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1296
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1297
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1298
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1299
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1300
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1301
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1302
## 1303
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1304
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1305
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1306
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1307
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1308
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1309
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1310
## 1311
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1312
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1313
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1314
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1315 9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
```

```
9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1316
## 1317
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 1318
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1319
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1320
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1321
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1322
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1323
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1324
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1325
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1326
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1327
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1328
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1329
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1330
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1331
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1332
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1333
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1334
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1335
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1336
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1337
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1338
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.000000000
## 1339
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.000000000
## 1340
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1341
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1342
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1343
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1344
## 1345
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.000000000
## 1346
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1347
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1348
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1349
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1350
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.000000000
## 1351
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1352
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1353
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1354
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1355
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1356
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.000000000
## 1357
         3.877285e-04 0.000000e+00 4.031237e-04 0.00000000 0.0000000000
## 1358
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1359
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1360
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1361
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1362
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1363
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1364
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
        3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
```

```
3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1366
## 1367
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1368
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1369
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1370
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1371
         3.254806e-06 2.253582e-03 3.776719e-06 0.20952381 0.0000000000
## 1372
         4.220452e-03 0.000000e+00 4.319056e-02 0.00952381 0.0410081162
## 1373
         4.220452e-03 0.000000e+00 4.319056e-02 0.00952381 0.0410081162
## 1374
         4.220452e-03 0.000000e+00 4.319056e-02 0.00952381 0.0410081162
## 1375
         4.220452e-03 0.000000e+00 4.319056e-02 0.00952381 0.0410081162
## 1376
         4.220452e-03 0.000000e+00 4.319056e-02 0.00952381 0.0410081162
## 1377
         4.220452e-03 0.000000e+00 4.319056e-02 0.00952381 0.0410081162
## 1378
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1379
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1380
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1381
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1382
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1383
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1384
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1385
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1386
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1387
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1388
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1389
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1390
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1391
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1392
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1393
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1394
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1395
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1396
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1397
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1398
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1399
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1400
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1401
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1402
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1403
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1404
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1405
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1406
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1407
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1408
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1409
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1410
## 1411
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1412
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1413
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1414
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
```

```
1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1416
## 1417
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1418
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1419
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1420
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1421
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1422
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1423
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## 1474
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## 1493
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## 1501
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## 1502
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## 1506
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## 1507
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## 1508
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## 1510
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## 1511
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## 1518
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## 1519
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## 1523
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
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## 1530
## 1531
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## 1533
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## 1537
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## 1542
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## 1544
## 1545
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## 1547
## 1548
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        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
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4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
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## 1573
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         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1575
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## 1584
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## 1602
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## 1603
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## 1604
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## 1605
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## 1609
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## 1610
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## 1612
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## 1613
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## 1614
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        4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
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## 1617
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## 1620
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1621
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## 1623
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.000000000
## 1624
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## 1625
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## 1660
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## 1664
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## 1665
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## 1693
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## 1708
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## 1711
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## 1713
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## 1714
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## 1715 2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
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## 1718
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## 1720
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## 1742
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## 1743
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## 1749
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## 1757
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         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
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## 1763
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## 1764
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## 1777
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## 1780
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## 1781
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## 1783
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## 1786
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         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
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         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1791
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1792
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## 1793
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1794
## 1795
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## 1796
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## 1797
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1798
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## 1801
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## 1802
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## 1803
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## 1804
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## 1805
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
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         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
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## 1809
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## 1811
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1812
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1813
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## 1824
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## 1828
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## 1831
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## 1848
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##	924	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	925	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	926	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	927	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	928	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	929	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	930	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	931	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	932	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	933	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	934	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	935	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	936	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	937	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	938	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	939	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	940	0.0055531824	5.427923e-04	0.000000000	0.0028410252
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	942	0.0055531824	5.427923e-04	0.000000000	0.0028410252
	943	0.0055531824		0.000000000	0.0028410252
	944	0.0055531824		0.0000000000	0.0028410252
	945	0.0055531824		0.000000000	0.0028410252
	946	0.0055531824		0.0000000000	0.0028410252
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	948	0.0055531824		0.000000000	0.0028410252
	949	0.0055531824		0.0000000000	0.0028410252
	950	0.0055531824		0.0000000000	0.0028410252
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	954	0.0055531824		0.000000000	0.0028410252
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##	967	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	968	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	969	0.0055531824	5.427923e-04	0.000000000	0.0028410252
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##	971	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	972	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
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##	976	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	977	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	978	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	979	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	980	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	981	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	982	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	983	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	984	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
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	1004	0.3255019223		0.0194361384	0.1557590362
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	1010	0.3255019223		0.0194361384	0.1557590362
	1011	0.3255019223		0.0194361384	0.1557590362
	1012	0.3255019223		0.0194361384	0.1557590362
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## 1016	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1017	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1018	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1019	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1020	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1021	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1022	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
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## 1064 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1066 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1067 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1068 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1070 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1071 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1072 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1073 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1074 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1075 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1076 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1077 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1077 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1079 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1079 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1079 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1080 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1080 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1081 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1082 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1088 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1089 0.3255019223 3.287021e-02 0.0194361384 0.1557590362   ## 1090 0.3255019223 3.287021e-02 0.0194361384 0.1557590362	## 1065 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1067 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1068 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1070 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1070 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1071 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1071 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1073 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1073 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1074 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1075 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1075 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1076 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1076 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1078 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1078 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1078 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1088 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1081 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1089 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1089 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1089 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1090 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 109						
## 1066	## 1066						
## 1067	## 1067						
## 1068	## 1068						
## 1069	## 1069						
## 1070	## 1070	##	1068	0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1071	## 1071	##	1069	0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1072	## 1072				3.287021e-02 0.019	94361384	0.1557590362
## 1073	## 1073	##	1071				0.1557590362
## 1074	## 1074	##	1072	0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1075	## 1075	##	1073	0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1076	## 1076			0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1077	## 1077	##	1075		3.287021e-02 0.019	94361384	0.1557590362
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## 1080	## 1080						
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## 1082	## 1082	##	1080	0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1083	## 1083						
## 1084	## 1084						
## 1085	## 1085						
## 1086	## 1086  0.3255019223						
## 1087	## 1087						
## 1088	## 1088						
## 1089	## 1089						
## 1090  0.3255019223	## 1090  0.3255019223						
## 1091 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1092 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1093 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1094 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1095 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1096 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1097 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1098 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1099 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1101 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.43255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1091 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1092 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1093 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1094 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1095 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1096 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1097 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1098 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1099 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1101 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1092	## 1092						
## 1093	## 1093						
## 1094  0.3255019223	## 1094						
## 1095  0.3255019223	## 1095  0.3255019223  3.287021e-02  0.0194361384  0.1557590362  ## 1096  0.3255019223  3.287021e-02  0.0194361384  0.1557590362  ## 1097  0.3255019223  3.287021e-02  0.0194361384  0.1557590362  ## 1098  0.3255019223  3.287021e-02  0.0194361384  0.1557590362  ## 1099  0.3255019223  3.287021e-02  0.0194361384  0.1557590362  ## 1100  0.3255019223  3.287021e-02  0.0194361384  0.1557590362  ## 1101  0.3255019223  3.287021e-02  0.0194361384  0.1557590362  ## 1102  0.3255019223  3.287021e-02  0.0194361384  0.1557590362  ## 1102  0.3255019223  3.287021e-02  0.0194361384  0.1557590362  ## 1103  0.3255019223  3.287021e-02  0.0194361384  0.1557590362  ## 1104  0.0448526271  3.916103e-03  0.0021358394  0.0186521307  ## 1105  0.0448526271  3.916103e-03  0.0021358394  0.0186521307  ## 1107  0.0448526271  3.916103e-03  0.0021358394  0.0186521307  ## 1108  0.0448526271  3.916103e-03  0.0021358394  0.0186521307  ## 1109  0.0448526271  3.916103e-03  0.0021358394  0.0186521307  ## 1109  0.0448526271  3.916103e-03  0.0021358394  0.0186521307  ## 1109  0.0448526271  3.916103e-03  0.0021358394  0.0186521307  ## 1110  0.0448526271  3.916103e-03  0.0021358394  0.0186521307  ## 1110  0.0448526271  3.916103e-03  0.0021358394  0.0186521307  ## 1110  0.0448526271  3.916103e-03  0.0021358394  0.0186521307  ## 1111  0.0448526271  3.916103e-03  0.0021358394  0.0186521307						
## 1096  0.3255019223	## 1096  0.3255019223						
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## 1103  0.3255019223	## 1103  0.3255019223						
## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
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## 1108  0.0448526271	## 1108						
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## 1112 $\alpha \alpha 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 $	## 1113 M'AA403707/1 3'2101834-NJ M'ANJAJA N'AINJAJAJAJA						
## TII) 0.04403202/I 3.3I0I038-03 0.002I330334 0.0I8032I30/		##	1112	U. U440JZDZ/I	J. JIUIUJE-UJ W.WWZ	11330374	0.010037130/

## 1114	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1115	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1116	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1117	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1118	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1119	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1120	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1121	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1122	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1123	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1124	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1125	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1126	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1127	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1128	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1129	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1130	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
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## 1132	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1133	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1134	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1135	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1136	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1137	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1138	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1139	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1140	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1141	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1142	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1143	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1144	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1145	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1146	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1147	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1148	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1149	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1150	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1151	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1152	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1153 ## 1154	0.0448526271 0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307 0.0186521307
## 1154 ## 1155	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1156		3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	
## 1156	0.0448526271 0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307 0.0186521307
## 1157 ## 1158	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1158	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1160	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1160	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1161	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1162	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
"" 1103	J. J. T. T. J. Z.	3.7101030 03 0.0021330374	0.0100721707

##	1164	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
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##	1166	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1167	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1168	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1169	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1170	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1171	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1172	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1173	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1174	0.0448526271	3.916103e-03		0.0186521307
	1175	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
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##	‡ 1214	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1215	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<sup>‡</sup> 1216	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1217	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1218	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1219	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1220	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1221	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1222	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<b>1223</b>	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<sup>‡</sup> 1224	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ <b>122</b> 5	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<b>1226</b>	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1227	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1228	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1229	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<b>1230</b>	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1231	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<sup>‡</sup> 1232	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<b>1233</b>	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<sup>‡</sup> 1234	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<b>1235</b>	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<b>1236</b>	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<b>1237</b>	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<sup>‡</sup> 1238	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	<b>1239</b>	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
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	‡ 1252	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	<b>1253</b>	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
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	‡ 1255	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
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##	<b>1263</b>	0.0448526271	3.916103e-03 0.0021358394	0.0186521307

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## 127	3 0.0448526271	3.916103e-03		0.0186521307
## 127	4 0.0448526271	3.916103e-03	0.0021358394	0.0186521307
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## 130 ## 130		3.003600e-02 3.003600e-02		0.1095190532 0.1095190532
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## 131 ## 131		3.003600e-02		0.1095190532
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<b>пп т</b> ЭТ	5 0.12550/5550	J.00J000E-02	0.014727/0/0	0.1023130332

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                              3.661439e-04 0.0000000000
## 1359
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                              3.661439e-04 0.00000000000
## 1361
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## 1362
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## 1363
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## 1825
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## 7
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## 9
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```

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## 609
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## 610
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## 611
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```

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```

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```

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```

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## 1323
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## 1326
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## 1385
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## 1389
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```

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##
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##
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##
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## 4
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##
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## 59
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## 63
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## 671
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## 709
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             0.0043879549 0.00000000 0.002492212
## 1359
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```

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```

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## 3
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                                                 0.0999152131 0.3943447856
## 5
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## 200 2.935917e-01 0.2462298492 0.5437211992 0.00060808 ## 201 2.935917e-01 0.2462298492 0.5437211992 0.00060808					
## 201 2.935917e-01 0.2462298492 0.5437211992 0.00060808					
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## 204					
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	11992 0.00000000/0	0.343/211392	. 0.2402230432	2.95591/8-01	## 200

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## 853 ## 854	6.412287e-04 0.0000000000	0.0029332666 0.4134995439
## 854 ## 855	6.412287e-04 0.00000000000 6.412287e-04 0.0000000000	0.0029332666 0.4134995439 0.0029332666 0.4134995439
π# OJ3	0.41220/6-04 0.00000000000	0.0023332000 0.4134333433

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	1652	8.039240e-04		0.0051795815	
	1653	8.039240e-04			0.4116752812
	1654	8.039240e-04			0.4116752812
##	1655	8.039240e-04	0.0000000000	0.0051/95815	0.4116752812

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## 1756
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## 1800
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## 1837
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## 1842
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## 1848
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## 1849
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## 1850
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## 1851
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                                            X0.0.6 X69.85058043098057
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                                                          0.0931701827
## 2
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                            0.100993742 0.13025780
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## 3
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```

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## 6	0.44240035	0.100993742 0.13025780	0.0931701827
## 7	0.44240035	0.100993742 0.13025780	0.0931701827
## 8	0.44240035	0.100993742 0.13025780	0.0931701827
## 9	0.44240035	0.100993742 0.13025780	0.0931701827
## 10	0.44240035	0.100993742 0.13025780	0.0931701827
## 11	0.44240035	0.100993742 0.13025780	0.0931701827
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## 13	0.44240035	0.100993742 0.13025780	0.0931701827
## 14	0.44240035	0.100993742 0.13025780	0.0931701827
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## 16	0.44240035	0.100993742 0.13025780	0.0931701827
## 17	0.44240035	0.100993742 0.13025780	0.0931701827
## 18	0.44240035	0.100993742 0.13025780	0.0931701827
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##
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## 1
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 74
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      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
 78
      79
##
      0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
      ## 80
## 81
      ## 82
      ## 83
      0.0029901751 0.0004810005 0.003738318 0.0032051282 0.3950653120
## 84
      0.0025630073 0.0000000000 0.000000000 0.0027472527 0.3965166909
## 85
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
 86
      87
      0.0042716788 0.0000000000 0.006230530 0.0045787546 0.3936139332
##
      ## 88
## 89
      ## 90
      0.0029901751 0.0000000000 0.000623053 0.0032051282 0.3962264151
## 91
      0.0017086715 0.0000000000 0.002492212 0.0018315018 0.3953555878
## 92
      0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 93
      0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 94
      0.0038445109 0.0004810005 0.000623053 0.0032051282 0.3965166909
      ## 95
## 96
      0.0025630073 0.0000000000 0.000623053 0.0027472527 0.3962264151
## 97
      0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 98
      0.0046988466 0.0014430014 0.004984424 0.0041208791 0.3950653120
## 99
      0.0059803503 0.0057720058 0.001246106 0.0045787546 0.3994194485
## 100
      0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 101
```

```
## 102
       0.0354549338 0.0033670034 0.047352025 0.0352564103 0.3764876633
       ## 103
## 104
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 105
## 106
       ## 107
       ## 108
       0.0021358394 0.0000000000 0.003115265 0.0022893773 0.3950653120
## 109
       0.0046988466 0.0052910053 0.000000000 0.0018315018 0.3997097242
## 110
       ## 111
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 112
       ## 113
       ## 114
       0.0008543358 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 115
       ## 116
       0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 117
       ## 118
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 119
       ## 120
       0.0106791969 0.0033670034 0.011214953 0.0109890110 0.3933236575
## 121
       0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 122
       0.3442973088 0.3876863877 0.000000000 0.3690476190 0.6304789550
## 123
       0.0008543358 0.0004810005 0.000000000 0.0004578755 0.3968069666
       0.0008543358 0.0004810005 0.000623053 0.0004578755 0.3965166909
## 124
## 125
       0.0439982913 0.0019240019 0.018691589 0.0393772894 0.3889695210
## 126
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 127
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 128
       ## 129
       0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 130
       0.0008543358 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 131
       0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 132
       0.0012815036 0.0009620010 0.000623053 0.0009157509 0.3968069666
## 133
       ## 134
       0.5040580948 0.1130351130 0.588785047 0.5036630037 0.1904208999
       0.1973515592 0.2222222222 0.000000000 0.2115384615 0.5306240929
## 135
## 136
       0.8573259291 0.1996151996 0.991900312 0.8108974359 0.0548621190
## 137
       0.1448099103 0.1630591631 0.000000000 0.1552197802 0.4949201742
## 138
       0.2315249893 0.0024050024 0.049844237 0.2165750916 0.3747460087
## 139
       0.1029474584 0.0259740260 0.116510903 0.1053113553 0.3579100145
## 140
       0.4041008116 0.2049062049 0.323987539 0.4162087912 0.3692307692
       0.3049978642 0.0692640693 0.355140187 0.3154761905 0.2728592163
## 141
## 142
       0.4275950449 0.0327080327 0.380685358 0.4230769231 0.2388969521
## 143
       0.0845792396 0.0952380952 0.000000000 0.0906593407 0.4539912917
## 144
       0.2947458351 0.0115440115 0.148286604 0.2934981685 0.3343976778
## 145
       0.1503630927 0.0230880231 0.189408100 0.1478937729 0.3222060958
       0.3348996155 0.0072150072 0.073520249 0.3292124542 0.3666182874
## 146
## 147
       0.1166168304 0.0153920154 0.150155763 0.1153846154 0.3358490566
## 148
       0.1072191371 0.0062530063 0.046105919 0.1025641026 0.3788098694
## 149
       0.4237505340 0.4771524772 0.000000000 0.4542124542 0.6844702467
## 150
       0.7001281504 0.0582010582 0.183177570 0.6410256410 0.3462989840
## 151
       0.2199914566 0.2477152477 0.000000000 0.2358058608 0.5460087083
```

```
## 152
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## 153
         0.1328492097 0.1495911496 0.000000000 0.1423992674 0.4867924528
## 154
         0.1345578812 0.0553150553 0.124610592 0.1419413919 0.3718432511
## 155
         0.3763348996 0.4237614238 0.000000000 0.4033882784 0.6522496372
## 156
         0.3229389150 0.0153920154 0.167601246 0.3232600733 0.3277213353
## 157
         0.2174284494 0.0062530063 0.031775701 0.2170329670 0.3854862119
## 158
         0.4284493806 0.0428090428 0.119626168 0.3695054945 0.3666182874
## 159
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## 160
         0.3652285348 0.0081770082 0.074766355 0.3543956044 0.3666182874
## 161
         0.2088850918 0.0115440115 0.047975078 0.2000915751 0.3811320755
## 162
         0.0803075609 0.0904280904 0.000000000 0.0860805861 0.4510885341
## 163
         0.2507475438 0.2823472823 0.000000000 0.2687728938 0.5669085631
## 164
         0.2486117044 0.0779220779 0.261682243 0.2385531136 0.3216255443
## 165
         0.3212302435 0.3617123617 0.000000000 0.3443223443 0.6148040639
## 166
         0.1960700555 0.0322270322 0.244236760 0.1891025641 0.3021770682
## 167
         0.2118752670 0.0379990380 0.259813084 0.2225274725 0.2984034833
## 168
         0.2020504058 0.2275132275 0.000000000 0.2165750916 0.5338171263
## 169
         0.2024775737 0.0687830688 0.206230530 0.2101648352 0.3419448476
## 170
         0.1290046988 0.1452621453 0.000000000 0.1382783883 0.4841799710
## 171
         0.7885519009 0.1159211159 1.000000000 0.7348901099 0.0005805515
## 172
         0.3566851773 0.4016354016 0.000000000 0.3823260073 0.6388969521
         0.4412644169 0.1370851371 0.466043614 0.4317765568 0.2621190131
## 173
## 174
         0.0619393422 0.0168350168 0.068535826 0.0654761905 0.3747460087
## 175
         0.3182400683 0.3583453583 0.000000000 0.3411172161 0.6127721335
## 176
         0.3340452798 0.3761423761 0.000000000 0.3580586081 0.6235123367
## 177
         0.2357966681 0.0298220298 0.305295950 0.2413003663 0.2722786647
## 178
         0.1003844511 0.1130351130 0.000000000 0.1076007326 0.4647314949
## 179
         0.2648440837 0.2982202982 0.000000000 0.2838827839 0.5764876633
## 180
         0.2050405809 0.2308802309 0.000000000 0.2197802198 0.5358490566
## 181
         0.5296881674 0.5964405964 0.000000000 0.5677655678 0.7564586357
## 182
         0.0756087142 0.0851370851 0.000000000 0.0810439560 0.4478955007
## 183
         0.0965399402 0.0245310245 0.109034268 0.0906593407 0.3605224964
## 184
         0.6497223409 0.2578162578 0.613707165 0.6579670330 0.2661828737
## 185
         0.5459205468 0.0711880712 0.704049844 0.5288461538 0.1114658926
## 186
         0.1157624947 0.0009620010 0.031152648 0.1185897436 0.3825834543
## 187
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## 188
         0.5745407945 0.6469456469 0.000000000 0.6158424908 0.7869375907
## 189
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## 190
         0.0751815463 0.0129870130 0.092834891 0.0782967033 0.3611030479
## 191
         0.1866723622 0.0264550265 0.238006231 0.1831501832 0.3015965167
## 192
         0.2276804784 0.0052910053 0.029906542 0.2170329670 0.3857764877
## 193
         0.0183682187 0.0004810005 0.008722741 0.0173992674 0.3927431060
## 194
         0.0627936779 0.0707070707 0.000000000 0.0673076923 0.4391872279
## 195
         0.0529688167 0.0596440596 0.000000000 0.0567765568 0.4325108853
## 196
         0.3605296882 0.0577200577 0.451090343 0.3589743590 0.2211901306
## 197
         0.0491243059 0.0553150553 0.000000000 0.0526556777 0.4298984035
## 198
         0.2473302008 0.0149110149 0.066666667 0.2408424908 0.3744557329
## 199
         0.1550619393 0.1746031746 0.000000000 0.1662087912 0.5018867925
## 200
         0.1332763776 0.0091390091 0.041121495 0.1263736264 0.3828737300
## 201
         0.3793250748 0.2385762386 0.244236760 0.3919413919 0.4267053701
```

```
## 202
        0.1537804357 0.1731601732 0.000000000 0.1648351648 0.5010159652
## 203
        0.7240495515 0.1014911015 0.578816199 0.6588827839 0.1880986938
## 204
        0.1815463477 0.0076960077 0.028037383 0.1717032967 0.3880986938
## 205
        0.1106364801 0.0024050024 0.020560748 0.1034798535 0.3883889695
## 206
        0.1337035455 0.0168350168 0.062928349 0.1185897436 0.3773584906
## 207
        0.1358393849 0.1529581530 0.000000000 0.1456043956 0.4888243832
## 208
        0.1251601880 0.0495430495 0.118380062 0.1304945055 0.3712626996
##
  209
        0.3498504912 0.0293410293 0.154517134 0.3237179487 0.3422351234
## 210
        0.0965399402 0.0283790284 0.104049844 0.0924908425 0.3651669086
## 211
        0.2212729603 0.2491582492 0.000000000 0.2371794872 0.5468795356
## 212
        0.0012815036 0.0009620010 0.000623053 0.0009157509 0.3968069666
## 213
        0.0375907732 0.0000000000 0.005607477 0.0375457875 0.3939042090
## 214
        0.0862879111 0.0081770082 0.068535826 0.0847069597 0.3695210450
        ## 215
## 216
        0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 217
        ## 218
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## 219
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## 220
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## 221
        ## 222
        0.0017086715 0.0000000000 0.000623053 0.0018315018 0.3962264151
## 223
        0.0029901751 0.0000000000 0.000000000 0.0032051282 0.3965166909
## 224
## 225
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## 226
        0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 227
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## 228
        0.0076890218 0.0086580087 0.000000000 0.0082417582 0.4017416546
## 229
        0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 230
        0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 231
        0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 232
        0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 233
        0.0085433575 0.0000000000 0.012461059 0.0091575092 0.3907111756
## 234
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## 235
        0.0029901751 0.0000000000 0.004361371 0.0032051282 0.3944847605
## 236
        0.0029901751 0.0009620010 0.003115265 0.0027472527 0.3956458636
## 237
        0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 238
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## 239
        0.0025630073 0.0000000000 0.000623053 0.0027472527 0.3962264151
## 240
        0.0017086715 0.0000000000 0.000000000 0.0018315018 0.3965166909
## 241
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## 242
        0.0093976933 0.0000000000 0.001869159 0.0096153846 0.3956458636
## 243
        0.2328064930 0.0423280423 0.182554517 0.2032967033 0.3370101597
## 244
        0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 245
        ## 246
        0.0017086715 0.0000000000 0.000000000 0.0018315018 0.3965166909
## 247
        0.0076890218 0.0057720058 0.003738318 0.0082417582 0.3982583454
## 248
        0.0798803930 0.0206830207 0.089719626 0.0833333333 0.3671988389
## 249
        0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 250
        0.2306706536 0.0062530063 0.038006231 0.2147435897 0.3825834543
## 251
        0.0012815036 0.0004810005 0.001246106 0.0009157509 0.3962264151
```

```
0.0034173430 0.0024050024 0.001869159 0.0036630037 0.3970972424
## 252
## 253
        ## 254
        0.0068346860 0.0076960077 0.000000000 0.0073260073 0.4011611030
## 255
        0.0008543358 0.0004810005 0.000623053 0.0000000000 0.3965166909
## 256
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 257
        0.0085433575 0.0096200096 0.000000000 0.0091575092 0.4023222061
## 258
        0.1537804357 0.0076960077 0.046728972 0.1369047619 0.3793904209
  259
##
        0.0012815036 0.0000000000 0.000623053 0.0013736264 0.3962264151
## 260
        0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
        ## 261
## 262
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## 263
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## 264
        0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 265
## 266
        0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 267
        0.0038445109 0.0000000000 0.000623053 0.0041208791 0.3962264151
## 268
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## 269
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## 270
        0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 271
        0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 272
        0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 273
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## 274
        0.1768475011 0.0447330447 0.200000000 0.1785714286 0.3303338171
## 275
        0.2178556173 0.0096200096 0.080996885 0.2133699634 0.3645863570
## 276
        0.1144809910 0.0019240019 0.015576324 0.1149267399 0.3904208999
## 277
        ## 278
        0.0017086715 0.0000000000 0.000623053 0.0018315018 0.3962264151
## 279
        0.1482272533 0.1669071669 0.000000000 0.1588827839 0.4972423803
## 280
        0.0465612986 0.0009620010 0.018068536 0.0421245421 0.3886792453
## 281
        0.0017086715 0.0000000000 0.000623053 0.0013736264 0.3962264151
## 282
        0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 283
        0.0021358394 0.0009620010 0.001869159 0.0022893773 0.3962264151
## 284
        0.2340879966 0.2635882636 0.000000000 0.2509157509 0.5555878084
## 285
        0.5241349850 0.3554593555 0.304049844 0.5407509158 0.4693759071
## 286
        0.0252029047 0.0283790284 0.000000000 0.0270146520 0.4136429608
## 287
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 288
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 289
        0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 290
        ## 291
        0.0046988466 0.0009620010 0.000623053 0.0041208791 0.3968069666
## 292
        0.0209312260 0.0235690236 0.000000000 0.0224358974 0.4107402032
## 293
        0.1503630927 0.1693121693 0.000000000 0.1611721612 0.4986937591
## 294
        0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 295
        0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 296
        0.2524562153 0.2842712843 0.000000000 0.2706043956 0.5680696662
## 297
        0.0102520290 0.0115440115 0.000000000 0.0109890110 0.4034833091
## 298
        0.0692011961 0.0024050024 0.064797508 0.0714285714 0.3677793904
## 299
        ## 300
        0.1324220419 0.1491101491 0.000000000 0.1419413919 0.4865021771
        0.0017086715 0.0000000000 0.002492212 0.0018315018 0.3953555878
## 301
```

```
## 302
       0.0166595472 0.0187590188 0.000000000 0.0178571429 0.4078374456
       0.0055531824 0.0062530063 0.000000000 0.0059523810 0.4002902758
## 303
## 304
       0.0717642033 0.0153920154 0.084735202 0.0741758242 0.3663280116
## 305
       0.0064075182 0.0000000000 0.000000000 0.0068681319 0.3965166909
## 306
       0.0021358394 0.0000000000 0.003115265 0.0022893773 0.3950653120
## 307
       0.0111063648 0.0067340067 0.007476636 0.0119047619 0.3970972424
## 308
       0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
##
  309
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 310
       0.0119607006 0.0134680135 0.000000000 0.0128205128 0.4046444122
       ## 311
## 312
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 313
       0.0111063648 0.0004810005 0.003115265 0.0105311355 0.3953555878
## 314
       ## 315
## 316
       0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 317
       0.0286202478 0.0110630111 0.027414330 0.0302197802 0.3904208999
## 318
       0.0034173430 0.0009620010 0.002492212 0.0027472527 0.3959361393
## 319
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
       0.0512601452 0.0577200577 0.000000000 0.0549450549 0.4313497823
## 320
## 321
       0.1824006835 0.2053872054 0.000000000 0.1955128205 0.5204644412
## 322
       ## 323
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
       0.0128150363 0.0019240019 0.016199377 0.0123626374 0.3901306241
## 324
## 325
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## 326
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## 327
       0.0875694148 0.0986050986 0.000000000 0.0938644689 0.4560232221
## 328
       ## 329
       ## 330
       0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 331
       ## 332
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## 333
       0.0025630073 0.0014430014 0.001869159 0.0022893773 0.3965166909
## 334
       ## 335
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## 336
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## 337
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## 338
       0.0140965399 0.0004810005 0.002492212 0.0132783883 0.3956458636
## 339
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## 340
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## 341
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## 342
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## 343
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## 344
       ## 345
       ## 346
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## 347
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## 348
       ## 349
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## 350
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## 351
       0.0640751815 0.0721500722 0.000000000 0.0686813187 0.4400580552
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## 353
## 354
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## 355
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         0.0234942332 0.0187590188 0.009968847 0.0247252747 0.4031930334
## 356
## 357
         ## 358
         0.0645023494 0.0009620010 0.008099688 0.0631868132 0.3933236575
##
  359
         0.0286202478 0.0024050024 0.008722741 0.0274725275 0.3939042090
## 360
         0.3835967535 0.2568542569 0.226791277 0.3956043956 0.4458635704
         0.0645023494 0.0014430014 0.008722741 0.0622710623 0.3933236575
## 361
## 362
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## 363
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## 364
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## 365
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## 366
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## 367
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## 368
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## 369
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         0.0666381888 0.0096200096 0.054205607 0.0576923077 0.3770682148
## 370
## 371
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## 375
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## 379
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## 380
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## 385
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## 386
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## 387
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## 388
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## 390
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## 391
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## 392
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## 396
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## 398
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## 399
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## 400
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## 401
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```

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## 403
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## 405
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         0.0461341307 0.0072150072 0.057943925 0.0485347985 0.3738751814
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## 407
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## 408
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## 409
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## 410
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         0.0572404955 0.0139490139 0.065420561 0.0576923077 0.3744557329
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## 412
## 413
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## 414
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## 415
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## 416
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## 417
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## 420
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## 431
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## 432
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## 434
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## 442
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## 445
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## 447
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## 450
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## 451
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```

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## 454
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## 456
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## 458
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## 475
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## 477
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## 488
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## 495
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## 496
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## 497
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## 498
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## 499
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## 500
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## 501
```

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## 502
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## 503
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## 511
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## 524
## 525
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## 546
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## 550
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## 554
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## 560
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## 561
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## 563
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## 564
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         0.0145237078 0.0163540164 0.000000000 0.0155677656 0.4063860668
## 565
## 566
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## 567
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## 568
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## 569
         0.0158052114 0.0062530063 0.014953271 0.0155677656 0.3933236575
## 570
         0.0093976933 0.0019240019 0.006230530 0.0077838828 0.3947750363
## 571
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## 572
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## 573
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## 574
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## 575
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## 576
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## 577
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## 578
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## 579
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## 580
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## 581
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## 582
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## 583
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## 584
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## 585
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## 586
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## 587
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## 588
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## 589
         0.0196497223 0.0081770082 0.018068536 0.0178571429 0.3930333817
## 590
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## 591
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## 592
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## 593
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## 594
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## 595
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## 596
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## 599
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## 600
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## 601
         0.0076890218 0.0086580087 0.000000000 0.0082417582 0.4017416546
```

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         0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
## 603
## 604
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## 605
         0.0081161897 0.0004810005 0.011214953 0.0082417582 0.3915820029
## 606
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## 607
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## 608
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## 613
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## 614
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         0.0034173430 0.0000000000 0.001246106 0.0032051282 0.3959361393
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## 618
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## 619
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         0.0089705254 0.0014430014 0.011214953 0.0086996337 0.3921625544
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## 621
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## 622
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## 623
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## 626
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## 627
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## 628
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## 629
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## 632
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## 634
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## 635
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## 636
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## 637
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## 638
## 639
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## 640
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## 641
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## 642
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## 643
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## 644
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## 645
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## 646
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## 647
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## 648
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## 649
         0.0098248612 0.0009620010 0.013084112 0.0096153846 0.3910014514
## 650
         0.0098248612 0.0024050024 0.011214953 0.0105311355 0.3927431060
         0.0025630073 0.0000000000 0.001246106 0.0027472527 0.3959361393
## 651
```

```
## 652
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      0.0064075182 0.0019240019 0.006853583 0.0054945055 0.3944847605
## 653
## 654
      0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
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## 656
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## 657
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## 658
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##
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## 661
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## 663
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##
 664
      0.0029901751 0.0000000000 0.001869159 0.0032051282 0.3956458636
## 665
      0.0017086715 0.0004810005 0.001246106 0.0013736264 0.3962264151
## 666
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## 667
      0.0017086715 0.0000000000 0.002492212 0.0018315018 0.3953555878
##
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## 669
      ## 670
      ## 671
      ## 672
      ## 673
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## 679
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## 685
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## 687
      ## 688
## 689
      ## 690
      ## 691
      0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 692
      0.0008543358 0.0009620010 0.000000000 0.000000000 0.3970972424
## 693
      0.0029901751 0.0000000000 0.002492212 0.0022893773 0.3953555878
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      ## 696
      0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
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      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
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##
 700
      0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 701
```

```
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## 704
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## 706
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##
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##
 709
    0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 710
    ## 711
    ## 712
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 713
    ##
 714
    ## 715
    ## 716
    ##
 717
    ##
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    ## 719
    ## 720
    ## 721
    ## 722
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## 723
    ## 724
    ##
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## 726
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## 727
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## 728
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## 729
    ## 730
    ## 731
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
 732
##
    ## 733
    ##
 734
    ## 735
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##
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    0.0012815036 0.0000000000 0.001246106 0.0009157509 0.3959361393
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    ##
## 738
    ##
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    0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 740
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##
    ##
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    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 743
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 744
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 745
    746
    ##
## 747
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 748
    ## 749
    ##
 750
    ## 751
```

```
## 752
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## 753
## 754
        ## 755
        ## 756
        ## 757
        ##
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        759
##
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##
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## 765
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##
##
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##
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## 769
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## 770
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## 771
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## 772
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##
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  776
##
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##
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## 778
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## 779
        0.0491243059 0.0553150553 0.000000000 0.0526556777 0.4298984035
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        0.0803075609 0.0533910534 0.047975078 0.0824175824 0.4063860668
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##
## 783
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##
  784
        0.1345578812 0.1515151515 0.000000000 0.1442307692 0.4879535559
## 785
        0.0495514737 0.0557960558 0.000000000 0.0531135531 0.4301886792
  786
##
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  787
        0.0431439556 0.0019240019 0.006853583 0.0430402930 0.3944847605
##
## 788
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##
  789
        0.0089705254 0.0024050024 0.009968847 0.0091575092 0.3933236575
## 790
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  791
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##
##
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## 793
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## 794
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## 795
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## 796
        0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 797
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## 798
        0.0431439556 0.0485810486 0.000000000 0.0462454212 0.4258345428
## 799
        0.0533959846 0.0601250601 0.000000000 0.0572344322 0.4328011611
## 800
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        0.0089705254 0.0004810005 0.001869159 0.0091575092 0.3959361393
## 801
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## 802
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## 803
## 804
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## 805
         0.0307560871 0.0024050024 0.017445483 0.0297619048 0.3898403483
## 806
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## 807
         0.0371636053 0.0418470418 0.000000000 0.0398351648 0.4217706821
## 808
         0.0072618539 0.0004810005 0.009968847 0.0073260073 0.3921625544
## 809
         0.0324647587 0.0365560366 0.000000000 0.0347985348 0.4185776488
## 810
         0.0375907732 0.0423280423 0.000000000 0.0402930403 0.4220609579
         0.0222127296 0.0250120250 0.000000000 0.0238095238 0.4116110305
## 811
## 812
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## 813
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## 814
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## 815
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## 817
         0.0217855617 0.0091390091 0.019937695 0.0233516484 0.3927431060
## 818
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## 819
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         0.0610850064 0.0048100048 0.013707165 0.0595238095 0.3930333817
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## 821
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## 822
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## 823
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## 824
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## 825
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## 826
         0.1089278086 0.0086580087 0.017445483 0.0984432234 0.3936139332
## 827
         0.0200768902 0.0226070226 0.000000000 0.0215201465 0.4101596517
## 828
         0.0029901751 0.0000000000 0.004361371 0.0032051282 0.3944847605
## 829
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## 830
         0.0187953866 0.0004810005 0.009968847 0.0192307692 0.3921625544
## 831
         0.0102520290 0.0115440115 0.000000000 0.0109890110 0.4034833091
## 832
         0.0081161897 0.0014430014 0.005607477 0.0073260073 0.3947750363
## 833
         0.0756087142 0.0125060125 0.094080997 0.0741758242 0.3602322206
## 834
         0.0499786416 0.0009620010 0.016199377 0.0434981685 0.3895500726
## 835
         0.0068346860 0.0076960077 0.000000000 0.0073260073 0.4011611030
## 836
         0.0610850064 0.0687830688 0.000000000 0.0654761905 0.4380261248
## 837
         0.0256300726 0.0288600289 0.000000000 0.0274725275 0.4139332366
## 838
         0.0666381888 0.0750360750 0.000000000 0.0714285714 0.4417997097
## 839
         0.1020931226 0.0101010101 0.029906542 0.0851648352 0.3886792453
## 840
         0.0115335327 0.0009620010 0.015576324 0.0114468864 0.3898403483
## 841
         0.0162323793 0.0182780183 0.000000000 0.0173992674 0.4075471698
## 842
         0.0367364374 0.0009620010 0.003115265 0.0361721612 0.3956458636
## 843
         0.0482699701 0.0014430014 0.007476636 0.0453296703 0.3939042090
## 844
         0.0324647587 0.0067340067 0.038629283 0.0320512821 0.3825834543
## 845
         0.0448526271 0.0038480038 0.060436137 0.0467032967 0.3706821480
## 846
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## 847
         0.0751815463 0.0014430014 0.023676012 0.0700549451 0.3863570392
## 848
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## 849
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## 850
         0.0495514737 0.0557960558 0.000000000 0.0531135531 0.4301886792
## 851
         0.0328919265 0.0370370370 0.000000000 0.0352564103 0.4188679245
```

```
## 852
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## 853
    ## 854
    ## 855
## 856
    ## 857
    ## 858
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 859
    ## 860
    ## 861
    ## 862
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 863
    ##
 864
    0.0008543358 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 865
    ## 866
    ## 867
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 868
    ## 869
    0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 870
    0.0021358394 0.0000000000 0.001246106 0.0018315018 0.3959361393
## 871
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 872
    ## 873
    0.0012815036 0.0000000000 0.001246106 0.0013736264 0.3959361393
## 874
    0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 875
    ## 876
    0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 877
    ## 878
    0.0025630073 0.0000000000 0.000000000 0.0027472527 0.3965166909
## 879
    0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 880
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 881
    ## 882
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 883
    ## 884
    ## 885
    ## 886
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 887
    ## 888
## 889
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 890
    ## 891
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 892
    ## 893
    ## 894
    0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 895
    ## 896
    ## 897
    0.0021358394 0.0014430014 0.001246106 0.0022893773 0.3968069666
## 898
    ## 899
    ## 900
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 901
    0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
```

```
## 902
    ## 903
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 904
    ## 905
    ## 906
    ## 907
    ## 908
    ## 909
    0.0008543358 0.0004810005 0.000623053 0.0009157509 0.3965166909
## 910
    ## 911
    ## 912
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 913
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 914
    ## 915
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 916
    0.0008543358 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 917
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 918
    ## 919
    0.0017086715 0.0014430014 0.000623053 0.0018315018 0.3970972424
## 920
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 921
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 922
    0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 923
    ## 924
    ## 925
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 926
    0.0004271679 0.0000000000 0.000623053 0.0000000000 0.3962264151
## 927
    ## 928
    0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 929
    ## 930
    ## 931
    0.0029901751 0.0000000000 0.003738318 0.0032051282 0.3947750363
## 932
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 933
    ## 934
    ## 935
    ## 936
    ## 937
    ## 938
    0.0008543358 0.0004810005 0.000623053 0.0009157509 0.3965166909
## 939
    ## 940
    ## 941
    0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 942
    ## 943
    0.0008543358 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 944
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 945
    0.0012815036 0.0004810005 0.000000000 0.0009157509 0.3968069666
    ## 946
## 947
    ## 948
    ## 949
## 950
    ## 951
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
```

```
## 952
      ## 953
      ## 954
      ## 955
      ## 956
      ## 957
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 958
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 959
      0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 960
      ## 961
## 962
      0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 963
      ## 964
      ## 965
      ## 966
      0.0055531824 0.0000000000 0.001246106 0.0059523810 0.3959361393
## 967
      0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 968
      ## 969
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 970
      0.0008543358 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 971
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 972
      ## 973
      ## 974
      ## 975
      0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 976
      0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 977
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## 978
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 979
      0.0012815036 0.0000000000 0.001246106 0.0013736264 0.3959361393
## 980
      0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 981
      0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 982
      ## 983
      ## 984
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 985
      0.0017086715 0.0004810005 0.001869159 0.0018315018 0.3959361393
## 986
      0.0226398975 0.0254930255 0.000000000 0.0242673993 0.4119013062
## 987
      0.0034173430 0.0000000000 0.004984424 0.0036630037 0.3941944848
## 988
      0.0076890218 0.0004810005 0.003115265 0.0077838828 0.3953555878
## 989
      0.0123878684 0.0004810005 0.007476636 0.0073260073 0.3933236575
## 990
      0.0111063648 0.0076960077 0.006230530 0.0105311355 0.3982583454
## 991
      0.0106791969 0.0033670034 0.011214953 0.0077838828 0.3933236575
## 992
      0.0316104229 0.0115440115 0.031152648 0.0306776557 0.3889695210
## 993
      0.0106791969 0.0057720058 0.006853583 0.0050366300 0.3968069666
## 994
      0.0170867151 0.0192400192 0.000000000 0.0183150183 0.4081277213
## 995
      0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 996
      0.0299017514 0.0182780183 0.015576324 0.0086996337 0.4002902758
## 997
      0.0307560871 0.0110630111 0.017445483 0.0169413919 0.3950653120
## 998
      0.0111063648 0.0125060125 0.000000000 0.0119047619 0.4040638607
## 999
      0.2409226826 0.0668590669 0.082242991 0.1556776557 0.3985486212
## 1000
      0.0179410508 0.0202020202 0.000000000 0.0192307692 0.4087082729
      0.0901324220 0.0452140452 0.031775701 0.0389194139 0.4089985486
## 1001
```

```
## 1002
        0.0264844084 0.0115440115 0.023676012 0.0173992674 0.3924528302
## 1003
        0.0145237078 0.0125060125 0.004984424 0.0155677656 0.4017416546
## 1004
        0.0721913712 0.0019240019 0.012461059 0.0663919414 0.3918722787
## 1005
        0.0294745835 0.0067340067 0.034267913 0.0251831502 0.3846153846
## 1006
        0.0102520290 0.0004810005 0.014330218 0.0105311355 0.3901306241
## 1007
         0.0615121743 0.0336700337 0.046105919 0.0526556777 0.3953555878
## 1008
        0.0388722768 0.0028860029 0.008099688 0.0329670330 0.3944847605
## 1009
        0.0217855617 0.0153920154 0.011838006 0.0210622711 0.4002902758
## 1010
        0.0166595472 0.0004810005 0.011214953 0.0109890110 0.3915820029
## 1011
        0.0290474156 0.0072150072 0.029283489 0.0192307692 0.3872278665
## 1012
        0.0162323793 0.0033670034 0.016822430 0.0128205128 0.3907111756
## 1013
         0.0170867151 0.0028860029 0.021183801 0.0173992674 0.3883889695
## 1014
        0.0089705254 0.0019240019 0.009968847 0.0050366300 0.3930333817
## 1015
        0.0119607006 0.0067340067 0.008722741 0.0105311355 0.3965166909
## 1016
         0.0123878684 0.0062530063 0.009968847 0.0114468864 0.3956458636
## 1017
         0.0128150363 0.0129870130 0.001869159 0.0123626374 0.4034833091
## 1018
        0.0111063648 0.0024050024 0.003115265 0.0091575092 0.3965166909
## 1019
        0.0093976933 0.0086580087 0.002492212 0.0068681319 0.4005805515
## 1020
        0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 1021
        0.0542503204 0.0278980279 0.042990654 0.0393772894 0.3933236575
## 1022
        0.1042289620 0.0394420394 0.052959502 0.0650183150 0.3956458636
## 1023
        0.0200768902 0.0226070226 0.000000000 0.0215201465 0.4101596517
        0.0397266126 0.0004810005 0.014953271 0.0311355311 0.3898403483
## 1024
## 1025
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## 1026
        0.0089705254 0.0101010101 0.000000000 0.0096153846 0.4026124819
## 1027
         0.0128150363 0.0004810005 0.008099688 0.0128205128 0.3930333817
## 1028
        0.0405809483 0.0456950457 0.000000000 0.0434981685 0.4240928882
## 1029
         0.0422896198 0.0476190476 0.000000000 0.0453296703 0.4252539913
## 1030
        0.0632208458 0.0481000481 0.029906542 0.0663919414 0.4116110305
## 1031
        0.0516873131 0.0582010582 0.000000000 0.0554029304 0.4316400581
## 1032
        0.0059803503 0.0033670034 0.004361371 0.0064102564 0.3965166909
## 1033
        0.0145237078 0.0163540164 0.000000000 0.0155677656 0.4063860668
## 1034
         0.0657838531 0.0206830207 0.069158879 0.0595238095 0.3767779390
## 1035
         0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 1036
         0.0166595472 0.0033670034 0.019937695 0.0160256410 0.3892597968
## 1037
        0.1012387868 0.0101010101 0.100934579 0.0618131868 0.3555878084
         0.0179410508 0.0202020202 0.000000000 0.0192307692 0.4087082729
## 1038
## 1039
         0.0106791969 0.0120250120 0.000000000 0.0114468864 0.4037735849
## 1040
        ## 1041
        0.0918410935 0.0115440115 0.119003115 0.0874542125 0.3480406386
## 1042
        0.0081161897 0.0091390091 0.000000000 0.0086996337 0.4020319303
## 1043
        0.0145237078 0.0086580087 0.009968847 0.0151098901 0.3970972424
## 1044
        0.0085433575 0.0062530063 0.004361371 0.0073260073 0.3982583454
## 1045
         0.0128150363 0.0000000000 0.018691589 0.0137362637 0.3878084180
## 1046
        0.0234942332 0.0081770082 0.023676012 0.0247252747 0.3904208999
## 1047
         0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 1048
        0.0068346860 0.0076960077 0.000000000 0.0073260073 0.4011611030
        0.0123878684 0.0062530063 0.009968847 0.0123626374 0.3956458636
## 1049
## 1050
         0.0226398975 0.0062530063 0.024922118 0.0201465201 0.3886792453
        0.0290474156 0.0019240019 0.032398754 0.0265567766 0.3825834543
```

```
## 1052
         0.0320375908 0.0192400192 0.021806854 0.0302197802 0.3979680697
        0.0264844084 0.0024050024 0.009345794 0.0196886447 0.3936139332
## 1053
## 1054
         0.0303289193 0.0153920154 0.024299065 0.0233516484 0.3944847605
## 1055
         0.0563861598 0.0004810005 0.030529595 0.0531135531 0.3825834543
## 1056
         0.0380179411 0.0298220298 0.016822430 0.0402930403 0.4066763425
## 1057
         0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 1058
         0.0183682187 0.0149110149 0.007476636 0.0187728938 0.4020319303
## 1059
         0.0333190944 0.0202020202 0.022429907 0.0238095238 0.3982583454
## 1060
         0.0183682187 0.0153920154 0.006853583 0.0196886447 0.4026124819
## 1061
         0.0166595472 0.0014430014 0.011838006 0.0151098901 0.3918722787
## 1062
         0.0247757369 0.0278980279 0.000000000 0.0265567766 0.4133526851
## 1063
         0.0397266126 0.0341510342 0.013707165 0.0425824176 0.4107402032
## 1064
         0.0529688167 0.0596440596 0.000000000 0.0567765568 0.4325108853
## 1065
         0.0111063648 0.0125060125 0.000000000 0.0119047619 0.4040638607
## 1066
         0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 1067
         0.3255019223 0.3665223665 0.000000000 0.3489010989 0.6177068215
## 1068
         0.1977787270 0.2227032227 0.000000000 0.2119963370 0.5309143687
## 1069
         0.0226398975 0.0009620010 0.030529595 0.0219780220 0.3828737300
## 1070
         0.0085433575 0.0096200096 0.000000000 0.0091575092 0.4023222061
## 1071
         0.0384451089 0.0057720058 0.003738318 0.0343406593 0.3982583454
## 1072
         0.2934643315 0.0024050024 0.013084112 0.3104395604 0.3918722787
## 1073
        0.0098248612 0.0019240019 0.004984424 0.0082417582 0.3953555878
         0.0243485690 0.0028860029 0.027414330 0.0224358974 0.3854862119
## 1074
## 1075
         0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 1076
         0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 1077
         0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 1078
        0.0140965399 0.0158730159 0.000000000 0.0151098901 0.4060957910
         0.0392994447 0.0125060125 0.041121495 0.0366300366 0.3849056604
## 1079
## 1080
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## 1081
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## 1082
        0.0205040581 0.0081770082 0.019314642 0.0164835165 0.3924528302
## 1083
         0.0243485690 0.0004810005 0.019937695 0.0228937729 0.3875181422
## 1084
         0.0196497223 0.0149110149 0.009345794 0.0196886447 0.4011611030
## 1085
         0.0234942332 0.0072150072 0.024922118 0.0210622711 0.3892597968
## 1086
         0.0226398975 0.0254930255 0.000000000 0.0242673993 0.4119013062
## 1087
         0.0192225545 0.0052910053 0.014953271 0.0151098901 0.3927431060
         0.0200768902 0.0014430014 0.010591900 0.0146520147 0.3924528302
## 1088
## 1089
         0.0205040581 0.0004810005 0.023052960 0.0215201465 0.3860667634
## 1090
         0.0303289193 0.0226070226 0.014953271 0.0306776557 0.4031930334
## 1091
         0.0051260145 0.0057720058 0.000000000 0.0054945055 0.4000000000
## 1092
         0.0166595472 0.0009620010 0.023052960 0.0169413919 0.3863570392
## 1093
         0.0068346860 0.0076960077 0.000000000 0.0073260073 0.4011611030
## 1094
         0.0422896198 0.0250120250 0.029283489 0.0434981685 0.3979680697
## 1095
         0.0111063648 0.0096200096 0.003738318 0.0119047619 0.4005805515
## 1096
         0.0350277659 0.0014430014 0.037383178 0.0329670330 0.3799709724
## 1097
         0.0209312260 0.0048100048 0.017445483 0.0169413919 0.3912917271
## 1098
         0.0158052114 0.0009620010 0.008099688 0.0137362637 0.3933236575
         0.0286202478 0.0096200096 0.021183801 0.0210622711 0.3924528302
## 1099
## 1100
         0.0243485690 0.0125060125 0.019314642 0.0201465201 0.3950653120
        0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
```

```
0.0119607006 0.0134680135 0.000000000 0.0128205128 0.4046444122
## 1102
## 1103
       0.0179410508 0.0202020202 0.000000000 0.0192307692 0.4087082729
## 1104
       ## 1105
## 1106
       ## 1107
       0.0051260145 0.0038480038 0.002492212 0.0000000000 0.3976777939
## 1108
       ## 1109
       0.0089705254 0.0101010101 0.000000000 0.0000000000 0.4026124819
## 1110
       ## 1111
       ## 1112
       0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 1113
       ## 1114
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1115
       0.0072618539 0.0000000000 0.001869159 0.0068681319 0.3956458636
       0.0021358394 0.0014430014 0.001246106 0.0013736264 0.3968069666
## 1116
## 1117
       ## 1118
       0.0051260145 0.0057720058 0.000000000 0.0054945055 0.4000000000
## 1119
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1120
       0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1121
       ## 1122
       0.0205040581 0.0000000000 0.005607477 0.0196886447 0.3939042090
## 1123
       0.0059803503 0.0000000000 0.008722741 0.0064102564 0.3924528302
## 1124
       0.0038445109 0.0000000000 0.000623053 0.0041208791 0.3962264151
## 1125
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1126
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1127
       0.0093976933 0.0038480038 0.008722741 0.0100732601 0.3947750363
## 1128
       0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 1129
       0.0081161897 0.0091390091 0.000000000 0.0086996337 0.4020319303
## 1130
       0.0102520290 0.0009620010 0.007476636 0.0086996337 0.3936139332
## 1131
       0.0205040581 0.0028860029 0.026168224 0.0196886447 0.3860667634
## 1132
       0.0098248612 0.0009620010 0.002492212 0.0086996337 0.3959361393
## 1133
       0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 1134
       0.0042716788 0.0000000000 0.000623053 0.0045787546 0.3962264151
## 1135
       0.0021358394 0.0009620010 0.001869159 0.0022893773 0.3962264151
## 1136
       0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 1137
       0.0055531824 0.0004810005 0.002492212 0.0045787546 0.3956458636
       0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 1138
## 1139
       ## 1140
       ## 1141
       0.0038445109 0.0000000000 0.005607477 0.0041208791 0.3939042090
## 1142
       0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1143
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1144
       0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 1145
       0.0034173430 0.0009620010 0.003738318 0.0032051282 0.3953555878
## 1146
       0.0089705254 0.0000000000 0.001869159 0.0086996337 0.3956458636
## 1147
       0.0051260145 0.0043290043 0.001869159 0.0054945055 0.3982583454
## 1148
       0.0256300726 0.0115440115 0.022429907 0.0173992674 0.3930333817
       0.0017086715 0.0000000000 0.000623053 0.0018315018 0.3962264151
## 1149
## 1150
       0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
```

```
0.0448526271 0.0163540164 0.044236760 0.0329670330 0.3857764877
## 1152
## 1153
       0.0209312260 0.0072150072 0.021183801 0.0224358974 0.3910014514
## 1154
       0.0068346860 0.0048100048 0.003738318 0.0073260073 0.3976777939
       0.0042716788 0.0000000000 0.000000000 0.0045787546 0.3965166909
## 1155
## 1156
       ## 1157
       0.0072618539 0.0081770082 0.000000000 0.0077838828 0.4014513788
## 1158
       0.0038445109 0.0000000000 0.000623053 0.0036630037 0.3962264151
## 1159
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1160
       0.0055531824 0.0009620010 0.006853583 0.0054945055 0.3939042090
## 1161
       0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 1162
       0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 1163
       0.0017086715 0.0004810005 0.001246106 0.0009157509 0.3962264151
## 1164
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1165
       0.0017086715 0.0009620010 0.001246106 0.0018315018 0.3965166909
## 1166
       0.0038445109 0.0009620010 0.000623053 0.0032051282 0.3968069666
## 1167
       0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 1168
       0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 1169
       0.0029901751 0.0000000000 0.000623053 0.0032051282 0.3962264151
## 1170
       ## 1171
       ## 1172
       ## 1173
       0.0008543358 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 1174
       0.0021358394 0.0000000000 0.001246106 0.0013736264 0.3959361393
## 1175
       ## 1176
       0.0029901751 0.0014430014 0.002492212 0.0032051282 0.3962264151
## 1177
       0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 1178
       0.0017086715 0.0000000000 0.001869159 0.0009157509 0.3956458636
       0.0072618539 0.0004810005 0.004984424 0.0073260073 0.3944847605
## 1179
## 1180
       0.0034173430 0.0019240019 0.002492212 0.0022893773 0.3965166909
## 1181
       0.0034173430 0.0009620010 0.003738318 0.0032051282 0.3953555878
## 1182
       0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 1183
       0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 1184
       0.0072618539 0.0081770082 0.000000000 0.0077838828 0.4014513788
## 1185
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1186
       ## 1187
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
       ## 1188
## 1189
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1190
       0.0346005980 0.0389610390 0.000000000 0.0370879121 0.4200290276
## 1191
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1192
       0.0034173430 0.0038480038 0.000000000 0.0036630037 0.3988388970
## 1193
       ## 1194
       0.0012815036 0.0009620010 0.000623053 0.0013736264 0.3968069666
## 1195
       0.0017086715 0.0000000000 0.000000000 0.0018315018 0.3965166909
## 1196
       0.0029901751 0.0000000000 0.003115265 0.0027472527 0.3950653120
## 1197
       0.0064075182 0.0004810005 0.003738318 0.0050366300 0.3950653120
## 1198
       0.0017086715 0.0000000000 0.000623053 0.0018315018 0.3962264151
       0.0200768902 0.0226070226 0.000000000 0.0215201465 0.4101596517
## 1199
## 1200
       0.0064075182 0.0004810005 0.001246106 0.0059523810 0.3962264151
       0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
```

```
## 1202
        0.0038445109 0.0033670034 0.001246106 0.0041208791 0.3979680697
## 1203
        0.0029901751 0.0009620010 0.003115265 0.0032051282 0.3956458636
## 1204
        0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
        0.0025630073 0.0000000000 0.000623053 0.0022893773 0.3962264151
## 1205
## 1206
        0.0025630073 0.0000000000 0.000000000 0.0027472527 0.3965166909
## 1207
        0.0132422042 0.0004810005 0.018691589 0.0137362637 0.3880986938
## 1208
        0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1209
        0.0081161897 0.0009620010 0.000623053 0.0077838828 0.3968069666
## 1210
        0.0021358394 0.0000000000 0.000623053 0.0022893773 0.3962264151
## 1211
        0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 1212
        0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1213
        0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 1214
        ## 1215
        0.0042716788 0.0000000000 0.001869159 0.0032051282 0.3956458636
        0.0051260145 0.0004810005 0.002492212 0.0050366300 0.3956458636
## 1216
## 1217
        0.0017086715 0.0000000000 0.001246106 0.0018315018 0.3959361393
## 1218
        0.0012815036 0.0004810005 0.000000000 0.0009157509 0.3968069666
## 1219
        0.0029901751 0.0000000000 0.004361371 0.0032051282 0.3944847605
## 1220
        0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 1221
        0.0008543358 0.0004810005 0.000623053 0.0004578755 0.3965166909
## 1222
        0.0042716788 0.0009620010 0.004984424 0.0045787546 0.3947750363
## 1223
        0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 1224
        0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 1225
        0.0017086715 0.0000000000 0.000623053 0.0013736264 0.3962264151
## 1226
        0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 1227
        0.0046988466 0.0052910053 0.000000000 0.0050366300 0.3997097242
## 1228
        0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
## 1229
        0.0021358394 0.0014430014 0.001246106 0.0013736264 0.3968069666
## 1230
        0.0021358394 0.0000000000 0.000000000 0.0022893773 0.3965166909
## 1231
        0.0072618539 0.0081770082 0.000000000 0.0077838828 0.4014513788
## 1232
        0.0034173430 0.0000000000 0.001869159 0.0036630037 0.3956458636
## 1233
        0.0115335327 0.0004810005 0.016199377 0.0119047619 0.3892597968
## 1234
        ## 1235
        0.0046988466 0.0004810005 0.006230530 0.0050366300 0.3939042090
## 1236
        0.0042716788 0.0009620010 0.004984424 0.0045787546 0.3947750363
## 1237
        0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
        0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1238
## 1239
        ## 1240
        0.0046988466 0.0052910053 0.000000000 0.0050366300 0.3997097242
## 1241
        0.0017086715 0.0014430014 0.000623053 0.0018315018 0.3970972424
## 1242
        0.0017086715 0.0009620010 0.001246106 0.0009157509 0.3965166909
## 1243
        0.0021358394 0.0004810005 0.002492212 0.0018315018 0.3956458636
## 1244
        0.0029901751 0.0000000000 0.000623053 0.0027472527 0.3962264151
## 1245
        0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 1246
        0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 1247
        0.0046988466 0.0000000000 0.001869159 0.0050366300 0.3956458636
## 1248
        0.0034173430 0.0004810005 0.001246106 0.0032051282 0.3962264151
        0.0042716788 0.0004810005 0.005607477 0.0041208791 0.3941944848
## 1249
## 1250
        0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
        0.0025630073 0.0000000000 0.001246106 0.0027472527 0.3959361393
```

```
0.0017086715 0.0009620010 0.001246106 0.0013736264 0.3965166909
## 1252
## 1253
       0.0128150363 0.0038480038 0.011214953 0.0082417582 0.3936139332
## 1254
       ## 1255
       0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 1256
       0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 1257
       0.0012815036 0.0004810005 0.001246106 0.0013736264 0.3962264151
## 1258
       0.0025630073 0.0004810005 0.003115265 0.0022893773 0.3953555878
## 1259
       0.0089705254 0.0004810005 0.012461059 0.0096153846 0.3910014514
## 1260
       0.0042716788 0.0004810005 0.005607477 0.0041208791 0.3941944848
       0.0213583938 0.0019240019 0.028660436 0.0210622711 0.3843251089
## 1261
## 1262
       0.0046988466 0.0000000000 0.000623053 0.0050366300 0.3962264151
## 1263
       0.0017086715 0.0004810005 0.001869159 0.0018315018 0.3959361393
## 1264
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1265
       0.0051260145 0.0057720058 0.000000000 0.0054945055 0.4000000000
## 1266
       0.0081161897 0.0091390091 0.000000000 0.0086996337 0.4020319303
## 1267
       0.0012815036 0.0009620010 0.000623053 0.0009157509 0.3968069666
## 1268
       ## 1269
       0.0029901751 0.0009620010 0.003115265 0.0032051282 0.3956458636
       0.0076890218 0.0086580087 0.000000000 0.0082417582 0.4017416546
## 1270
## 1271
       0.0046988466 0.0052910053 0.000000000 0.0050366300 0.3997097242
## 1272
       ## 1273
       0.0051260145 0.0004810005 0.006853583 0.0050366300 0.3936139332
## 1274
       0.0008543358 0.0004810005 0.000623053 0.0004578755 0.3965166909
## 1275
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1276
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1277
       ## 1278
       ## 1279
       ## 1280
       ## 1281
       0.0038445109 0.0009620010 0.002492212 0.0022893773 0.3959361393
## 1282
       0.0085433575 0.0014430014 0.001869159 0.0073260073 0.3965166909
## 1283
       0.0187953866 0.0009620010 0.004984424 0.0183150183 0.3947750363
## 1284
       0.0158052114 0.0019240019 0.008722741 0.0128205128 0.3936139332
## 1285
       0.0059803503 0.0024050024 0.001869159 0.0036630037 0.3970972424
## 1286
       0.0140965399 0.0038480038 0.015576324 0.0128205128 0.3915820029
## 1287
       0.0093976933 0.0000000000 0.002492212 0.0082417582 0.3953555878
       0.0209312260 0.0009620010 0.029283489 0.0215201465 0.3834542816
## 1288
## 1289
       0.0102520290 0.0019240019 0.012461059 0.0091575092 0.3918722787
## 1290
       0.0072618539 0.0000000000 0.004361371 0.0077838828 0.3944847605
## 1291
       0.0081161897 0.0004810005 0.002492212 0.0082417582 0.3956458636
## 1292
       0.0149508757 0.0043290043 0.016199377 0.0146520147 0.3915820029
## 1293
       0.0252029047 0.0283790284 0.000000000 0.0270146520 0.4136429608
## 1294
       0.1217428449 0.1370851371 0.000000000 0.1304945055 0.4792452830
## 1295
       0.0089705254 0.0038480038 0.008099688 0.0096153846 0.3950653120
## 1296
       0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 1297
       0.0371636053 0.0418470418 0.000000000 0.0398351648 0.4217706821
## 1298
       ## 1299
       0.0435711235 0.0038480038 0.029283489 0.0421245421 0.3851959361
## 1300
       0.0422896198 0.0476190476 0.000000000 0.0453296703 0.4252539913
       0.0051260145 0.0014430014 0.005607477 0.0050366300 0.3947750363
```

```
0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
## 1302
## 1303
        0.0072618539 0.0004810005 0.009968847 0.0073260073 0.3921625544
## 1304
        0.0051260145 0.0024050024 0.004361371 0.0045787546 0.3959361393
        0.0132422042 0.0149110149 0.000000000 0.0141941392 0.4055152395
## 1305
## 1306
        0.0555318240 0.0192400192 0.056074766 0.0581501832 0.3820029028
## 1307
        0.0316104229 0.0182780183 0.022429907 0.0338827839 0.3970972424
## 1308
        0.0798803930 0.0129870130 0.099688474 0.0833333333 0.3579100145
## 1309
        0.0093976933 0.0004810005 0.013084112 0.0096153846 0.3907111756
## 1310
        0.1204613413 0.1356421356 0.000000000 0.1291208791 0.4783744557
## 1311
        0.0046988466 0.0000000000 0.000000000 0.0050366300 0.3965166909
## 1312
        0.0623665100 0.0139490139 0.072897196 0.0650183150 0.3709724238
## 1313
        0.0444254592 0.0500240500 0.000000000 0.0476190476 0.4267053701
## 1314
        0.0145237078 0.0033670034 0.016822430 0.0137362637 0.3907111756
## 1315
        0.0533959846 0.0601250601 0.000000000 0.0572344322 0.4328011611
## 1316
        0.1255873558 0.1414141414 0.000000000 0.1346153846 0.4818577649
## 1317
        0.0068346860 0.0019240019 0.007476636 0.0073260073 0.3941944848
## 1318
        0.0059803503 0.0057720058 0.001246106 0.0064102564 0.3994194485
## 1319
        0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 1320
        0.0239214011 0.0014430014 0.001869159 0.0238095238 0.3965166909
## 1321
        0.0081161897 0.0091390091 0.000000000 0.0086996337 0.4020319303
## 1322
        0.0081161897 0.0091390091 0.000000000 0.0086996337 0.4020319303
## 1323
        0.0081161897 0.0019240019 0.009345794 0.0073260073 0.3933236575
## 1324
        0.0230670654 0.0038480038 0.028660436 0.0233516484 0.3854862119
## 1325
        0.0106791969 0.0120250120 0.000000000 0.0114468864 0.4037735849
## 1326
        0.0029901751 0.0000000000 0.000000000 0.0032051282 0.3965166909
## 1327
        0.0068346860 0.0019240019 0.003738318 0.0050366300 0.3959361393
## 1328
        0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 1329
        0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
## 1330
        0.0187953866 0.0067340067 0.018691589 0.0192307692 0.3918722787
## 1331
        0.0149508757 0.0033670034 0.017445483 0.0137362637 0.3904208999
## 1332
        0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 1333
        0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
## 1334
        0.0034173430 0.0000000000 0.004984424 0.0036630037 0.3941944848
## 1335
        0.0170867151 0.0192400192 0.000000000 0.0183150183 0.4081277213
## 1336
        ## 1337
        0.0149508757 0.0009620010 0.009345794 0.0137362637 0.3927431060
        0.0213583938 0.0062530063 0.023052960 0.0224358974 0.3895500726
## 1338
## 1339
        0.0290474156 0.0004810005 0.006853583 0.0297619048 0.3936139332
## 1340
        0.0760358821 0.0057720058 0.103426791 0.0801282051 0.3518142235
## 1341
        ## 1342
        0.0568133276 0.0639730640 0.000000000 0.0608974359 0.4351233672
## 1343
        0.0299017514 0.0009620010 0.004361371 0.0302197802 0.3950653120
## 1344
        0.0166595472 0.0000000000 0.007476636 0.0173992674 0.3930333817
## 1345
        0.0252029047 0.0014430014 0.034890966 0.0260989011 0.3811320755
## 1346
        0.0217855617 0.0009620010 0.007476636 0.0219780220 0.3936139332
## 1347
        0.0346005980 0.0004810005 0.008099688 0.0361721612 0.3930333817
## 1348
        0.0187953866 0.0211640212 0.000000000 0.0201465201 0.4092888244
        0.0132422042 0.0000000000 0.004361371 0.0141941392 0.3944847605
## 1349
## 1350
        0.0140965399 0.0000000000 0.005607477 0.0146520147 0.3939042090
       0.0158052114 0.0014430014 0.021183801 0.0164835165 0.3875181422
```

```
0.0140965399 0.0009620010 0.001869159 0.0137362637 0.3962264151
## 1352
## 1353
     0.0303289193 0.0004810005 0.009345794 0.0302197802 0.3924528302
## 1354
     0.0098248612 0.0009620010 0.000000000 0.0096153846 0.3970972424
## 1355
     0.0222127296 0.0250120250 0.000000000 0.0238095238 0.4116110305
## 1356
     0.0316104229 0.0355940356 0.000000000 0.0338827839 0.4179970972
## 1357
     0.0230670654 0.0009620010 0.006230530 0.0228937729 0.3941944848
## 1358
     ## 1359
     ## 1360
     ## 1361
     0.0017086715 0.0000000000 0.002492212 0.0018315018 0.3953555878
## 1362
     ## 1363
     ## 1364
     ## 1365
     ## 1366
     ## 1367
     ## 1368
     0.0034173430 0.0038480038 0.000000000 0.0036630037 0.3988388970
## 1369
     ## 1370
     ## 1371
     ## 1372
     0.1866723622 0.0101010101 0.058566978 0.1703296703 0.3753265602
## 1373
     0.2481845365 0.1308321308 0.192523364 0.2554945055 0.3857764877
     0.4498077745 0.2905242905 0.279750779 0.4711538462 0.4415094340
## 1374
## 1375
     0.0410081162 0.0461760462 0.000000000 0.0439560440 0.4243831640
## 1376
     0.0674925246 0.0759980760 0.000000000 0.0723443223 0.4423802612
## 1377
     0.1153353268 0.1298701299 0.000000000 0.1236263736 0.4748911466
## 1378
     ## 1379
     0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 1380
     ## 1381
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1382
     ## 1383
     0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1384
     0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1385
     0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 1386
     ## 1387
     0.0076890218 0.0019240019 0.003738318 0.0036630037 0.3959361393
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1388
## 1389
     ## 1390
     0.0008543358 0.0004810005 0.000623053 0.0009157509 0.3965166909
## 1391
     0.0008543358 0.0000000000 0.001246106 0.0004578755 0.3959361393
## 1392
     0.0017086715 0.0000000000 0.002492212 0.0018315018 0.3953555878
## 1393
     0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 1394
     ## 1395
     ## 1396
     0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1397
     0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1398
     0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1399
     ## 1400
     0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
     0.0038445109 0.0004810005 0.004984424 0.0041208791 0.3944847605
```

```
## 1402
       0.0034173430 0.0038480038 0.000000000 0.0036630037 0.3988388970
       0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 1403
## 1404
       0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 1405
       0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 1406
       ## 1407
       ## 1408
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1409
       ## 1410
       0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1411
## 1412
       ## 1413
       0.0017086715 0.0004810005 0.001869159 0.0013736264 0.3959361393
## 1414
       ## 1415
       ## 1416
       0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1417
       0.0008543358 0.0004810005 0.000623053 0.0009157509 0.3965166909
## 1418
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1419
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1420
       0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 1421
       0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 1422
       0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 1423
       0.0012815036 0.0004810005 0.001246106 0.0009157509 0.3962264151
## 1424
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1425
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1426
       ## 1427
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1428
       ## 1429
       ## 1430
       0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 1431
       0.0021358394 0.0000000000 0.003115265 0.0022893773 0.3950653120
## 1432
       0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 1433
       0.1563434430 0.1760461760 0.000000000 0.1675824176 0.5027576197
## 1434
       0.0879965827 0.0024050024 0.012461059 0.0860805861 0.3921625544
## 1435
       0.0704826997 0.0793650794 0.000000000 0.0755494505 0.4444121916
## 1436
       0.1469457497 0.1654641655 0.000000000 0.1575091575 0.4963715530
## 1437
       0.1170439983 0.1317941318 0.000000000 0.1254578755 0.4760522496
       0.0619393422 0.0442520443 0.033021807 0.0636446886 0.4078374456
## 1438
## 1439
       0.3045706963 0.0490620491 0.300934579 0.2719780220 0.2859216255
## 1440
       0.5284066638 0.0096200096 0.142056075 0.5260989011 0.3361393324
## 1441
       0.0499786416 0.0043290043 0.067289720 0.0494505495 0.3677793904
## 1442
       0.0230670654 0.0259740260 0.000000000 0.0247252747 0.4121915820
## 1443
       0.0106791969 0.0009620010 0.009345794 0.0105311355 0.3927431060
## 1444
       0.1636052969 0.0274170274 0.203115265 0.1584249084 0.3184325109
## 1445
       0.4122170013 0.0500240500 0.536448598 0.4052197802 0.1767779390
## 1446
       0.4147800085 0.0452140452 0.546417445 0.4230769231 0.1692307692
## 1447
       0.1431012388 0.1611351611 0.000000000 0.1533882784 0.4937590711
## 1448
       0.1067919692 0.0076960077 0.145794393 0.1071428571 0.3332365747
       0.0299017514 0.0057720058 0.036137072 0.0311355311 0.3831640058
## 1449
## 1450
       0.2379325075 0.0274170274 0.114018692 0.2225274725 0.3599419448
      0.0320375908 0.0360750361 0.000000000 0.0343406593 0.4182873730
```

```
## 1452
        0.0239214011 0.0086580087 0.023676012 0.0201465201 0.3907111756
        0.1802648441 0.2029822030 0.000000000 0.1932234432 0.5190130624
## 1453
## 1454
        0.5219991457 0.0702260702 0.420560748 0.4729853480 0.2429608128
## 1455
        0.0790260572 0.0625300625 0.034267913 0.0842490842 0.4182873730
## 1456
        0.0187953866 0.0211640212 0.000000000 0.0201465201 0.4092888244
## 1457
        0.7488252883 0.2029822030 0.829283489 0.7765567766 0.1326560232
## 1458
        0.1524989321 0.1717171717 0.000000000 0.1634615385 0.5001451379
## 1459
        ## 1460
        0.5322511747 0.2231842232 0.487227414 0.5247252747 0.3042089985
## 1461
        ## 1462
        0.2426313541 0.1539201539 0.154517134 0.2458791209 0.4174165457
## 1463
        0.0457069628 0.0043290043 0.019937695 0.0302197802 0.3898403483
## 1464
        0.1520717642 0.0360750361 0.175077882 0.1478937729 0.3367198839
## 1465
        0.1606151217 0.1808561809 0.000000000 0.1721611722 0.5056603774
## 1466
        0.0585219991 0.0028860029 0.028037383 0.0599816850 0.3851959361
## 1467
        0.1811191798 0.0567580568 0.190654206 0.1730769231 0.3419448476
## 1468
        ## 1469
        0.2524562153 0.0379990380 0.140809969 0.2261904762 0.3538461538
        0.1764203332 0.1986531987 0.000000000 0.1891025641 0.5164005806
## 1470
## 1471
        0.0380179411 0.0428090428 0.000000000 0.0407509158 0.4223512337
## 1472
        0.4818453652 0.1255411255 0.540186916 0.4853479853 0.2206095791
## 1473
        0.1085006408 0.0327080327 0.115887850 0.1126373626 0.3622641509
## 1474
        0.0935497651 0.0024050024 0.026791277 0.0952380952 0.3854862119
## 1475
        0.0286202478 0.0322270322 0.000000000 0.0306776557 0.4159651669
## 1476
        0.0256300726 0.0288600289 0.000000000 0.0274725275 0.4139332366
## 1477
        0.0905595899 0.1019721020 0.000000000 0.0970695971 0.4580551524
## 1478
        0.1917983768 0.0115440115 0.092834891 0.1891025641 0.3602322206
## 1479
        0.1260145237 0.1418951419 0.000000000 0.1350732601 0.4821480406
## 1480
        0.1161896625 0.0230880231 0.139563863 0.1195054945 0.3454281567
## 1481
        0.0764630500 0.0226070226 0.082242991 0.0782967033 0.3718432511
## 1482
        0.0815890645 0.0918710919 0.000000000 0.0874542125 0.4519593614
## 1483
        0.2127296027 0.0187590188 0.225545171 0.2055860806 0.3027576197
## 1484
        0.0371636053 0.0418470418 0.000000000 0.0398351648 0.4217706821
## 1485
        0.1674498078 0.0062530063 0.105919003 0.1703296703 0.3509433962
## 1486
        0.0828705681 0.0933140933 0.000000000 0.0888278388 0.4528301887
## 1487
        0.0572404955 0.0644540645 0.000000000 0.0613553114 0.4354136430
## 1488
        0.0602306707 0.0678210678 0.000000000 0.0645604396 0.4374455733
## 1489
        0.0371636053 0.0418470418 0.000000000 0.0398351648 0.4217706821
## 1490
        0.0623665100 0.0067340067 0.082242991 0.0636446886 0.3622641509
## 1491
        0.0909867578 0.0033670034 0.033021807 0.0892857143 0.3831640058
## 1492
        0.0247757369 0.0278980279 0.000000000 0.0265567766 0.4133526851
## 1493
        0.1704399829 0.0057720058 0.103426791 0.1721611722 0.3518142235
## 1494
        0.1033746262 0.0043290043 0.058566978 0.1034798535 0.3718432511
## 1495
        0.1008116190 0.0024050024 0.062305296 0.0998168498 0.3689404935
## 1496
        0.1456642460 0.0389610390 0.161993769 0.1478937729 0.3445573295
## 1497
        0.1038017941 0.1168831169 0.000000000 0.1112637363 0.4670537010
## 1498
        0.1785561726 0.0028860029 0.026791277 0.1717032967 0.3857764877
        0.0884237505 0.0105820106 0.021183801 0.0755494505 0.3930333817
## 1499
## 1500
        0.0820162324 0.0923520924 0.000000000 0.0879120879 0.4522496372
       0.1841093550 0.0028860029 0.013707165 0.1845238095 0.3918722787
```

```
0.0538231525 0.0606060606 0.000000000 0.0576923077 0.4330914369
## 1502
## 1503
        0.0794532251 0.0048100048 0.023052960 0.0792124542 0.3886792453
## 1504
         0.0153780436 0.0004810005 0.009345794 0.0146520147 0.3924528302
        0.0401537804 0.0062530063 0.009345794 0.0352564103 0.3959361393
## 1505
## 1506
         0.0807347287 0.0091390091 0.031152648 0.0709706960 0.3875181422
## 1507
         0.0961127723 0.0692640693 0.050467290 0.1021062271 0.4148040639
## 1508
         0.0149508757 0.0052910053 0.014953271 0.0160256410 0.3927431060
## 1509
         0.0965399402 0.1087061087 0.000000000 0.1034798535 0.4621190131
## 1510
         0.0064075182 0.0072150072 0.000000000 0.0068681319 0.4008708273
## 1511
         0.0158052114 0.0009620010 0.003738318 0.0160256410 0.3953555878
         0.1170439983 0.0014430014 0.121495327 0.1236263736 0.3407837446
## 1512
## 1513
         0.0542503204 0.0033670034 0.074766355 0.0558608059 0.3637155298
## 1514
         0.0867150790 0.0490620491 0.062928349 0.0929487179 0.3968069666
         0.1114908159 0.0014430014 0.160747664 0.1190476190 0.3224963716
## 1515
## 1516
         0.0029901751 0.0000000000 0.001869159 0.0027472527 0.3956458636
## 1517
         0.0482699701 0.0014430014 0.007476636 0.0467032967 0.3939042090
## 1518
         0.0542503204 0.0086580087 0.067912773 0.0567765568 0.3701015965
## 1519
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         0.0046988466 0.0009620010 0.005607477 0.0050366300 0.3944847605
## 1520
## 1521
         0.0568133276 0.0014430014 0.018691589 0.0590659341 0.3886792453
## 1522
         0.1798376762 0.0038480038 0.034890966 0.1858974359 0.3825834543
## 1523
         0.4305852200 0.0149110149 0.608722741 0.4491758242 0.1219158200
## 1524
         0.0388722768 0.0437710438 0.000000000 0.0416666667 0.4229317852
## 1525
         0.2998718496 0.3376623377 0.000000000 0.3214285714 0.6002902758
## 1526
         0.1093549765 0.0000000000 0.000000000 0.1172161172 0.3965166909
## 1527
         0.0106791969 0.0009620010 0.004984424 0.0105311355 0.3947750363
         0.1473729176 0.0413660414 0.161370717 0.1506410256 0.3462989840
## 1528
         0.1187526698 0.0288600289 0.135825545 0.1263736264 0.3506531205
## 1529
## 1530
         0.0747543785 0.0038480038 0.044236760 0.0760073260 0.3782293179
## 1531
         0.0281930799 0.0317460317 0.000000000 0.0302197802 0.4156748911
## 1532
        0.0747543785 0.0004810005 0.026791277 0.0787545788 0.3843251089
## 1533
         0.2088850918 0.2352092352 0.000000000 0.2239010989 0.5384615385
## 1534
         0.1067919692 0.0173160173 0.133333333 0.1112637363 0.3448476052
## 1535
         0.1879538659 0.0278980279 0.238006231 0.1826923077 0.3024673440
## 1536
         0.0807347287 0.0909090909 0.000000000 0.0865384615 0.4513788099
## 1537
         0.1819735156 0.0096200096 0.138317757 0.1826923077 0.3378809869
         0.0192225545 0.0216450216 0.000000000 0.0206043956 0.4095791001
## 1538
## 1539
         0.0495514737 0.0052910053 0.065420561 0.0485347985 0.3692307692
## 1540
         0.0448526271 0.0000000000 0.002492212 0.0471611722 0.3953555878
        0.5719777873 0.0226070226 0.076635514 0.5485347985 0.3744557329
## 1541
## 1542
         0.0909867578 0.0014430014 0.050467290 0.0956959707 0.3738751814
## 1543
         0.0307560871 0.0081770082 0.034267913 0.0315934066 0.3854862119
## 1544
         0.1610422896 0.0052910053 0.033021807 0.1639194139 0.3843251089
         0.0243485690 0.0000000000 0.003115265 0.0247252747 0.3950653120
## 1545
## 1546
         0.0162323793 0.0000000000 0.001869159 0.0164835165 0.3956458636
## 1547
         0.1413925673 0.0048100048 0.200000000 0.1474358974 0.3062409289
## 1548
         0.0179410508 0.0004810005 0.025545171 0.0192307692 0.3849056604
         0.1170439983 0.0101010101 0.157632399 0.1240842491 0.3291727141
## 1549
## 1550
         0.1012387868 0.0019240019 0.012461059 0.1048534799 0.3918722787
        0.3421614695 0.3852813853 0.000000000 0.3667582418 0.6290275762
```

```
0.0085433575 0.0096200096 0.000000000 0.0091575092 0.4023222061
## 1552
## 1553
        0.3186672362 0.0052910053 0.269158879 0.3351648352 0.2743105951
## 1554
         0.1230243486 0.0048100048 0.173208723 0.1295787546 0.3187227866
        0.1161896625 0.1308321308 0.000000000 0.1245421245 0.4754716981
## 1555
## 1556
         0.0316104229 0.0355940356 0.000000000 0.0338827839 0.4179970972
## 1557
         0.0721913712 0.0812890813 0.000000000 0.0773809524 0.4455732946
## 1558
         0.1610422896 0.0009620010 0.004984424 0.1694139194 0.3947750363
## 1559
         0.0158052114 0.0177970178 0.000000000 0.0169413919 0.4072568940
## 1560
         0.0790260572 0.0889850890 0.000000000 0.0847069597 0.4502177068
## 1561
         0.0995301153 0.0471380471 0.084112150 0.1016483516 0.3857764877
## 1562
        0.1503630927 0.1693121693 0.000000000 0.1611721612 0.4986937591
## 1563
         0.0123878684 0.0038480038 0.013084112 0.0119047619 0.3927431060
## 1564
        0.1093549765 0.1231361231 0.000000000 0.1172161172 0.4708272859
## 1565
         0.1178983340 0.1327561328 0.000000000 0.1263736264 0.4766328012
## 1566
         0.0422896198 0.0476190476 0.000000000 0.0453296703 0.4252539913
## 1567
         0.1136266553 0.1279461279 0.000000000 0.1217948718 0.4737300435
## 1568
         0.0679196924 0.0764790765 0.000000000 0.0728021978 0.4426705370
## 1569
         0.0410081162 0.0461760462 0.000000000 0.0439560440 0.4243831640
## 1570
         0.1789833405 0.2015392015 0.000000000 0.1918498168 0.5181422351
## 1571
        0.0269115762 0.0303030303 0.000000000 0.0288461538 0.4148040639
## 1572
         0.2490388723 0.0634920635 0.280996885 0.2641941392 0.3039187228
## 1573
        0.0196497223 0.0024050024 0.006230530 0.0178571429 0.3950653120
         0.4190516873 0.0076960077 0.601246106 0.4468864469 0.1210449927
## 1574
## 1575
         0.1905168731 0.0226070226 0.248598131 0.2037545788 0.2943396226
## 1576
         0.3216574114 0.0004810005 0.011838006 0.3406593407 0.3912917271
## 1577
         0.0303289193 0.0216450216 0.016199377 0.0325091575 0.4020319303
## 1578
        0.0815890645 0.0918710919 0.000000000 0.0874542125 0.4519593614
## 1579
         0.1875266980 0.0048100048 0.267289720 0.1982600733 0.2748911466
## 1580
         0.0884237505 0.0995670996 0.000000000 0.0947802198 0.4566037736
## 1581
         0.0247757369 0.0278980279 0.000000000 0.0265567766 0.4133526851
## 1582
        0.2302434857 0.1577681578 0.131464174 0.2463369963 0.4304789550
## 1583
         0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 1584
         0.0012815036 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 1585
         0.0098248612 0.0028860029 0.010591900 0.0105311355 0.3933236575
## 1586
         0.0076890218 0.0004810005 0.002492212 0.0064102564 0.3956458636
## 1587
         0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
         0.0158052114 0.0014430014 0.003115265 0.0146520147 0.3959361393
## 1588
## 1589
         0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 1590
         0.0106791969 0.0120250120 0.000000000 0.0114468864 0.4037735849
## 1591
        0.0064075182 0.0019240019 0.006853583 0.0068681319 0.3944847605
## 1592
         0.0119607006 0.0000000000 0.003115265 0.0123626374 0.3950653120
## 1593
         0.0102520290 0.0000000000 0.000000000 0.0109890110 0.3965166909
## 1594
         0.0102520290 0.0000000000 0.000000000 0.0109890110 0.3965166909
## 1595
         0.0679196924 0.0764790765 0.000000000 0.0728021978 0.4426705370
## 1596
         0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1597
         0.0051260145 0.0024050024 0.004361371 0.0032051282 0.3959361393
## 1598
         0.0140965399 0.0158730159 0.000000000 0.0151098901 0.4060957910
         0.0162323793  0.0033670034  0.019314642  0.0173992674  0.3895500726
## 1599
## 1600
         0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
        0.0145237078 0.0004810005 0.020560748 0.0151098901 0.3872278665
```

```
0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
## 1602
## 1603
      0.0017086715 0.0000000000 0.001869159 0.0009157509 0.3956458636
## 1604
      ## 1605
      0.0012815036 0.0009620010 0.000623053 0.0000000000 0.3968069666
## 1606
      0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 1607
      0.0277659120 0.0101010101 0.027414330 0.0297619048 0.3898403483
## 1608
      0.0781717215 0.0043290043 0.023052960 0.0778388278 0.3883889695
## 1609
      0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 1610
      0.0021358394 0.0000000000 0.003115265 0.0022893773 0.3950653120
## 1611
      0.0059803503 0.0004810005 0.000623053 0.0054945055 0.3965166909
## 1612
      0.0025630073 0.0014430014 0.001869159 0.0022893773 0.3965166909
## 1613
      ## 1614
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1615
      0.0089705254 0.0000000000 0.003738318 0.0096153846 0.3947750363
## 1616
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1617
      ## 1618
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1619
      ## 1620
      0.0068346860 0.0004810005 0.000000000 0.0068681319 0.3968069666
## 1621
      0.0034173430 0.0038480038 0.000000000 0.0036630037 0.3988388970
## 1622
      0.0093976933 0.0105820106 0.000000000 0.0100732601 0.4029027576
## 1623
      0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 1624
      0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1625
      ## 1626
      0.0145237078 0.0163540164 0.000000000 0.0155677656 0.4063860668
## 1627
      0.0593763349 0.0668590669 0.000000000 0.0636446886 0.4368650218
## 1628
      0.0102520290 0.0000000000 0.004361371 0.0109890110 0.3944847605
## 1629
      0.0683468603 0.0028860029 0.095950156 0.0718864469 0.3535558781
## 1630
      0.0213583938 0.0000000000 0.003738318 0.0228937729 0.3947750363
## 1631
      0.0179410508 0.0024050024 0.023052960 0.0183150183 0.3872278665
## 1632
      0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
## 1633
      0.0012815036 0.0000000000 0.001869159 0.0009157509 0.3956458636
## 1634
      0.0162323793 0.0038480038 0.018691589 0.0155677656 0.3901306241
## 1635
      ## 1636
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 1637
      ## 1638
## 1639
      0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 1640
      0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 1641
      ## 1642
      ## 1643
      ## 1644
      0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 1645
      ## 1646
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1647
      ## 1648
      ## 1649
      0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 1650
      0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
```

```
## 1652
## 1653
    ## 1654
    ## 1655
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1656
    0.0034173430 0.0009620010 0.000000000 0.0027472527 0.3970972424
## 1657
    ## 1658
    ## 1659
    ## 1660
    ## 1661
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1662
    ## 1663
    ## 1664
    0.0008543358 0.0004810005 0.000623053 0.0009157509 0.3965166909
## 1665
    ## 1666
    0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 1667
    ## 1668
    0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 1669
    ## 1670
    ## 1671
    0.0111063648 0.0000000000 0.000623053 0.0114468864 0.3962264151
## 1672
    ## 1673
    ## 1674
    0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 1675
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1676
    ## 1677
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1678
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1679
    ## 1680
    ## 1681
    ## 1682
    ## 1683
    0.0029901751 0.0004810005 0.003738318 0.0027472527 0.3950653120
## 1684
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1685
    ## 1686
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1687
    ## 1688
    ## 1689
    ## 1690
    0.0021358394 0.0000000000 0.002492212 0.0009157509 0.3953555878
## 1691
    0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 1692
    ## 1693
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1694
    0.0004271679 0.0000000000 0.000623053 0.0000000000 0.3962264151
## 1695
    ## 1696
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1697
    ## 1698
    0.0038445109 0.0000000000 0.000623053 0.0036630037 0.3962264151
## 1699
    0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 1700
```

```
## 1702
   ## 1703
   ## 1704
   ## 1705
   ## 1706
   0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 1707
   0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 1708
   0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 1709
   ## 1710
   ## 1711
   0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1712
   ## 1713
   0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1714
   ## 1715
   ## 1716
   ## 1717
   0.0055531824 0.0000000000 0.000623053 0.0059523810 0.3962264151
## 1718
   ## 1719
   0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 1720
   ## 1721
   0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1722
   ## 1723
   ## 1724
   0.0012815036 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 1725
   ## 1726
   0.0012815036 0.0004810005 0.000623053 0.0009157509 0.3965166909
## 1727
   ## 1728
   0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 1729
   0.0025630073 0.0009620010 0.002492212 0.0022893773 0.3959361393
## 1730
   ## 1731
   0.0017086715 0.0004810005 0.001869159 0.0018315018 0.3959361393
## 1732
   ## 1733
   ## 1734
   ## 1735
   ## 1736
   0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1737
   ## 1738
   0.0038445109 0.0004810005 0.004984424 0.0036630037 0.3944847605
## 1739
   ## 1740
   ## 1741
   ## 1742
   ## 1743
   ## 1744
   ## 1745
   ## 1746
   ## 1747
   0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 1748
   ## 1749
   ## 1750
   0.0012815036 0.0000000000 0.000623053 0.0009157509 0.3962264151
   0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
```

```
## 1752
## 1753
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1754
     0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1755
     ## 1756
     0.0055531824 0.0014430014 0.006230530 0.0050366300 0.3944847605
## 1757
     0.0038445109 0.0004810005 0.003115265 0.0036630037 0.3953555878
## 1758
     0.0085433575 0.0019240019 0.009968847 0.0082417582 0.3930333817
## 1759
     ## 1760
     0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 1761
     ## 1762
     0.0008543358 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1763
     ## 1764
     0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1765
     0.0042716788 0.0000000000 0.002492212 0.0041208791 0.3953555878
## 1766
     ## 1767
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1768
     0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1769
     ## 1770
     0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1771
     0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
     ## 1772
## 1773
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1774
     0.0008543358 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 1775
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1776
     0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1777
     ## 1778
     0.0008543358 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1779
     ## 1780
     0.0012815036 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 1781
     0.0017086715 0.0000000000 0.001246106 0.0018315018 0.3959361393
## 1782
     ## 1783
     ## 1784
     0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 1785
     ## 1786
     0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1787
     ## 1788
     0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 1789
     0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 1790
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1791
     ## 1792
     ## 1793
     0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 1794
     ## 1795
     0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 1796
     0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1797
     ## 1798
     ## 1799
     ## 1800
     ## 1801
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
```

```
## 1802
      ## 1803
      ## 1804
      ## 1805
      ## 1806
      ## 1807
      0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 1808
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1809
      0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1810
      ## 1811
      ## 1812
      ## 1813
      ## 1814
      ## 1815
      0.0012815036 0.0004810005 0.001246106 0.0013736264 0.3962264151
## 1816
      ## 1817
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1818
      0.0085433575 0.0096200096 0.000000000 0.0091575092 0.4023222061
## 1819
      ## 1820
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1821
      0.0008543358 0.0004810005 0.000623053 0.0009157509 0.3965166909
## 1822
      0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1823
      0.0021358394 0.0004810005 0.002492212 0.0022893773 0.3956458636
## 1824
      0.0034173430 0.0038480038 0.000000000 0.0036630037 0.3988388970
## 1825
      0.0017086715 0.0004810005 0.001869159 0.0018315018 0.3959361393
## 1826
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1827
      0.0029901751 0.0019240019 0.000000000 0.0013736264 0.3976777939
## 1828
      0.0038445109 0.0000000000 0.001869159 0.0041208791 0.3956458636
## 1829
      ## 1830
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1831
      0.0068346860 0.0000000000 0.001246106 0.0064102564 0.3959361393
## 1832
      0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 1833
      0.0021358394 0.0004810005 0.002492212 0.0022893773 0.3956458636
## 1834
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 1835
      0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 1836
      0.0017086715 0.0000000000 0.000000000 0.0018315018 0.3965166909
## 1837
      0.0025630073 0.0000000000 0.003115265 0.0027472527 0.3950653120
## 1838
      0.0017086715 0.0000000000 0.000000000 0.0018315018 0.3965166909
## 1839
      0.0021358394 0.0004810005 0.000000000 0.0018315018 0.3968069666
## 1840
      0.0059803503 0.0067340067 0.000000000 0.0064102564 0.4005805515
## 1841
      0.0068346860 0.0014430014 0.008099688 0.0064102564 0.3936139332
## 1842
      0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 1843
      0.0034173430 0.0000000000 0.002492212 0.0036630037 0.3953555878
## 1844
      0.0034173430 0.0033670034 0.000623053 0.0036630037 0.3982583454
## 1845
      0.0046988466 0.0000000000 0.001869159 0.0045787546 0.3956458636
## 1846
      ## 1847
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 1848
      0.0046988466 0.0000000000 0.000623053 0.0050366300 0.3962264151
## 1849
      0.0059803503 0.0000000000 0.000000000 0.0064102564 0.3965166909
## 1850
      0.0042716788 0.0000000000 0.000000000 0.0045787546 0.3965166909
```

```
##
                                             X2 X0.6
                                                             X24 X0.7 X0.8 X0.9
                             X166
## 1
         0.13888889 6.145251e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          a
                                                                                0
##
   2
         0.19444444 6.191806e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.86111111 6.098696e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
##
  3
                                                                     0
                                                                          0
## 4
         0.80555556 6.610801e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 5
         0.83333333 7.728119e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.94444444 6.750466e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
##
  6
                                                                     0
                                                                          0
##
   7
         0.44444444 7.309125e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.48611111 8.240223e-03 2.761306e-05
##
  8
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  9
         0.66666667 5.865922e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 10
         0.72222222 8.752328e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.95833333 8.007449e-03 2.070979e-05
## 11
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  12
         0.04166667 7.309125e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 13
         0.51388889 5.865922e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.31944444 4.795158e-03 0.000000e+00
                                                  NaN 1.00000000
##
  14
                                                                     0
                                                                          1
                                                                                0
##
  15
         0.5555556 7.355680e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 16
         0.75000000 7.029795e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 17
         0.40277778 6.191806e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 18
         0.50000000 6.378026e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  19
         0.15277778 4.934823e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  20
         0.86111111 6.936685e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          1
##
  21
         0.43055556 6.284916e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.75000000 2.979516e-03 0.000000e+00
## 22
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  23
         0.95833333 5.167598e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  24
         0.98611111 7.262570e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
##
   25
         0.84722222 9.264432e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  26
         0.18055556 1.396648e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  27
##
         0.68055556 4.469274e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
  28
         0.48611111 3.119181e-03 0.000000e+00
##
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  29
         0.15277778 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
  30
         0.51388889 7.821229e-03 0.000000e+00
##
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 31
         0.00000000 3.910615e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
##
  32
         0.15277778 5.400372e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.59722222 2.979516e-03 6.903265e-06
##
  33
                                                  NaN 1.00000000
                                                                                0
##
   34
         0.25000000 6.191806e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  35
         0.88888889 8.659218e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.70833333 9.543762e-03 0.000000e+00
##
  36
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  37
         0.93055556 9.776536e-03 1.863881e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.16666667 5.307263e-03 8.283917e-05
## 38
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
   39
         0.43055556 6.610801e-03 2.761306e-05
##
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 40
         0.52777778 5.726257e-03 1.104522e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          0
## 41
         0.91666667 3.165736e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 42
         0.33333333 6.191806e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.65277778 4.655493e-03 0.000000e+00
## 43
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 44
         0.36111111 4.841713e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 45
         0.6111111 5.121043e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 46
         0.83333333 4.702048e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.68055556 5.633147e-03 0.000000e+00
## 47
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 48
         0.45833333 6.703911e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.01388889 7.821229e-03 6.903265e-06
## 49
                                                  NaN 1.00000000
                                                                     0
                                                                                0
```

```
## 50
         0.09722222 6.657356e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 51
         0.75000000 4.236499e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 52
         0.63888889 2.420857e-03 4.141959e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.5555556 9.404097e-03 2.001947e-04
##
  53
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
## 54
         0.93055556 3.864060e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 55
         0.75000000 4.376164e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
  56
         0.54166667 3.351955e-03 0.000000e+00
                                                  NaN 1.00000000
##
                                                                     0
                                                                          0
                                                                                0
##
   57
         0.05555556 6.145251e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.77777778 9.124767e-03 2.070979e-05
##
  58
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 59
         0.63888889 2.932961e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 60
         0.56944444 5.353818e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 61
         0.41666667 9.171322e-03 2.485175e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
##
  62
         0.68055556 9.823091e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 63
         0.58333333 5.400372e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.80555556 9.264432e-03 6.903265e-06
## 64
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
##
  65
         0.79166667 3.026071e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
##
   66
         0.25000000 3.165736e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 67
         0.54166667 6.005587e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 68
         0.30555556 8.100559e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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##
   69
         0.15277778 9.823091e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  70
         0.23611111 4.562384e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          0
##
  71
         0.43055556 7.681564e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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##
  72
         0.52777778 1.000931e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  73
         0.63888889 1.052142e-02 1.518718e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  74
         0.16666667 9.450652e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                                1
##
   75
         0.80555556 5.819367e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
##
  76
         0.04166667 8.007449e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
##
  77
         0.01388889 7.122905e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.0555556 5.912477e-03 0.000000e+00
##
  78
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  79
         0.75000000 3.584730e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
  80
         0.93055556 9.124767e-03 6.903265e-06
##
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 81
         0.69444444 3.119181e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
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##
  82
         0.54166667 9.729981e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
##
  83
         0.48611111 3.538175e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          1
                                                                                0
##
  84
         0.97222222 7.355680e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
  85
         0.05555556 6.052142e-03 1.380653e-05
                                                  NaN 1.00000000
##
                                                                     0
                                                                          0
                                                                                1
         0.26388889 6.238361e-03 0.000000e+00
## 86
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 87
         0.61111111 5.260708e-03 2.209045e-04
                                                  NaN 1.00000000
                                                                          0
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                                                                     0
## 88
         0.81944444 8.566108e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  89
         0.59722222 6.191806e-03 6.903265e-06
##
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  90
         0.81944444 5.865922e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          0
## 91
         0.40277778 6.052142e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 92
         0.31944444 4.934823e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 93
         0.40277778 6.424581e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
  94
         0.94444444 5.633147e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                1
##
                                                                     0
                                                                          0
         0.69444444 0.000000e+00 1.380653e-05
## 95
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 96
         0.93055556 7.076350e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
                                                                                0
## 97
         0.51388889 7.309125e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 98
         0.4444444 6.564246e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 99
         0.40277778 6.424581e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
```

```
## 100
         0.63888889 3.258845e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 101
         0.59722222 7.914339e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 102
         0.5555556 8.007449e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 103
         0.13888889 6.843575e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 104
         0.54166667 4.469274e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 105
         0.69444444 3.770950e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 106
         0.33333333 9.776536e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 107
         0.79166667 2.281192e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 108
         0.58333333 5.493482e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 109
         0.50000000 6.703911e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                          1
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                                                                     0
## 110
         0.04166667 3.677840e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 111
         0.2222222 6.331471e-03 1.380653e-05
                                                  NaN 1.00000000
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                                                                               1
## 112
         0.58333333 6.983240e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                               0
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                                                                          0
## 113
         0.19444444 9.078212e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 114
         0.69444444 2.374302e-03 1.380653e-05
                                                  NaN 1.00000000
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                                                                     0
## 115
         0.48611111 5.912477e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                               0
## 116
         0.01388889 5.307263e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.61111111 5.353818e-03 6.903265e-06
## 117
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 118
         0.26388889 1.582868e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 119
         0.23611111 4.981378e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 120
         0.37500000 3.491620e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     0
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## 121
         0.86111111 9.450652e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 122
         0.25000000 3.072626e-03 2.209045e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 123
         0.95833333 4.655493e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 124
         0.45833333 5.121043e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          1
                                                                               0
## 125
         0.91666667 1.675978e-03 1.173555e-04
                                                  NaN 1.00000000
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                                                                          1
                                                                                0
## 126
         0.65277778 4.143389e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                               1
                                                                          0
## 127
         0.15277778 3.445065e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 128
         0.66666667 8.472998e-03 0.000000e+00
                                                                               0
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 129
         0.52777778 5.027933e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 130
         0.90277778 4.003724e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
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                                                                               0
## 131
         0.02777778 9.729981e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 132
         0.4444444 4.934823e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 133
         0.31944444 2.653631e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
## 134
         0.58333333 1.769088e-03 8.256304e-03
                                                  NaN 1.00000000
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## 135
         0.23611111 1.210428e-03 1.580848e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.56944444 1.210428e-03 9.429859e-03
## 136
                                                  NaN 1.00000000
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## 137
         0.20833333 3.026071e-03 7.055136e-03
                                                  NaN 1.00000000
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## 138
         0.97222222 3.445065e-03 3.603504e-03
                                                  NaN 1.00000000
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                                                                               0
## 139
         0.48611111 0.000000e+00 1.905301e-03
                                                  NaN 1.00000000
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## 140
         0.38888889 1.908752e-03 3.686343e-03
                                                  NaN 1.00000000
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                                                                               0
## 141
         0.45833333 8.845438e-04 1.401363e-03
                                                  NaN 1.00000000
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                                                                               0
## 142
         0.68055556 6.517691e-04 2.429949e-03
                                                  NaN 1.00000000
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## 143
         0.23611111 2.839851e-03 1.187362e-03
                                                  NaN 1.00000000
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## 144
         0.72222222 2.607076e-03 2.637047e-03
                                                  NaN 1.00000000
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## 145
         0.61111111 6.517691e-04 2.837242e-03
                                                  NaN 1.00000000
                                                                     0
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                                                                               0
## 146
         0.94444444 2.374302e-03 1.926011e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 147
         0.58333333 4.469274e-03 1.525621e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 148
         0.75000000 4.469274e-03 1.000973e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 149
         0.2222222 2.001862e-03 1.360633e-02
                                                 NaN 1.00000000
                                                                     0
                                                                               1
```

```
## 150
         0.81944444 5.121043e-04 2.333303e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 151
         0.04166667 1.722533e-03 3.755376e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 152
         0.61111111 1.722533e-03 1.415169e-03
                                                  NaN 1.00000000
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                                                                               0
## 153
         0.18055556 3.817505e-03 2.740596e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 154
         0.37500000 1.303538e-03 1.863881e-03
                                                  NaN 1.00000000
                                                                     1
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                                                                               0
## 155
         0.13888889 2.234637e-03 2.995326e-02
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 156
         0.70833333 8.845438e-04 1.491105e-03
                                                  NaN 1.00000000
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## 157
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         0.91666667 2.327747e-03 1.357182e-02
## 158
                                                  NaN 1.00000000
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                                                                          0
                                                                               1
## 159
         0.06944444 3.631285e-03 2.837242e-03
                                                  NaN 1.00000000
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                                                                     0
## 160
         0.90277778 6.517691e-04 2.112399e-03
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## 161
         0.80555556 1.024209e-03 1.187362e-03
                                                  NaN 1.00000000
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## 162
         0.1111111 2.234637e-03 1.808655e-03
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## 163
         0.02777778 6.517691e-04 1.781042e-03
                                                  NaN 1.00000000
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## 164
         0.52777778 9.124767e-03 7.462429e-03
                                                  NaN 1.00000000
                                                                          0
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                                                                     0
## 165
         0.1111111 1.527002e-02 1.234994e-02
                                                  NaN 1.00000000
                                                                               0
## 166
         0.63888889 8.845438e-04 2.298787e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 167
         0.50000000 4.376164e-03 4.728736e-03
                                                  NaN 1.00000000
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## 168
         0.29166667 2.001862e-03 1.118329e-03
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## 169
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                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 170
         0.01388889 1.722533e-03 4.293831e-03
                                                  NaN 1.00000000
                                                                               0
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                                                                          0
         0.66666667 9.776536e-04 4.355960e-03
## 171
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 172
         0.1111111 6.517691e-04 4.162669e-03
                                                  NaN 1.00000000
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## 173
         0.45833333 9.310987e-04 1.049296e-03
                                                  NaN 1.00000000
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                                                                               0
## 174
         0.48611111 3.258845e-03 6.696167e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 175
         0.27777778 1.862197e-03 2.685370e-03
                                                  NaN 1.00000000
                                                                     0
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                                                                               0
## 176
         0.2222222 6.517691e-04 7.918044e-03
                                                  NaN 1.00000000
                                                                     0
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                                                                               1
## 177
         0.58333333 8.845438e-04 1.636074e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 178
         0.13888889 3.491620e-03 1.346137e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 179
         0.33333333 8.845438e-04 2.188335e-03
                                                  NaN 1.00000000
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                                                                               0
                                                                     0
## 180
         0.05555556 1.303538e-03 2.678467e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 181
         0.29166667 1.210428e-03 3.154792e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 182
         0.08333333 6.517691e-04 2.312594e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.52777778 1.256983e-03 6.627134e-04
## 183
                                                  NaN 1.00000000
                                                                          0
                                                                                0
## 184
         0.41666667 1.303538e-03 3.486149e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 185
         0.63888889 1.163873e-03 3.679440e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.83333333 2.467412e-03 7.179395e-04
## 186
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 187
         0.31944444 5.121043e-03 3.589698e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 188
         0.16666667 9.776536e-04 2.381626e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 189
         0.91666667 3.072626e-03 2.174528e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 190
         0.47222222 4.562384e-03 7.110362e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 191
         0.62500000 0.000000e+00 1.249491e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 192
         1.00000000 9.776536e-04 1.442782e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 193
         0.77777778 5.121043e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 194
         0.04166667 0.000000e+00 5.674483e-03
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 195
         0.02777778 1.769088e-03 3.106469e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 196
         0.56944444 6.983240e-04 1.946721e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 197
         0.01388889 1.354749e-02 1.905301e-03
                                                                               0
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 198
         0.77777778 9.776536e-04 1.049296e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.26388889 2.234637e-03 2.754403e-03
## 199
                                                  NaN 1.00000000
                                                                     0
                                                                               0
```

```
## 200
         0.87500000 5.121043e-04 8.352950e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 201
         0.4444444 1.056797e-02 1.386176e-02
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 202
         0.33333333 9.776536e-04 4.210991e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 203
         0.69444444 5.121043e-04 4.155765e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 204
         0.95833333 1.163873e-03 1.891494e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 205
         0.95833333 6.191806e-03 2.229754e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 206
         0.75000000 1.582868e-03 1.339233e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     1
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##
  207
         0.27777778 7.914339e-04 8.767146e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 208
         0.43055556 0.000000e+00 1.463492e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 209
         0.77777778 1.722533e-03 2.015753e-03
                                                  NaN 0.69565217
                                                                          0
                                                                                1
                                                                     0
## 210
         0.59722222 1.675978e-03 1.960527e-03
                                                  NaN 0.73913043
                                                                     0
                                                                          0
                                                                                1
## 211
         0.18055556 6.983240e-04 1.498008e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 212
         0.38888889 3.342644e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 213
         0.83333333 1.824953e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 214
         0.68055556 3.072626e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 215
         0.80555556 1.429236e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
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## 216
         0.27777778 6.284916e-03 2.070979e-04
                                                  NaN 1.00000000
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## 217
         0.00000000 4.362197e-02 1.132135e-03
                                                  NaN 1.00000000
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## 218
         0.69444444 1.634078e-02 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
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## 219
         0.12500000 7.262570e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
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## 220
         0.83333333 3.724395e-03 6.903265e-06
                                                  NaN 1.00000000
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## 221
         0.26388889 1.475791e-02 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
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## 222
         0.94444444 1.135940e-01 5.591644e-04
                                                  NaN 1.00000000
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## 223
         0.20833333 1.214618e-01 3.658730e-04
                                                  NaN 1.00000000
                                                                     0
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## 224
         0.95833333 1.368715e-02 3.382600e-04
                                                  NaN 1.00000000
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## 225
         0.04166667 1.149907e-02 1.380653e-05
                                                  NaN 1.00000000
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## 226
         0.37500000 6.238361e-02 9.664570e-05
                                                  NaN 1.00000000
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                                                                     0
         0.16666667 1.092644e-01 3.175502e-04
## 227
                                                  NaN 1.00000000
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## 228
         0.29166667 4.138734e-02 9.802636e-04
                                                  NaN 1.00000000
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## 229
         0.3333333 1.070764e-03 5.384546e-04
                                                  NaN 1.00000000
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## 230
         0.19444444 1.759777e-02 2.968404e-04
                                                  NaN 1.00000000
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## 231
         0.08333333 2.918994e-02 5.011770e-03
                                                  NaN 1.00000000
                                                                                0
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## 232
         0.13888889 6.983240e-04 5.315514e-04
                                                  NaN 1.00000000
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## 233
         0.61111111 1.606145e-02 1.539428e-03
                                                  NaN 1.00000000
                                                                                0
         0.90277778 1.727188e-02 1.311620e-04
## 234
                                                  NaN 1.00000000
                                                                     0
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## 235
         0.48611111 7.076350e-02 4.210991e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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         0.37500000 7.900372e-02 5.660677e-04
## 236
                                                  NaN 1.00000000
                                                                     0
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## 237
         0.19444444 6.056797e-02 0.000000e+00
                                                  NaN 1.00000000
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                                                                     0
## 238
         0.76388889 1.340782e-02 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
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## 239
         0.72222222 4.054935e-02 7.317460e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 240
         0.73611111 1.834264e-02 2.070979e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                0
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## 241
         0.69444444 6.610801e-03 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 242
         0.91666667 5.623836e-02 1.235684e-03
                                                  NaN 1.00000000
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## 243
         0.69444444 6.517691e-04 6.903265e-05
                                                  NaN 1.00000000
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                                                                          0
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## 244
         0.37500000 1.159218e-02 2.278077e-04
                                                  NaN 1.00000000
                                                                                0
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## 245
         0.02777778 1.801676e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
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## 246
         0.94444444 1.862197e-03 6.903265e-05
                                                  NaN 1.00000000
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## 247
         0.34722222 9.823091e-03 6.281971e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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##
  248
         0.51388889 3.305400e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 249
         0.23611111 2.141527e-03 1.056199e-03
                                                  NaN 1.00000000
                                                                     0
                                                                                0
```

```
## 250
         0.98611111 4.888268e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 251
         0.58333333 1.261639e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.37500000 5.358473e-02 7.041330e-04
## 252
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 253
         0.79166667 3.356611e-02 3.520665e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 254
         0.23611111 1.590782e-01 5.660677e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 255
         0.86111111 1.261639e-02 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 256
         0.73611111 6.070764e-02 1.518718e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
##
  257
         0.25000000 4.329609e-02 8.560048e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 258
         0.91666667 4.143389e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 259
         0.73611111 1.713222e-02 3.934861e-04
                                                  NaN 1.00000000
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                                                                     0
## 260
         0.08333333 1.117318e-02 5.315514e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 261
         0.54166667 0.000000e+00 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 262
         0.63888889 1.097765e-01 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 263
         0.68055556 5.074488e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 264
         0.05555556 2.141527e-02 6.558101e-03
                                                                                0
                                                  NaN 1.00000000
                                                                     1
                                                                          0
##
  265
         0.84722222 9.138734e-02 5.936808e-04
                                                  NaN 1.00000000
                                                                     1
                                                                                0
##
  266
         0.37500000 5.633147e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 267
         0.76388889 2.751397e-02 9.181342e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
##
  268
         0.06944444 8.891993e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 269
         0.50000000 6.750466e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
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                                                                                0
## 270
         0.47222222 2.458101e-02 4.349057e-04
                                                  NaN 1.00000000
                                                                                0
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                                                                          0
## 271
         0.25000000 4.776536e-02 3.865828e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 272
         0.26388889 1.573557e-02 1.656783e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 273
         0.62500000 9.869646e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
  274
##
         0.52777778 4.003724e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                          0
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##
  275
         0.80555556 1.000931e-02 2.001947e-04
                                                  NaN 1.00000000
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## 276
         0.91666667 5.679702e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                                0
                                                                     1
## 277
         0.06944444 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 278
         0.70833333 1.331471e-02 4.901318e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 279
         0.13888889 3.351955e-03 6.903265e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
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## 280
         0.81944444 0.000000e+00 2.070979e-04
                                                  NaN 1.00000000
                                                                     0
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## 281
         0.87500000 5.391061e-02 5.729710e-04
                                                  NaN 1.00000000
                                                                                0
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##
  282
         0.23611111 3.384544e-02 6.489069e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.40277778 1.499069e-02 5.591644e-04
## 283
                                                  NaN 1.00000000
                                                                          1
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##
  284
         0.30555556 1.163873e-03 1.104522e-04
                                                  NaN 1.00000000
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## 285
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                                                  NaN 1.00000000
                                                                          1
                                                                     0
                                                                                0
         0.27777778 6.899441e-02 1.000973e-03
## 286
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 287
         0.70833333 2.001862e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
         0.77777778 2.094972e-02 1.794849e-04
## 288
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
  289
         0.15277778 9.092179e-02 1.076909e-03
##
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
##
  290
         0.30555556 1.345438e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
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## 291
         0.91666667 4.189944e-04 3.451632e-04
                                                  NaN 1.00000000
                                                                     0
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## 292
         0.1111111 5.167598e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
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## 293
         0.2222222 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
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## 294
         0.13888889 2.295158e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 295
         0.0555556 1.075419e-02 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 296
         0.20833333 1.303538e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 297
         0.2222222 1.797020e-02 5.156739e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 298
         0.68055556 5.493482e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 299
         0.30555556 2.141527e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                1
```

```
## 300
         0.06944444 1.303538e-03 1.932914e-04
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 301
         0.50000000 1.133147e-01 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 302
         0.27777778 4.152700e-02 7.662624e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 303
         0.31944444 1.550279e-02 5.177448e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                               1
## 304
         0.41666667 5.307263e-03 1.380653e-05
                                                  NaN 1.00000000
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## 305
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## 306
         0.65277778 2.113594e-01 3.520665e-04
                                                  NaN 0.91304348
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##
  307
         0.36111111 4.823091e-02 2.050270e-03
                                                  NaN 1.00000000
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                                                                               1
## 308
         0.30555556 1.084730e-02 0.000000e+00
                                                  NaN 1.00000000
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                                                                               1
## 309
         0.1111111 7.700186e-02 2.968404e-04
                                                  NaN 1.00000000
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## 310
         0.08333333 9.357542e-03 0.000000e+00
                                                  NaN 1.00000000
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## 311
         0.79166667 1.191806e-02 1.380653e-05
                                                  NaN 0.30434783
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## 312
         0.01388889 3.133147e-02 1.242588e-04
                                                  NaN 1.00000000
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## 313
         0.86111111 3.696462e-02 4.901318e-04
                                                  NaN 0.08695652
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                                                                               1
## 314
         0.44444444 1.415270e-02 6.903265e-06
                                                  NaN 1.00000000
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## 315
         0.5555556 1.883147e-01 3.175502e-04
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## 316
         0.1111111 4.795158e-02 1.346137e-03
                                                  NaN 1.00000000
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## 317
         0.43055556 7.448790e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                               1
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## 318
         0.79166667 0.000000e+00 5.936808e-04
                                                  NaN 0.13043478
                                                                     0
                                                                          0
                                                                               1
## 319
         0.0555556 3.864060e-02 7.455526e-04
                                                  NaN 1.00000000
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                                                                               1
## 320
         0.04166667 1.182495e-02 1.656783e-04
                                                  NaN 1.00000000
                                                                               0
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                                                                          0
## 321
         0.04166667 2.513966e-03 7.593591e-05
                                                  NaN 1.00000000
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                                                                               0
## 322
         0.15277778 9.590317e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
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## 323
         0.26388889 4.571695e-02 4.072926e-04
                                                  NaN 1.00000000
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                                                                               0
## 324
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## 325
         0.30555556 4.655493e-03 0.000000e+00
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                                                                               0
         0.16666667 1.047486e-02 2.623241e-04
## 326
                                                  NaN 1.00000000
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## 327
         0.01388889 1.722533e-03 4.280024e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 328
         0.00000000 1.270950e-02 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 329
         0.23611111 1.859404e-01 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
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                                                                     0
## 330
         0.15277778 1.378026e-02 3.106469e-04
                                                  NaN 1.00000000
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                                                                               0
## 331
         0.18055556 6.685289e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
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##
  332
         0.20833333 6.890130e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.54166667 1.870577e-01 6.627134e-04
## 333
                                                  NaN 0.00000000
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         0.04166667 1.303538e-02 1.311620e-04
## 334
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 335
         0.12500000 4.776536e-02 9.181342e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
         0.20833333 1.582868e-03 2.070979e-04
## 336
                                                  NaN 0.86956522
                                                                     0
                                                                          0
                                                                               0
## 337
         0.47222222 3.724395e-03 1.794849e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 338
         0.95833333 4.096834e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 339
         0.7222222 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 340
         0.97222222 4.143389e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 341
         0.59722222 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 342
         0.66666667 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 343
                                                                               0
         0.58333333 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 344
         0.12500000 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 345
         0.05555556 4.795158e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 346
         0.43055556 1.056797e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 347
                                                                               0
         0.43055556 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
## 348
         0.00000000 7.495345e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 349
         0.12500000 2.653631e-03 9.602441e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
```

```
## 350
         0.23611111 2.094972e-03 1.145942e-03
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 351
         0.27777778 2.327747e-03 1.567041e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 352
         0.83333333 3.212291e-03 2.485175e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 353
         0.41666667 2.420857e-03 6.005840e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 354
         0.25000000 1.536313e-03 1.898398e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 355
         1.00000000 2.374302e-03 1.567041e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 356
         0.34722222 2.374302e-03 5.177448e-04
                                                  NaN 1.00000000
                                                                                0
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##
  357
         0.00000000 2.700186e-03 1.636074e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 358
         0.90277778 2.234637e-03 2.519692e-03
                                                  NaN 1.00000000
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## 359
         0.72222222 2.839851e-03 1.401363e-03
                                                  NaN 1.00000000
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## 360
         0.36111111 9.776536e-04 4.107442e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 361
         0.97222222 6.890130e-03 8.905211e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
##
  362
         0.87500000 1.699255e-02 4.141959e-04
                                                  NaN 1.00000000
                                                                                1
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                                                                          0
## 363
         0.15277778 7.216015e-03 1.953624e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 364
         0.27777778 2.583799e-02 2.574918e-03
                                                  NaN 1.00000000
                                                                          0
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                                                                     0
##
  365
         0.5555556 1.955307e-03 1.035490e-03
                                                  NaN 1.00000000
                                                                     0
                                                                                0
##
  366
         0.59722222 9.869646e-03 7.904238e-03
                                                  NaN 1.00000000
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                                                                          0
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## 367
         0.31944444 1.862197e-03 5.798742e-04
                                                  NaN 1.00000000
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## 368
         0.54166667 8.566108e-03 2.830338e-04
                                                  NaN 1.00000000
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## 369
         0.48611111 6.098696e-03 1.221878e-03
                                                  NaN 1.00000000
                                                                     0
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## 370
         0.69444444 1.675978e-03 1.277104e-03
                                                  NaN 1.00000000
                                                                                0
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                                                                          0
         0.19444444 1.820298e-02 4.418089e-04
## 371
                                                  NaN 1.00000000
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## 372
         0.81944444 1.396648e-03 6.558101e-04
                                                  NaN 1.00000000
                                                                     0
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## 373
         0.76388889 3.910615e-03 8.007787e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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##
  374
         0.81944444 1.452514e-02 6.219841e-03
                                                  NaN 1.00000000
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##
  375
         0.33333333 1.638734e-02 6.972297e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
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         0.58333333 1.620112e-02 2.692273e-04
## 376
                                                  NaN 1.00000000
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## 377
         0.61111111 7.402235e-03 9.595538e-04
                                                  NaN 1.00000000
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## 378
         0.75000000 2.746741e-03 2.968404e-04
                                                  NaN 1.00000000
                                                                     0
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## 379
         0.08333333 9.404097e-03 2.623241e-04
                                                  NaN 1.00000000
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## 380
         0.54166667 1.391993e-02 4.141959e-04
                                                  NaN 1.00000000
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## 381
         0.73611111 1.364060e-02 5.729710e-04
                                                  NaN 1.00000000
                                                                                1
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##
  382
         0.76388889 1.070764e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
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##
  383
         0.27777778 1.527002e-02 1.725816e-04
                                                  NaN 1.00000000
                                                                                0
         0.19444444 2.099628e-02 1.035490e-04
##
  384
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 385
         0.68055556 1.070764e-03 1.173555e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.65277778 1.294227e-02 9.664570e-05
## 386
                                                  NaN 1.00000000
                                                                     0
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## 387
         0.91666667 1.852886e-02 1.028586e-03
                                                  NaN 1.00000000
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## 388
         0.52777778 2.104283e-02 6.212938e-04
                                                  NaN 1.00000000
                                                                     0
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  389
         0.97222222 1.452514e-02 1.173555e-04
##
                                                  NaN 1.00000000
                                                                     0
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##
  390
         0.38888889 0.000000e+00 6.074873e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 391
         0.79166667 2.015829e-02 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
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## 392
         0.55555556 3.542831e-02 3.244534e-04
                                                  NaN 1.00000000
                                                                     0
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## 393
         0.62500000 1.047486e-02 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 394
         0.56944444 9.059590e-02 9.664570e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 395
         0.72222222 9.059590e-02 2.623241e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 396
         0.58333333 1.275605e-02 1.249491e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 397
         0.18055556 9.869646e-03 1.180458e-03
                                                                                0
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 398
         0.98611111 4.422719e-03 6.019647e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.48611111 9.958101e-02 1.000973e-03
## 399
                                                  NaN 1.00000000
                                                                     1
                                                                                0
```

```
## 400
         0.61111111 7.448790e-04 9.409150e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 401
         0.50000000 8.985102e-03 1.145942e-03
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 402
         0.69444444 2.467412e-03 3.506858e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 403
         0.02777778 6.890130e-03 7.110362e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 404
         0.62500000 1.256983e-02 6.972297e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 405
         0.44444444 3.850093e-02 1.960527e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 406
         0.43055556 2.378957e-02 3.589698e-04
                                                  NaN 1.00000000
                                                                                0
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## 407
         0.38888889 9.310987e-03 8.698113e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 408
         0.79166667 2.039106e-02 9.630054e-03
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 409
         0.41666667 2.039106e-02 1.006496e-02
                                                  NaN 1.00000000
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## 410
         0.88888889 0.000000e+00 6.074873e-04
                                                  NaN 1.00000000
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## 411
         0.51388889 1.834264e-02 8.767146e-04
                                                  NaN 1.00000000
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## 412
         0.80555556 0.000000e+00 6.005840e-04
                                                  NaN 1.00000000
                                                                                0
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## 413
         0.69444444 1.117318e-03 1.083813e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 414
         0.40277778 1.838920e-02 5.108416e-04
                                                  NaN 1.00000000
                                                                                0
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                                                                          0
## 415
         0.1111111 1.429236e-02 4.210991e-04
                                                  NaN 1.00000000
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## 416
         0.69444444 1.163873e-03 7.041330e-04
                                                  NaN 1.00000000
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## 417
         0.47222222 1.997207e-02 6.765199e-04
                                                  NaN 1.00000000
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## 418
         0.93055556 1.396648e-03 4.556155e-04
                                                  NaN 1.00000000
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## 419
         0.45833333 2.202048e-02 1.104522e-03
                                                  NaN 1.00000000
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## 420
         0.02777778 1.936685e-02 2.001947e-04
                                                  NaN 1.00000000
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## 421
         0.88888889 7.700186e-02 2.913178e-03
                                                  NaN 1.00000000
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## 422
         0.63888889 9.683426e-03 5.108416e-04
                                                  NaN 1.00000000
                                                                     0
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## 423
         0.13888889 9.404097e-03 1.656783e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                                1
## 424
         0.61111111 0.000000e+00 1.311620e-04
                                                  NaN 1.00000000
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## 425
         0.61111111 0.000000e+00 2.968404e-04
                                                  NaN 1.00000000
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## 426
         0.40277778 0.000000e+00 1.725816e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 427
         0.36111111 0.000000e+00 1.829365e-03
                                                  NaN 1.00000000
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## 428
         0.75000000 1.210428e-03 7.593591e-04
                                                  NaN 1.00000000
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## 429
         0.52777778 8.472998e-03 8.905211e-04
                                                  NaN 1.00000000
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## 430
         0.62500000 1.382682e-02 1.725816e-04
                                                  NaN 1.00000000
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## 431
         0.91666667 1.108007e-02 2.692273e-04
                                                  NaN 1.00000000
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## 432
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                                                  NaN 1.00000000
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## 433
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                                                  NaN 1.00000000
                                                                                0
## 434
         0.97222222 0.000000e+00 7.041330e-04
                                                  NaN 1.00000000
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## 435
         0.34722222 2.476723e-02 2.485175e-04
                                                  NaN 1.00000000
                                                                                0
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         0.01388889 2.039106e-02 9.250375e-04
## 436
                                                  NaN 1.00000000
                                                                     0
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## 437
         0.09722222 0.000000e+00 4.349057e-04
                                                  NaN 1.00000000
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## 438
         0.70833333 0.000000e+00 2.561111e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 439
         0.44444444 1.820298e-02 5.315514e-04
                                                  NaN 1.00000000
                                                                     0
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## 440
         0.90277778 1.019553e-02 5.729710e-04
                                                  NaN 1.00000000
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## 441
         0.54166667 1.750466e-02 3.865828e-04
                                                  NaN 1.00000000
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                                                                          0
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## 442
         0.91666667 2.094972e-03 3.175502e-04
                                                  NaN 1.00000000
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## 443
         0.65277778 1.722533e-03 1.035490e-03
                                                  NaN 1.00000000
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## 444
         0.65277778 1.629423e-03 1.049296e-03
                                                  NaN 1.00000000
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## 445
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                                                  NaN 1.00000000
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## 446
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## 447
         0.83333333 1.722533e-03 1.139039e-03
                                                                                0
                                                  NaN 1.00000000
                                                                     1
                                                                          0
## 448
         0.05555556 7.821229e-03 6.903265e-06
                                                  NaN 1.00000000
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## 449
         0.95833333 3.296089e-02 3.175502e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
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```

```
## 450
         0.91666667 5.121043e-04 4.280024e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 451
         0.15277778 9.357542e-03 9.526505e-04
                                                  NaN 1.00000000
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## 452
         0.66666667 7.946927e-02 1.560138e-03
                                                  NaN 1.00000000
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## 453
         0.75000000 2.164804e-02 4.832285e-04
                                                  NaN 1.00000000
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                                                                                1
## 454
         0.59722222 8.147114e-03 4.487122e-04
                                                  NaN 1.00000000
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                                                                          0
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## 455
         0.80555556 0.000000e+00 6.281971e-04
                                                  NaN 1.00000000
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                                                                          0
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## 456
         0.27777778 7.900372e-02 1.663687e-03
                                                  NaN 1.00000000
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                                                                          0
## 457
         0.5555556 1.303538e-03 2.271174e-03
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 458
         0.51388889 8.566108e-03 8.076820e-04
                                                  NaN 1.00000000
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                                                                                0
## 459
         0.63888889 1.536313e-03 4.556155e-04
                                                  NaN 1.00000000
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## 460
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## 461
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## 462
         0.16666667 1.117318e-03 4.970350e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 463
         0.01388889 1.820298e-02 2.830338e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 464
         0.41666667 7.448790e-03 6.074873e-04
                                                  NaN 1.00000000
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                                                                          0
## 465
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                                                  NaN 1.00000000
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## 466
         0.91666667 1.317505e-02 1.725816e-04
                                                  NaN 1.00000000
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## 467
         0.40277778 6.378026e-03 2.347110e-04
                                                  NaN 1.00000000
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## 468
         0.11111111 1.103352e-02 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.09722222 7.262570e-03 3.106469e-04
## 469
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 470
         0.34722222 2.183426e-02 1.518718e-03
                                                  NaN 1.00000000
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## 471
         0.15277778 1.191806e-02 9.595538e-04
                                                  NaN 1.00000000
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## 472
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## 473
         0.30555556 2.453445e-02 2.692273e-04
                                                  NaN 1.00000000
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## 474
         0.69444444 1.540968e-02 9.802636e-04
                                                  NaN 1.00000000
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## 475
         0.43055556 4.329609e-03 4.280024e-04
                                                  NaN 1.00000000
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                                                                                0
## 476
         0.31944444 2.327747e-03 1.007877e-03
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 477
         0.34722222 1.894786e-02 1.781042e-03
                                                  NaN 1.00000000
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                                                                          0
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## 478
         0.00000000 1.070764e-03 3.175502e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 479
         0.59722222 2.346369e-02 4.901318e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 480
         0.34722222 1.717877e-02 6.627134e-04
                                                  NaN 1.00000000
                                                                     0
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## 481
         0.43055556 1.173184e-02 2.070979e-05
                                                  NaN 1.00000000
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## 482
         0.90277778 1.201117e-02 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 483
         0.12500000 9.590317e-03 3.631117e-03
                                                  NaN 1.00000000
                                                                          0
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         0.98611111 1.499069e-02 8.974244e-04
## 484
                                                  NaN 1.00000000
                                                                     0
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         0.41666667 2.411546e-02 4.687317e-03
## 485
                                                  NaN 1.00000000
                                                                                0
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## 486
         0.33333333 2.476723e-02 1.498008e-03
                                                  NaN 1.00000000
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## 487
         0.34722222 6.289572e-02 2.409239e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 488
         0.2222222 1.559590e-02 2.347110e-04
                                                  NaN 1.00000000
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## 489
         0.81944444 9.450652e-03 2.429949e-03
                                                  NaN 1.00000000
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## 490
         0.59722222 2.653631e-03 2.616337e-03
                                                  NaN 1.00000000
                                                                     0
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## 491
         0.31944444 3.635940e-02 1.435879e-03
                                                  NaN 1.00000000
                                                                     0
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## 492
         0.15277778 3.379888e-02 7.869722e-04
                                                  NaN 1.00000000
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## 493
         0.00000000 2.216015e-02 8.145852e-04
                                                  NaN 1.00000000
                                                                     0
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## 494
         0.95833333 1.378026e-02 7.662624e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
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## 495
         0.79166667 3.412477e-02 7.317460e-04
                                                  NaN 1.00000000
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## 496
         0.31944444 1.485102e-02 1.221878e-03
                                                  NaN 1.00000000
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## 497
         0.20833333 4.236499e-03 1.718913e-03
                                                                                0
                                                  NaN 1.00000000
                                                                     0
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## 498
         0.63888889 1.177840e-02 1.912204e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 499
         0.09722222 1.084730e-02 1.214975e-03
                                                  NaN 1.00000000
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```

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0.19444444 1.354749e-02 7.662624e-04
## 500
                                                  NaN 1.00000000
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## 501
         0.23611111 1.014898e-02 2.008850e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 502
         0.93055556 1.159218e-02 4.901318e-04
                                                  NaN 1.00000000
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## 503
         0.01388889 1.191806e-02 4.970350e-04
                                                  NaN 1.00000000
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## 504
         0.54166667 8.240223e-03 7.248428e-04
                                                  NaN 1.00000000
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## 505
         0.65277778 0.000000e+00 1.063103e-03
                                                  NaN 1.00000000
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## 506
         0.30555556 1.862197e-02 4.141959e-04
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## 507
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                                                  NaN 1.00000000
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## 508
         0.16666667 2.001862e-03 3.865828e-04
                                                  NaN 1.00000000
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## 509
         0.84722222 5.633147e-03 1.070006e-03
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## 510
         0.94444444 8.612663e-03 3.175502e-04
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## 511
         0.00000000 2.234637e-03 9.319407e-04
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## 512
         0.2222222 2.700186e-03 2.844145e-03
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## 513
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## 514
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## 515
         0.76388889 7.621043e-02 4.487122e-04
                                                  NaN 1.00000000
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## 516
         0.20833333 2.458101e-02 4.901318e-04
                                                  NaN 1.00000000
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## 517
         0.31944444 9.543762e-03 7.662624e-04
                                                  NaN 1.00000000
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## 518
         0.58333333 3.026071e-03 3.838215e-03
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## 519
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## 520
         0.3333333 1.945996e-02 4.694220e-04
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## 521
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                                                  NaN 1.00000000
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## 522
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## 523
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## 524
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## 525
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## 526
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         0.12500000 1.280261e-02 3.002920e-03
## 527
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## 528
         0.2222222 4.189944e-03 6.834232e-04
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## 529
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## 530
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## 531
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## 532
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## 533
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## 534
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## 535
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         0.52777778 0.000000e+00 2.070979e-05
## 536
                                                  NaN 1.00000000
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## 537
         0.68055556 0.000000e+00 4.487122e-04
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## 538
         0.73611111 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 540
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## 541
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## 542
         0.12500000 2.001862e-03 5.936808e-04
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## 544
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## 545
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## 546
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## 547
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         0.52777778 8.798883e-03 1.863881e-04
                                                  NaN 1.00000000
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## 548
         0.29166667 4.841713e-03 3.934861e-04
                                                  NaN 1.00000000
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                                                                                0
## 549
         0.30555556 2.234637e-03 2.761306e-04
                                                  NaN 1.00000000
                                                                     0
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```

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## 550
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         0.20833333 4.376164e-03 4.694220e-04
## 551
                                                  NaN 1.00000000
                                                                     0
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## 552
         0.37500000 1.629423e-03 4.418089e-04
                                                  NaN 1.00000000
                                                                     0
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## 553
         0.63888889 1.629423e-03 3.106469e-04
                                                  NaN 1.00000000
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## 554
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                                                  NaN 1.00000000
                                                                     0
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## 555
         0.37500000 2.877095e-02 3.796796e-04
                                                  NaN 1.00000000
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## 556
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                                                  NaN 0.82608696
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## 557
         0.84722222 4.329609e-03 0.000000e+00
                                                  NaN 1.00000000
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## 558
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                                                  NaN 1.00000000
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## 559
         0.70833333 1.769088e-03 7.593591e-05
                                                  NaN 1.00000000
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## 560
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                                                  NaN 1.00000000
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## 561
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## 562
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                                                  NaN 1.00000000
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## 563
         0.23611111 4.841713e-03 2.070979e-05
                                                  NaN 1.00000000
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## 564
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## 565
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## 566
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## 567
         0.50000000 3.072626e-03 8.283917e-05
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## 568
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## 569
         0.44444444 3.258845e-03 1.656783e-04
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## 570
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## 571
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## 572
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                                                  NaN 1.00000000
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## 573
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## 574
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                                                  NaN 1.00000000
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## 575
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## 576
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                                                  NaN 1.00000000
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## 577
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                                                  NaN 1.00000000
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## 578
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                                                  NaN 1.00000000
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## 579
         0.45833333 5.493482e-03 2.761306e-04
                                                  NaN 1.00000000
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## 580
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## 581
         1.00000000 9.217877e-03 1.311620e-04
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## 582
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                                                  NaN 1.00000000
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## 583
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## 584
         0.16666667 2.281192e-03 2.070979e-05
                                                  NaN 1.00000000
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## 585
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                                                  NaN 1.00000000
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         0.31944444 3.351955e-03 1.725816e-04
## 586
                                                  NaN 1.00000000
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## 587
         0.36111111 5.679702e-03 2.070979e-05
                                                  NaN 1.00000000
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                                                                     0
         0.76388889 6.843575e-03 8.283917e-05
## 588
                                                  NaN 1.00000000
                                                                     0
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## 589
         0.4444444 5.353818e-03 3.313567e-04
                                                  NaN 1.00000000
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## 590
         0.63888889 5.446927e-03 7.593591e-05
                                                  NaN 1.00000000
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## 591
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                                                  NaN 1.00000000
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## 592
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                                                  NaN 1.00000000
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## 593
         0.58333333 4.422719e-03 1.932914e-04
                                                  NaN 1.00000000
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## 594
         0.50000000 4.562384e-03 0.000000e+00
                                                  NaN 1.00000000
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## 595
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                                                  NaN 1.00000000
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## 596
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                                                  NaN 1.00000000
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## 597
         0.27777778 7.122905e-03 1.173555e-04
                                                                                0
                                                  NaN 1.00000000
                                                                     0
                                                                          1
## 598
         0.93055556 5.214153e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.66666667 9.590317e-03 1.380653e-04
## 599
                                                  NaN 1.00000000
                                                                     0
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```

```
## 600
         0.16666667 5.214153e-03 9.664570e-05
                                                  NaN 1.00000000
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                                                                     0
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## 601
         0.06944444 8.007449e-03 8.974244e-05
                                                  NaN 1.00000000
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                                                                                1
## 602
         0.93055556 5.633147e-03 2.001947e-04
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## 603
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                                                  NaN 1.00000000
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## 604
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## 605
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## 606
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                                                  NaN 1.00000000
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##
  607
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## 608
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## 609
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## 610
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         0.88888889 8.007449e-03 6.903265e-06
## 611
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## 612
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## 613
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## 614
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## 615
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                                                  NaN 1.00000000
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## 616
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                                                  NaN 1.00000000
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## 617
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## 618
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## 619
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                                                  NaN 1.00000000
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## 620
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## 621
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## 622
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                                                  NaN 1.00000000
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## 623
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## 624
         0.38888889 9.543762e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     1
                                                                                0
## 625
         0.44444444 9.543762e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 626
         0.86111111 7.309125e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          1
         0.61111111 6.936685e-03 9.664570e-05
## 627
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.52777778 9.590317e-03 1.311620e-04
## 628
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 629
         0.36111111 7.681564e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
         0.48611111 5.400372e-03 6.903265e-06
## 630
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 631
         0.40277778 6.284916e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 632
         0.86111111 5.819367e-03 6.903265e-06
                                                  NaN 0.34782609
                                                                     0
                                                                          0
                                                                                1
## 633
         0.02777778 6.564246e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                                1
## 634
         0.45833333 6.564246e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 635
         0.88888889 2.700186e-03 0.000000e+00
                                                  NaN 0.08695652
                                                                                1
                                                                     0
                                                                          0
         0.30555556 3.351955e-03 6.903265e-06
## 636
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 637
         0.68055556 7.728119e-03 1.380653e-04
                                                  NaN 0.73913043
                                                                          0
                                                                                1
                                                                     0
         0.34722222 2.560521e-03 6.903265e-06
## 638
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 639
         0.77777778 2.234637e-03 6.903265e-06
                                                  NaN 0.39130435
                                                                     0
                                                                          0
                                                                                1
## 640
         0.12500000 4.143389e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                                1
                                                                          0
## 641
         0.38888889 1.769088e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 642
         0.15277778 1.955307e-03 1.104522e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 643
         0.63888889 2.094972e-03 0.000000e+00
                                                  NaN 0.78260870
                                                                     0
                                                                          0
                                                                                1
## 644
         0.77777778 2.607076e-03 0.000000e+00
                                                  NaN 0.34782609
                                                                                1
                                                                     0
                                                                          0
## 645
         0.70833333 2.420857e-03 6.903265e-06
                                                  NaN 0.52173913
                                                                     0
                                                                          0
                                                                                1
## 646
         0.30555556 2.746741e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.47222222 1.303538e-03 0.000000e+00
## 647
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 648
         0.31944444 2.420857e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 649
         0.65277778 3.724395e-03 6.903265e-06
                                                  NaN 0.69565217
                                                                     0
                                                                                1
```

```
## 650
         0.44444444 2.700186e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 651
         0.69444444 6.750466e-03 1.173555e-04
                                                  NaN 0.52173913
                                                                     0
                                                                          0
                                                                                1
## 652
         0.73611111 6.517691e-03 2.347110e-04
                                                  NaN 0.04347826
                                                                     0
                                                                          0
                                                                                0
         0.55555556 7.402235e-03 6.903265e-06
## 653
                                                  NaN 0.17391304
                                                                     0
                                                                          0
                                                                                0
## 654
         0.01388889 3.817505e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 655
         0.41666667 5.121043e-03 9.664570e-05
                                                  NaN 0.47826087
                                                                     0
                                                                          0
                                                                                0
## 656
         0.45833333 7.169460e-03 9.250375e-04
                                                  NaN 0.34782609
                                                                                0
                                                                     0
                                                                          0
##
  657
         0.0555556 3.910615e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 658
         0.54166667 1.582868e-03 0.000000e+00
                                                  NaN 0.00000000
                                                                     0
                                                                          0
                                                                                0
## 659
         0.54166667 2.467412e-03 0.000000e+00
                                                  NaN 0.00000000
                                                                          0
                                                                                0
                                                                     0
## 660
         0.2222222 2.653631e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.18055556 3.165736e-03 6.903265e-06
                                                  NaN 1.00000000
## 661
                                                                     0
                                                                          0
                                                                                0
## 662
         0.52777778 4.189944e-03 0.000000e+00
                                                  NaN 0.00000000
                                                                                0
                                                                     0
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## 663
         0.86111111 1.089385e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 664
         0.83333333 0.000000e+00 9.664570e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 665
         0.70833333 8.845438e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 666
         0.51388889 6.936685e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.43055556 7.681564e-03 1.242588e-04
## 667
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 668
         0.94444444 1.103352e-02 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 669
         0.04166667 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 670
         0.40277778 6.191806e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 671
         0.68055556 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 672
         0.15277778 0.000000e+00 1.104522e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 673
         0.72222222 7.169460e-03 9.112309e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 674
         0.5555556 7.774674e-03 6.351003e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 675
         0.00000000 2.392924e-02 3.934861e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 676
         0.80555556 6.936685e-03 1.863881e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 677
         0.93055556 4.376164e-03 6.765199e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 678
         0.84722222 1.145251e-02 9.823345e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 679
         0.41666667 4.608939e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 680
         0.79166667 1.303538e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 681
         0.54166667 3.491620e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 682
         0.20833333 7.309125e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.00000000 7.541899e-03 0.000000e+00
## 683
                                                  NaN 1.00000000
                                                                          0
                                                                                0
## 684
         0.61111111 4.329609e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 685
         0.68055556 8.705773e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.66666667 3.538175e-03 0.000000e+00
## 686
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 687
         0.00000000 3.026071e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 688
         0.08333333 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  689
         0.15277778 8.379888e-03 0.000000e+00
##
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 690
         0.68055556 9.310987e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 691
         0.73611111 1.582868e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 692
         0.75000000 1.443203e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 693
         0.75000000 1.769088e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 694
         0.86111111 1.215084e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 695
         0.97222222 1.215084e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 696
         0.97222222 1.955307e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.20833333 2.374302e-03 0.000000e+00
                                                                                0
## 697
                                                  NaN 1.00000000
                                                                     0
                                                                          1
## 698
         0.08333333 5.586592e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 699
         0.19444444 2.500000e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
```

```
## 700
         0.81944444 3.351955e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 701
         0.62500000 8.379888e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 702
         0.15277778 1.769088e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
  703
         0.26388889 1.163873e-03 2.761306e-05
##
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 704
         0.87500000 0.000000e+00 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 705
         0.50000000 5.586592e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  706
         0.83333333 4.422719e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          0
##
  707
         0.20833333 4.655493e-03 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 708
         0.62500000 8.705773e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                1
## 709
         0.62500000 4.748603e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 710
         0.84722222 7.402235e-03 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 711
         0.29166667 5.772812e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  712
         0.34722222 8.054004e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 713
         0.81944444 4.888268e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  714
         0.61111111 4.236499e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          0
##
  715
         0.02777778 2.141527e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  716
         0.79166667 7.262570e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 717
         0.90277778 5.959032e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 718
         0.51388889 2.653631e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.88888889 3.770950e-03 6.903265e-05
##
  719
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 720
         0.15277778 2.560521e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
##
  721
         0.20833333 3.724395e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.84722222 3.584730e-03 1.449686e-04
## 722
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  723
         0.84722222 4.422719e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  724
         0.90277778 3.817505e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
##
  725
         0.36111111 5.027933e-03 1.104522e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 726
         0.58333333 5.353818e-03 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 727
         0.04166667 5.726257e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 728
         0.19444444 6.378026e-03 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 729
         0.45833333 4.236499e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
  730
         0.38888889 4.702048e-03 8.283917e-05
##
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 731
         0.54166667 2.513966e-03 1.173555e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
##
  732
         0.94444444 2.420857e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 733
         0.66666667 2.979516e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  734
         0.69444444 2.746741e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  735
         0.54166667 4.189944e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          1
         0.94444444 8.659218e-03 1.449686e-04
## 736
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  737
         0.86111111 6.284916e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.51388889 3.770950e-03 7.593591e-05
## 738
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  739
         0.48611111 5.865922e-03 1.311620e-04
##
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  740
         0.37500000 1.089385e-02 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          0
## 741
         0.56944444 9.823091e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 742
         0.88888889 6.517691e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 743
         0.81944444 1.061453e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
  744
         0.02777778 5.260708e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          0
## 745
         0.95833333 3.491620e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 746
         0.58333333 3.631285e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
  747
                                                                                0
##
         0.54166667 4.050279e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
##
  748
         0.95833333 4.236499e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 749
         0.1111111 7.821229e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
```

```
## 750
         0.40277778 7.122905e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 751
         0.81944444 1.028864e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
## 752
         0.00000000 7.495345e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  753
         0.75000000 8.798883e-03 1.380653e-05
##
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
## 754
         0.98611111 1.066108e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
## 755
         0.1111111 1.005587e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  756
         0.33333333 6.750466e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
##
                                                                     0
##
  757
         0.65277778 6.284916e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
  758
         0.50000000 1.061453e-02 0.000000e+00
##
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
## 759
         0.59722222 9.823091e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                           0
                                                                                0
                                                                     0
## 760
         0.66666667 1.131285e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
  761
         0.45833333 1.131285e-02 0.000000e+00
##
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
##
  762
         0.15277778 1.191806e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                           0
## 763
         0.30555556 5.400372e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
  764
         0.93055556 1.210428e-03 6.558101e-04
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                           0
##
  765
         0.56944444 3.864060e-03 5.936808e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
##
   766
         0.51388889 4.702048e-03 2.153819e-03
                                                  NaN 1.00000000
                                                                     1
                                                                           0
                                                                                0
##
  767
         0.81944444 3.398510e-03 2.084786e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                           0
##
  768
         0.37500000 3.817505e-03 1.284007e-03
                                                  NaN 1.00000000
                                                                     1
                                                                           0
                                                                                0
##
  769
         0.90277778 2.793296e-03 2.913178e-03
                                                  NaN 1.00000000
                                                                     1
                                                                           0
                                                                                0
  770
         0.94444444 1.163873e-03 1.801752e-03
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                           0
##
  771
         0.41666667 2.746741e-03 3.638020e-03
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
  772
         0.66666667 3.817505e-03 1.615364e-03
##
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
##
  773
         0.19444444 0.000000e+00 6.903265e-05
                                                  NaN 1.00000000
                                                                     1
                                                                           0
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##
  774
         0.16666667 1.354749e-02 7.110362e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           1
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##
   775
         0.52777778 3.305400e-03 2.671563e-03
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
  776
##
         0.2222222 4.608939e-03 6.765199e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
## 777
         0.70833333 8.147114e-03 6.143905e-04
                                                  NaN 0.00000000
                                                                     0
                                                                           0
                                                                                0
  778
         0.23611111 6.610801e-03 2.851048e-03
##
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
##
  779
         0.12500000 2.653631e-03 6.005840e-04
                                                  NaN 1.00000000
                                                                           0
                                                                                0
                                                                     0
  780
                                                                                0
##
         0.36111111 7.355680e-03 6.834232e-04
                                                  NaN 0.60869565
                                                                     0
                                                                           0
  781
         0.40277778 0.000000e+00 1.717532e-02
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
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##
  782
         0.93055556 1.582868e-03 2.670183e-02
                                                  NaN 1.00000000
                                                                     0
                                                                           0
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##
  783
         0.08333333 8.845438e-03 2.809629e-03
                                                  NaN 1.00000000
                                                                     1
                                                                           0
                                                                                0
   784
##
         0.26388889 5.586592e-04 1.021683e-02
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
  785
         0.04166667 2.188082e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                           0
         0.69444444 1.070764e-03 8.283917e-05
## 786
                                                  NaN 1.00000000
                                                                     0
                                                                           0
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##
  787
         0.87500000 1.396648e-03 2.830338e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
## 788
         0.63888889 2.513966e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
  789
         0.54166667 5.121043e-04 1.863881e-04
##
                                                  NaN 1.00000000
                                                                     0
                                                                           0
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##
  790
         0.48611111 2.420857e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
## 791
         0.30555556 2.094972e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
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## 792
         0.27777778 8.519553e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
  793
         0.90277778 6.983240e-03 7.317460e-04
                                                                                0
##
                                                  NaN 1.00000000
                                                                     1
                                                                           0
  794
         0.29166667 5.586592e-04 2.070979e-05
                                                  NaN 1.00000000
                                                                                0
##
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                                                                           1
## 795
         0.37500000 8.426443e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           1
                                                                                0
##
  796
         0.02777778 1.443203e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
  797
         0.2222222 1.117318e-03 1.311620e-04
##
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
##
  798
         0.29166667 4.795158e-03 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
## 799
         0.33333333 4.003724e-03 3.037436e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
```

```
## 800
         0.08333333 8.472998e-03 2.830338e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 801
         0.90277778 1.443203e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 802
         0.97222222 4.189944e-04 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 803
         0.84722222 1.163873e-03 2.070979e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 804
         0.84722222 3.119181e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 805
         0.70833333 3.072626e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 806
         0.52777778 8.379888e-04 2.554208e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 807
         0.20833333 1.629423e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 808
         0.62500000 3.957169e-03 1.311620e-04
                                                  NaN 1.00000000
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## 809
         0.2222222 3.957169e-03 1.104522e-04
                                                  NaN 1.00000000
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## 810
         0.33333333 8.379888e-04 1.518718e-04
                                                  NaN 1.00000000
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## 811
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                                                  NaN 1.00000000
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## 812
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## 813
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## 814
         0.29166667 4.189944e-04 3.693247e-03
                                                  NaN 1.00000000
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## 815
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## 816
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                                                  NaN 1.00000000
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## 817
         0.4444444 6.983240e-04 2.761306e-05
                                                  NaN 1.00000000
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## 818
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                                                  NaN 1.00000000
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         0.04166667 1.536313e-03 1.173555e-04
## 819
                                                  NaN 1.00000000
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## 820
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## 821
         0.51388889 2.420857e-03 2.485175e-04
                                                  NaN 1.00000000
                                                                     0
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         0.86111111 4.096834e-03 5.246481e-04
## 822
                                                  NaN 1.00000000
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## 823
         0.41666667 1.862197e-03 2.347110e-04
                                                  NaN 1.00000000
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## 824
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                                                  NaN 1.00000000
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## 825
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                                                  NaN 1.00000000
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## 826
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## 827
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## 828
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                                                  NaN 1.00000000
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## 829
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                                                  NaN 1.00000000
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## 830
         0.77777778 1.908752e-03 1.104522e-04
                                                  NaN 1.00000000
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## 831
         0.18055556 3.165736e-03 2.347110e-04
                                                  NaN 1.00000000
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## 832
         0.77777778 9.310987e-04 7.593591e-05
                                                  NaN 1.00000000
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## 833
         0.63888889 7.076350e-03 5.729710e-04
                                                  NaN 1.00000000
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## 834
         0.95833333 1.862197e-04 4.210991e-04
                                                  NaN 1.00000000
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                                                                          0
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## 835
         0.05555556 2.188082e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.31944444 6.517691e-04 8.974244e-05
## 836
                                                  NaN 1.00000000
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## 837
         0.12500000 4.562384e-03 3.382600e-04
                                                  NaN 1.00000000
                                                                     0
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## 838
         0.09722222 3.864060e-03 2.209045e-04
                                                  NaN 1.00000000
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                                                                          0
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## 839
         0.93055556 7.448790e-04 7.400300e-03
                                                  NaN 1.00000000
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## 840
         0.66666667 2.979516e-03 3.382600e-04
                                                  NaN 1.00000000
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                                                                                0
## 841
         0.20833333 7.262570e-03 2.554208e-04
                                                  NaN 1.00000000
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## 842
         1.00000000 8.705773e-03 7.593591e-04
                                                  NaN 1.00000000
                                                                     0
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## 843
         0.97222222 9.776536e-04 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 844
         0.54166667 5.074488e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 845
         0.48611111 1.350093e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
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                                                                                0
## 846
         0.33333333 2.374302e-03 3.313567e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 847
         0.90277778 8.379888e-03 2.209045e-04
                                                                                0
                                                  NaN 1.00000000
                                                                     0
                                                                          1
## 848
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                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.66666667 5.726257e-03 6.281971e-04
## 849
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
```

```
## 850
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                                                  NaN 1.00000000
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## 851
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                                                  NaN 1.00000000
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                                                                          0
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## 852
         0.2222222 3.724395e-04 1.932914e-04
                                                  NaN 0.95652174
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                                                                          0
                                                                                0
## 853
         0.77777778 5.167598e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 854
         0.5555556 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 855
         0.20833333 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 856
         0.27777778 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 857
         0.34722222 1.736499e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 858
         0.18055556 2.253259e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 859
         0.44444444 2.420857e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 860
         1.00000000 5.912477e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
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         0.95833333 5.214153e-03 2.070979e-05
## 861
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 862
         0.95833333 2.886406e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
## 863
         0.33333333 8.147114e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 864
         0.97222222 5.446927e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
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## 865
         0.1111111 6.564246e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 866
         0.00000000 5.586592e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.18055556 7.635009e-03 0.000000e+00
## 867
                                                  NaN 1.00000000
                                                                                0
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                                                                          0
## 868
         0.18055556 7.914339e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.80555556 5.400372e-03 1.380653e-05
## 869
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 870
         0.88888889 5.400372e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
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                                                                          0
## 871
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                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.12500000 6.238361e-03 0.000000e+00
## 872
                                                  NaN 1.00000000
                                                                     0
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## 873
         0.93055556 1.047486e-02 0.000000e+00
                                                  NaN 1.00000000
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                                                                                1
## 874
         0.29166667 1.717877e-02 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 875
         0.90277778 5.260708e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 876
         0.16666667 6.052142e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 877
         0.80555556 1.070764e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 878
         0.88888889 1.634078e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 879
         0.27777778 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 880
         0.45833333 2.420857e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 881
         0.61111111 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
##
  882
         0.08333333 5.121043e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 883
         0.95833333 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                1
## 884
         0.08333333 8.147114e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 885
         0.91666667 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.47222222 1.354749e-02 1.380653e-05
## 886
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 887
         0.83333333 2.886406e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 888
         0.48611111 7.448790e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 889
         0.66666667 1.187151e-02 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  890
         0.25000000 0.000000e+00 4.832285e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 891
         0.51388889 6.983240e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 892
         0.65277778 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 893
         0.06944444 3.021415e-02 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 894
         0.62500000 1.675978e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 895
         0.08333333 4.655493e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 896
         0.41666667 6.098696e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 897
         0.34722222 2.197393e-02 1.311620e-04
                                                                                0
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 898
         0.43055556 1.815642e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 899
         0.75000000 1.904097e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
```

```
## 900
         0.12500000 8.472998e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 901
         0.95833333 2.653631e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 902
         0.09722222 2.374302e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 903
         0.04166667 3.212291e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
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## 904
         0.33333333 1.396648e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
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## 905
         0.18055556 1.145251e-02 3.865828e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 906
         0.20833333 5.260708e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 907
         0.91666667 1.191806e-02 4.280024e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 908
         0.77777778 2.979516e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 909
         0.41666667 9.590317e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
         0.29166667 1.345438e-02 7.593591e-05
## 910
                                                  NaN 1.00000000
                                                                     0
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                                                                                1
## 911
         0.38888889 4.515829e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 912
         0.81944444 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          1
## 913
         0.18055556 1.028864e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 914
         0.00000000 1.438547e-02 5.660677e-04
                                                  NaN 1.00000000
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## 915
         0.05555556 5.493482e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 916
         0.70833333 1.149907e-02 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 917
         0.59722222 4.748603e-03 0.000000e+00
                                                  NaN 1.00000000
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## 918
         0.1111111 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 919
         0.34722222 5.121043e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
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## 920
         0.29166667 2.793296e-03 2.761306e-05
                                                  NaN 1.00000000
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                                                                          0
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## 921
         0.90277778 1.070764e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                          0
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## 922
         0.44444444 4.608939e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
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## 923
         0.41666667 2.467412e-03 6.903265e-06
                                                  NaN 1.00000000
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## 924
         0.87500000 1.722533e-03 0.000000e+00
                                                  NaN 1.00000000
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## 925
         0.50000000 2.094972e-03 1.380653e-05
                                                  NaN 1.00000000
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## 926
         0.95833333 5.912477e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                                0
## 927
         0.62500000 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
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## 928
         0.63888889 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
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## 929
         0.51388889 3.677840e-03 6.903265e-06
                                                  NaN 1.00000000
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## 930
         0.47222222 4.716015e-02 0.000000e+00
                                                  NaN 1.00000000
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## 931
         0.68055556 1.918063e-02 0.000000e+00
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## 932
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## 933
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## 934
         1.00000000 6.890130e-03 0.000000e+00
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## 935
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         0.79166667 0.000000e+00 2.761306e-05
## 936
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## 937
         0.40277778 0.000000e+00 0.000000e+00
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## 938
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## 939
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## 940
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## 941
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## 942
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## 943
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## 944
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## 945
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## 946
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## 947
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## 948
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## 949
         0.62500000 6.517691e-04 0.000000e+00
                                                  NaN 1.00000000
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## 950
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## 951
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## 952
         0.00000000 4.050279e-03 0.000000e+00
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## 953
         0.29166667 2.094972e-03 6.903265e-06
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## 954
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## 955
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## 956
         0.77777778 4.283054e-03 6.903265e-06
                                                  NaN 1.00000000
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## 957
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## 958
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## 959
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## 960
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## 961
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## 962
         0.30555556 1.620112e-02 1.380653e-05
                                                  NaN 1.00000000
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## 963
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                                                  NaN 1.00000000
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## 964
         0.66666667 5.353818e-03 8.283917e-05
                                                  NaN 1.00000000
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## 965
         0.1111111 1.634078e-02 0.000000e+00
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## 966
         0.84722222 1.014898e-02 0.000000e+00
                                                  NaN 1.00000000
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                                                                          0
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         0.3333333 3.263501e-02 1.380653e-04
## 967
                                                  NaN 1.00000000
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## 968
         0.09722222 3.510242e-02 1.380653e-05
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## 969
         0.41666667 3.337989e-02 0.000000e+00
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## 970
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## 971
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## 972
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## 973
         0.65277778 1.010242e-02 6.903265e-06
                                                  NaN 1.00000000
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## 974
         0.12500000 1.471136e-02 7.593591e-05
                                                  NaN 1.00000000
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## 975
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## 976
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                                                  NaN 1.00000000
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## 977
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                                                  NaN 1.00000000
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## 978
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## 979
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                                                                     0
## 980
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                                                  NaN 1.00000000
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## 981
         0.2222222 1.359404e-02 9.664570e-05
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## 982
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         0.88888889 1.680633e-02 6.903265e-06
## 983
                                                  NaN 1.00000000
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## 984
         0.09722222 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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                                                                          0
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## 985
         0.40277778 2.756052e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.20833333 4.562384e-03 1.118329e-03
## 986
                                                  NaN 1.00000000
                                                                     0
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## 987
         0.65277778 2.467412e-03 6.420036e-04
                                                  NaN 1.00000000
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## 988
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                                                  NaN 1.00000000
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## 989
         0.97222222 5.074488e-03 3.796796e-04
                                                  NaN 1.00000000
                                                                     0
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## 990
         0.40277778 6.471136e-03 3.451632e-04
                                                  NaN 1.00000000
                                                                     0
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                                                                                1
## 991
         0.68055556 8.379888e-04 4.210991e-04
                                                  NaN 1.00000000
                                                                     0
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## 992
         0.54166667 7.169460e-03 7.317460e-04
                                                  NaN 1.00000000
                                                                     1
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## 993
         0.69444444 5.540037e-03 1.311620e-04
                                                  NaN 1.00000000
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## 994
         0.2222222 4.189944e-03 8.214885e-04
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## 995
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## 996
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## 997
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                                                  NaN 1.00000000
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## 998
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                                                  NaN 1.00000000
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                                                                          0
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## 999
         0.86111111 8.193669e-03 2.989114e-03
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                                                                     0
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```

```
## 1000
         0.16666667 1.112663e-02 3.382600e-04
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## 1001
         0.79166667 1.033520e-02 1.145942e-03
                                                  NaN 1.00000000
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## 1002
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                                                  NaN 1.00000000
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## 1003
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                                                  NaN 1.00000000
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## 1004
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## 1005
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## 1006
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## 1007
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## 1008
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## 1009
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## 1010
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## 1011
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## 1012
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## 1013
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## 1014
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## 1015
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## 1016
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## 1017
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                                                  NaN 1.00000000
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## 1018
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## 1019
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## 1020
         0.08333333 4.981378e-03 1.863881e-04
                                                  NaN 1.00000000
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## 1021
         0.54166667 8.938547e-03 5.660677e-04
                                                  NaN 1.00000000
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## 1022
         0.81944444 7.402235e-03 1.173555e-03
                                                  NaN 1.00000000
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## 1023
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## 1024
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## 1026
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                                                                               0
         0.83333333 2.234637e-03 1.311620e-04
## 1027
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## 1028
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                                                  NaN 1.00000000
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## 1029
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## 1030
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## 1031
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## 1032
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## 1033
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## 1034
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## 1035
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         0.62500000 5.865922e-03 3.658730e-04
## 1036
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## 1037
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## 1038
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## 1039
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## 1040
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## 1041
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## 1042
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         0.48611111 6.703911e-03 2.554208e-04
## 1043
                                                  NaN 1.00000000
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## 1044
         0.47222222 1.089385e-02 1.380653e-04
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## 1045
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## 1046
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## 1047
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## 1048
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## 1049
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```

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## 1050
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## 1051
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## 1052
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         0.95833333 6.890130e-03 4.832285e-04
## 1053
                                                  NaN 1.00000000
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## 1054
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## 1055
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## 1056
         0.37500000 5.027933e-03 7.179395e-04
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## 1057
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## 1058
         0.4444444 6.471136e-03 3.658730e-04
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## 1059
         0.59722222 2.560521e-03 6.834232e-04
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## 1060
         0.44444444 6.424581e-03 5.729710e-04
                                                  NaN 1.00000000
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## 1061
         0.72222222 8.659218e-03 6.005840e-04
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## 1062
         0.31944444 5.493482e-03 2.485175e-04
                                                  NaN 1.00000000
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## 1063
         0.36111111 5.074488e-03 3.244534e-04
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## 1064
         0.08333333 5.586592e-03 2.623241e-04
                                                  NaN 1.00000000
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## 1065
         0.08333333 6.610801e-03 2.209045e-04
                                                  NaN 1.00000000
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## 1066
         0.20833333 7.029795e-03 7.662624e-04
                                                  NaN 1.00000000
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         0.30555556 7.262570e-03 2.243561e-03
## 1067
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## 1068
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         0.72222222 4.795158e-03 4.901318e-04
## 1069
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## 1070
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## 1071
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## 1072
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## 1073
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         0.15277778 5.167598e-03 2.761306e-04
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## 1076
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## 1077
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## 1078
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## 1079
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## 1080
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## 1081
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## 1082
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## 1083
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## 1085
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         0.26388889 9.217877e-03 2.623241e-04
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## 1087
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## 1088
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## 1089
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## 1090
         0.62500000 7.914339e-03 6.627134e-04
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## 1091
         0.27777778 9.031657e-03 2.761306e-04
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         0.66666667 1.047486e-02 2.623241e-04
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## 1093
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## 1094
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## 1097
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## 1098
         0.94444444 9.078212e-03 2.001947e-04
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         0.77777778 9.776536e-03 3.175502e-04
## 1099
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## 1100
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## 1101
         0.02777778 8.426443e-03 2.070979e-04
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## 1102
         0.29166667 9.031657e-03 3.796796e-04
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         0.30555556 7.774674e-03 3.589698e-04
                                                 NaN 0.73913043
## 1103
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## 1104
         0.09722222 5.121043e-04 5.798742e-04
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## 1105
         0.66666667 6.517691e-04 0.000000e+00
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## 1106
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## 1107
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## 1108
         0.18055556 1.908752e-03 2.181432e-03
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## 1109
         0.65277778 2.793296e-03 5.115319e-03
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## 1110
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## 1111
         0.70833333 1.163873e-03 8.283917e-05
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## 1112
         0.62500000 2.793296e-03 1.518718e-04
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## 1113
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         0.15277778 2.327747e-03 4.349057e-04
## 1114
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## 1115
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## 1116
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## 1117
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## 1118
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## 1119
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## 1120
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## 1121
         0.58333333 3.072626e-03 6.903265e-06
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## 1122
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## 1123
         0.63888889 2.374302e-03 0.000000e+00
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## 1124
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## 1125
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## 1126
         0.09722222 2.001862e-03 1.380653e-05
                                                 NaN 1.00000000
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## 1127
         0.43055556 3.491620e-03 2.057173e-03
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## 1128
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## 1129
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## 1130
         0.79166667 3.631285e-03 2.008850e-03
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## 1131
         0.63888889 3.631285e-03 5.308610e-03
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## 1132
         0.75000000 3.631285e-03 1.960527e-03
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## 1133
         0.23611111 2.327747e-03 1.863881e-04
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## 1134
         0.75000000 3.491620e-03 1.277104e-03
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## 1135
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         0.86111111 1.396648e-03 2.485175e-04
## 1136
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## 1137
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## 1138
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## 1139
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## 1140
         0.41666667 3.119181e-03 0.000000e+00
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## 1141
         0.62500000 2.513966e-03 5.108416e-04
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## 1142
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## 1143
         0.09722222 3.724395e-03 6.420036e-04
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## 1144
         0.38888889 2.001862e-03 0.000000e+00
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## 1145
         0.41666667 4.608939e-03 3.451632e-04
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## 1146
         0.86111111 3.305400e-03 1.277104e-03
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## 1147
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## 1148
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         0.8333333 3.864060e-03 1.332330e-03
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0.06944444 3.817505e-03 5.177448e-04
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## 1151
         0.30555556 3.538175e-03 2.091689e-03
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## 1152
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## 1155
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## 1156
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## 1157
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## 1158
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## 1159
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## 1160
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## 1161
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## 1162
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## 1163
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         0.45833333 6.657356e-03 4.280024e-04
## 1164
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## 1165
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## 1166
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## 1167
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## 1168
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## 1169
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## 1170
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## 1171
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## 1172
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## 1173
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## 1174
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## 1177
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## 1178
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## 1179
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## 1186
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## 1187
         0.13888889 2.513966e-03 2.070979e-05
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## 1188
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## 1189
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## 1191
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## 1192
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## 1194
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         0.90277778 8.612663e-03 2.692273e-04
## 1195
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## 1196
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## 1197
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## 1198
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         0.16666667 1.536313e-03 1.380653e-05
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```

```
## 1200
         0.80555556 2.188082e-03 1.477299e-03
                                                  NaN 1.00000000
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## 1201
         0.09722222 2.420857e-03 1.139039e-03
                                                  NaN 1.00000000
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                                                                          0
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## 1202
         0.36111111 4.189944e-03 4.280024e-04
                                                  NaN 1.00000000
                                                                     0
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         0.45833333 7.448790e-04 6.903265e-06
## 1203
                                                  NaN 1.00000000
                                                                          0
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                                                                     0
## 1204
         0.16666667 4.655493e-04 1.007877e-03
                                                  NaN 1.00000000
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                                                                          0
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## 1205
         0.98611111 5.214153e-03 5.315514e-04
                                                  NaN 1.00000000
                                                                     1
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## 1206
         0.98611111 4.143389e-03 7.317460e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
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## 1207
         0.63888889 2.746741e-03 2.975307e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
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## 1208
         0.19444444 1.955307e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                                0
## 1209
         0.79166667 4.608939e-03 1.739623e-03
                                                  NaN 1.00000000
                                                                          0
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## 1210
         0.91666667 3.864060e-03 6.558101e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 1211
         0.06944444 5.121043e-03 2.215948e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
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## 1212
         0.95833333 2.932961e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1213
         0.33333333 2.420857e-03 2.416143e-04
                                                  NaN 1.00000000
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         0.31944444 4.655493e-04 1.380653e-05
## 1214
                                                  NaN 1.00000000
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## 1215
         0.83333333 7.448790e-04 9.595538e-04
                                                  NaN 1.00000000
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## 1216
         0.73611111 2.607076e-03 7.731656e-04
                                                  NaN 1.00000000
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         0.7222222 3.445065e-03 1.380653e-05
## 1217
                                                  NaN 1.00000000
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## 1218
         0.80555556 2.886406e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1219
         0.56944444 3.631285e-03 4.694220e-04
                                                  NaN 1.00000000
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## 1220
         0.20833333 2.932961e-03 2.899371e-04
                                                  NaN 1.00000000
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## 1221
         0.52777778 2.281192e-03 7.110362e-04
                                                  NaN 1.00000000
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## 1222
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## 1223
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                                                  NaN 1.00000000
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## 1224
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## 1225
         0.98611111 2.793296e-03 8.283917e-05
                                                  NaN 1.00000000
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## 1226
         0.19444444 4.189944e-03 1.829365e-03
                                                  NaN 1.00000000
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         0.25000000 1.973929e-02 7.524558e-04
## 1227
                                                  NaN 1.00000000
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## 1228
         0.27777778 3.770950e-03 1.380653e-04
                                                  NaN 1.00000000
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## 1229
         0.48611111 3.584730e-03 2.070979e-05
                                                  NaN 1.00000000
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## 1230
         0.91666667 1.117318e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1231
         0.06944444 1.722533e-03 1.007877e-03
                                                  NaN 1.00000000
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## 1232
         0.84722222 2.467412e-03 2.381626e-03
                                                  NaN 1.00000000
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## 1233
         0.66666667 1.005587e-02 1.808655e-03
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## 1234
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## 1235
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                                                  NaN 1.00000000
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         0.41666667 3.864060e-03 1.242588e-04
## 1236
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## 1237
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## 1238
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## 1239
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## 1240
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                                                  NaN 1.00000000
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## 1241
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## 1242
         0.58333333 3.677840e-03 6.903265e-06
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## 1243
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## 1244
         0.97222222 4.003724e-03 6.903265e-06
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## 1245
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## 1246
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## 1247
         0.79166667 1.117318e-03 6.834232e-04
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## 1248
         0.70833333 1.769088e-03 2.070979e-04
                                                  NaN 1.00000000
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         0.63888889 1.117318e-03 1.214975e-03
                                                 NaN 1.00000000
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```

```
## 1250
         0.01388889 5.586592e-04 3.292857e-03
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## 1251
         0.75000000 2.048417e-03 8.076820e-04
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## 1252
         0.45833333 3.258845e-03 1.242588e-04
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## 1253
         0.70833333 3.072626e-03 2.181432e-03
                                                  NaN 1.00000000
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## 1254
         0.09722222 1.675978e-03 1.380653e-05
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## 1255
         0.97222222 5.772812e-03 6.558101e-04
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## 1256
         0.01388889 1.494413e-02 4.418089e-04
                                                  NaN 1.00000000
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## 1257
         0.50000000 2.886406e-03 3.451632e-05
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## 1258
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## 1259
         0.56944444 3.351955e-03 1.235684e-03
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## 1260
         0.62500000 3.817505e-03 1.284007e-03
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## 1261
         0.62500000 2.327747e-04 1.380653e-05
                                                  NaN 1.00000000
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## 1262
         0.84722222 2.886406e-03 1.449686e-04
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## 1263
         0.41666667 2.886406e-03 3.175502e-04
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## 1264
         0.25000000 2.653631e-03 2.416143e-04
                                                  NaN 1.00000000
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## 1265
         0.18055556 7.588454e-03 1.435879e-03
                                                  NaN 1.00000000
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## 1266
         0.1111111 4.515829e-03 1.007877e-03
                                                  NaN 1.00000000
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## 1267
         0.45833333 3.305400e-03 6.627134e-04
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## 1268
         0.58333333 2.839851e-03 2.070979e-05
                                                  NaN 1.00000000
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## 1269
         0.36111111 4.981378e-03 1.863881e-04
                                                  NaN 1.00000000
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## 1270
         0.19444444 2.793296e-03 1.339233e-03
                                                  NaN 1.00000000
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## 1271
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                                                  NaN 1.00000000
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## 1272
         0.38888889 1.908752e-03 6.903265e-06
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## 1273
         0.55555556 5.167598e-03 1.560138e-03
                                                  NaN 1.00000000
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## 1274
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                                                  NaN 1.00000000
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## 1275
         0.29166667 0.000000e+00 1.725816e-04
                                                  NaN 1.00000000
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## 1276
         0.38888889 2.793296e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                     1
## 1277
         0.29166667 2.281192e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1278
         0.19444444 2.607076e-03 3.865828e-04
                                                  NaN 1.00000000
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## 1279
         0.63888889 2.420857e-03 2.278077e-04
                                                  NaN 1.00000000
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                                                                     1
## 1280
         0.41666667 2.560521e-03 0.000000e+00
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## 1281
         0.76388889 3.398510e-03 1.649880e-03
                                                  NaN 1.00000000
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## 1282
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## 1283
         0.77777778 9.264432e-03 6.005840e-04
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## 1284
         0.87500000 2.527933e-02 1.242588e-04
                                                  NaN 1.00000000
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## 1285
         0.76388889 0.000000e+00 0.000000e+00
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         0.56944444 1.108007e-02 7.593591e-05
## 1286
                                                  NaN 1.00000000
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## 1287
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## 1288
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## 1289
         0.65277778 1.717877e-02 2.070979e-05
                                                  NaN 1.00000000
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## 1290
         0.75000000 1.973929e-02 0.000000e+00
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## 1291
         0.79166667 1.457169e-02 6.903265e-06
                                                  NaN 1.00000000
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## 1292
         0.44444444 2.094972e-02 1.380653e-05
                                                  NaN 1.00000000
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## 1293
         0.25000000 2.518622e-02 1.656783e-04
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## 1294
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         0.43055556 1.745810e-02 2.070979e-05
## 1295
                                                  NaN 1.00000000
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## 1296
         0.13888889 2.039106e-02 1.380653e-05
                                                  NaN 1.00000000
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## 1297
         0.15277778 4.143389e-03 1.449686e-04
                                                  NaN 1.00000000
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## 1298
         0.00000000 8.519553e-03 1.242588e-04
                                                  NaN 1.00000000
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## 1299
         0.69444444 2.984171e-02 5.108416e-04
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```

```
0.18055556 3.938547e-02 4.210991e-04
                                                 NaN 1.00000000
## 1300
                                                                          0
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## 1301
         0.38888889 3.156425e-02 1.104522e-04
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## 1302
         0.05555556 1.801676e-02 1.380653e-05
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## 1303
         0.63888889 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
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## 1304
         0.47222222 7.402235e-03 1.587751e-04
                                                 NaN 1.00000000
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                                                                          0
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## 1305
         0.13888889 7.402235e-03 2.070979e-05
                                                 NaN 1.00000000
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## 1306
         0.40277778 1.289572e-02 3.934861e-04
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## 1307
         0.34722222 1.354749e-02 2.899371e-04
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## 1308
         0.47222222 2.108939e-02 1.242588e-04
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## 1309
         0.63888889 1.662011e-02 6.903265e-05
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## 1310
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## 1311
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## 1312
         0.4444444 8.472998e-03 2.692273e-04
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## 1313
         0.25000000 1.410615e-02 2.692273e-04
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         0.54166667 9.776536e-03 1.380653e-04
## 1314
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## 1315
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## 1316
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         0.38888889 2.621043e-02 1.380653e-05
## 1317
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## 1318
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## 1319
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## 1320
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## 1321
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## 1322
         0.29166667 2.746741e-03 6.558101e-04
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## 1323
         0.58333333 3.212291e-03 5.936808e-04
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## 1324
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## 1325
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## 1326
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## 1327
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## 1328
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## 1329
         0.2222222 3.770950e-03 3.313567e-04
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## 1330
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## 1331
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## 1332
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## 1333
         0.25000000 2.886406e-03 4.970350e-04
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## 1334
         0.56944444 2.886406e-03 4.280024e-04
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## 1335
         0.09722222 2.979516e-03 1.021683e-03
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## 1336
         0.62500000 5.493482e-03 0.000000e+00
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## 1337
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## 1338
         0.40277778 2.327747e-03 1.587751e-04
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## 1339
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## 1340
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## 1342
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## 1343
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## 1344
         0.75000000 3.677840e-03 2.070979e-05
                                                 NaN 1.00000000
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                                                                          0
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## 1345
         0.62500000 7.728119e-03 1.587751e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1346
         0.81944444 2.653631e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1347
         0.80555556 4.608939e-03 8.283917e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1348
         0.09722222 3.584730e-03 9.457472e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.76388889 7.960894e-03 3.175502e-04
                                                 NaN 1.00000000
                                                                               0
```

```
0.72222222 5.260708e-03 2.623241e-04
                                                  NaN 1.00000000
                                                                               0
## 1350
                                                                     0
                                                                          0
## 1351
         0.54166667 6.145251e-03 3.727763e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1352
         0.94444444 7.541899e-03 3.313567e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                                1
## 1353
         0.84722222 6.610801e-03 5.729710e-04
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
## 1354
         0.88888889 5.819367e-03 2.485175e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1355
         0.12500000 5.819367e-03 3.451632e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1356
         0.31944444 6.331471e-03 5.798742e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1357
         0.80555556 1.028864e-02 7.386493e-04
                                                  NaN 0.00000000
                                                                     0
                                                                          0
                                                                               0
## 1358
         0.26388889 9.753259e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1359
         0.31944444 4.096834e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                          0
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## 1360
         0.30555556 6.378026e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 1361
         0.5555556 8.752328e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1362
         0.5555556 1.163873e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 1363
         0.69444444 5.027933e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
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## 1364
         0.59722222 5.493482e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1365
         0.34722222 4.702048e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                               1
                                                                          0
## 1366
         0.47222222 7.076350e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.79166667 3.724395e-03 0.000000e+00
## 1367
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1368
         0.06944444 6.983240e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 1369
         0.62500000 0.0000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 1370
         0.80555556 2.420857e-03 0.000000e+00
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## 1371
         0.50000000 2.281192e-03 0.000000e+00
                                                 NaN 1.00000000
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## 1372
         0.91666667 4.003724e-03 2.153819e-03
                                                  NaN 1.00000000
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## 1373
         0.45833333 3.677840e-03 2.857952e-03
                                                  NaN 1.00000000
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## 1374
         0.36111111 2.094972e-03 5.543321e-03
                                                  NaN 1.00000000
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## 1375
         0.25000000 5.679702e-03 1.373750e-03
                                                  NaN 1.00000000
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## 1376
         0.09722222 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
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## 1377
         0.33333333 5.027933e-03 4.017700e-03
                                                  NaN 0.82608696
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## 1378
         0.06944444 3.351955e-03 1.311620e-04
                                                  NaN 1.00000000
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## 1379
         0.62500000 2.839851e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1380
         0.90277778 0.000000e+00 0.000000e+00
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## 1381
         0.16666667 3.491620e-03 0.000000e+00
                                                 NaN 1.00000000
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## 1382
         0.83333333 2.607076e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1383
         0.69444444 1.433892e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                               0
## 1384
         0.37500000 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
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## 1385
         0.2222222 6.378026e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                          0
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## 1386
         0.20833333 1.163873e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1387
         0.94444444 6.052142e-04 0.000000e+00
                                                  NaN 1.00000000
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## 1388
         0.43055556 3.631285e-03 1.242588e-04
                                                  NaN 1.00000000
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                                                                               0
## 1389
         0.20833333 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
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## 1390
         0.38888889 4.702048e-03 4.832285e-05
                                                  NaN 1.00000000
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## 1391
         0.72222222 5.586592e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1392
         0.43055556 1.229050e-02 2.070979e-05
                                                  NaN 1.00000000
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## 1393
         0.68055556 2.374302e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1394
         0.40277778 1.466480e-02 1.104522e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
         0.04166667 1.671322e-02 6.903265e-06
## 1395
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 1396
         0.90277778 3.026071e-03 0.000000e+00
                                                 NaN 1.00000000
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## 1397
         0.70833333 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
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                                                                               0
## 1398
         0.18055556 6.564246e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1399
         0.87500000 0.000000e+00 6.903265e-06
                                                 NaN 1.00000000
                                                                               0
```

```
## 1400
         0.30555556 5.121043e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 1401
         0.62500000 7.216015e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1402
         0.1111111 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
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                                                                                0
## 1403
         0.73611111 3.770950e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1404
         0.50000000 2.094972e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1405
         0.93055556 2.001862e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
         0.87500000 9.227188e-02 0.000000e+00
## 1406
                                                  NaN 1.00000000
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                                                                               0
## 1407
         0.00000000 3.584730e-03 3.520665e-04
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                                                                                0
## 1408
         0.2222222 2.001862e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1409
         0.91666667 3.910615e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                     1
## 1410
         0.08333333 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 1411
         1.00000000 6.284916e-03 2.761306e-05
                                                  NaN 1.00000000
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                                                                          0
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## 1412
         0.27777778 1.163873e-03 5.522612e-05
                                                  NaN 1.00000000
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## 1413
         0.48611111 6.936685e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1414
         0.19444444 3.864060e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 1415
         0.30555556 2.513966e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                               0
                                                                          0
## 1416
         0.87500000 2.979516e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.50000000 1.014898e-02 1.380653e-05
## 1417
                                                  NaN 1.00000000
                                                                                1
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## 1418
         0.61111111 1.350093e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1419
         0.18055556 2.932961e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1420
         0.77777778 3.584730e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1421
         0.41666667 1.075419e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1422
         0.09722222 2.607076e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
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                                                                                1
## 1423
         0.58333333 1.494413e-02 9.664570e-05
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 1424
         0.41666667 1.275605e-02 8.283917e-05
                                                  NaN 1.00000000
                                                                                0
## 1425
         0.48611111 1.275605e-02 6.903265e-05
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 1426
         0.83333333 3.165736e-03 2.070979e-05
                                                  NaN 1.00000000
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                                                                                0
## 1427
         0.12500000 2.746741e-03 1.380653e-05
                                                  NaN 1.00000000
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                                                                               0
## 1428
         0.43055556 5.772812e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1429
         0.1111111 1.210428e-02 0.000000e+00
                                                  NaN 1.00000000
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                                                                               0
                                                                     1
## 1430
         0.13888889 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
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## 1431
         0.56944444 4.469274e-03 0.000000e+00
                                                                               0
                                                  NaN 1.00000000
                                                                     0
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## 1432
         0.54166667 8.286778e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1433
         0.20833333 3.957169e-03 4.507832e-03
                                                  NaN 1.00000000
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## 1434
         0.93055556 6.331471e-03 1.926011e-03
                                                  NaN 1.00000000
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## 1435
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                                                  NaN 1.00000000
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         0.33333333 1.908752e-03 7.338170e-03
## 1436
                                                  NaN 1.00000000
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## 1437
         0.25000000 6.005587e-03 2.126205e-03
                                                  NaN 1.00000000
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## 1438
         0.34722222 7.774674e-03 1.801752e-03
                                                  NaN 1.00000000
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## 1439
         0.68055556 2.607076e-03 1.400672e-02
                                                  NaN 1.00000000
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## 1440
         0.86111111 4.795158e-03 6.088679e-03
                                                  NaN 1.00000000
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## 1441
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                                                  NaN 1.00000000
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## 1442
         0.06944444 7.216015e-03 5.274094e-03
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## 1443
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## 1444
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                                                  NaN 1.00000000
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## 1445
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## 1446
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                                                  NaN 1.00000000
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                                                                          0
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## 1447
         0.06944444 7.169460e-03 5.847065e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
##
  1448
         0.66666667 7.169460e-03 2.623241e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1449
         0.48611111 7.262570e-03 5.384546e-04
                                                 NaN 1.00000000
                                                                     0
                                                                               0
```

```
## 1450
         0.81944444 4.981378e-03 4.038410e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1451
         0.09722222 5.865922e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1452
         0.61111111 1.545624e-02 1.380653e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.15277778 2.839851e-03 4.355960e-03
## 1453
                                                  NaN 1.00000000
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                                                                     0
## 1454
         0.75000000 2.094972e-03 7.476236e-03
                                                  NaN 1.00000000
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## 1455
         0.34722222 4.515829e-03 1.449686e-04
                                                  NaN 1.00000000
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## 1456
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## 1457
         0.41666667 3.677840e-03 2.568705e-02
                                                  NaN 1.00000000
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## 1458
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                                                  NaN 1.00000000
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## 1459
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## 1460
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                                                  NaN 1.00000000
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## 1461
         0.00000000 6.424581e-03 1.725816e-03
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## 1462
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                                                  NaN 1.00000000
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## 1463
         1.00000000 1.503724e-02 1.504912e-03
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## 1464
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## 1465
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## 1466
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## 1467
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## 1468
         0.00000000 1.163873e-03 3.886538e-03
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         0.70833333 1.797020e-02 5.467386e-03
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## 1470
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## 1471
         0.2222222 6.005587e-03 8.698113e-04
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## 1472
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## 1473
         0.40277778 4.562384e-03 2.692273e-04
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                                                                          0
## 1474
         0.81944444 8.938547e-03 3.727763e-04
                                                  NaN 1.00000000
                                                                                0
## 1475
         0.25000000 2.737430e-02 3.727763e-04
                                                  NaN 1.00000000
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## 1476
         0.01388889 1.262104e-01 7.110362e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                0
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## 1477
         0.08333333 6.378026e-02 1.042393e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1478
         0.72222222 1.005587e-02 6.558101e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1479
         0.15277778 4.283054e-03 1.021683e-03
                                                  NaN 1.00000000
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                                                                          0
## 1480
         0.48611111 3.128492e-02 5.108416e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 1481
         0.51388889 1.000000e+00 3.727763e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1482
         0.06944444 2.872439e-02 8.283917e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 1483
         0.68055556 1.606145e-02 4.418089e-04
                                                  NaN 1.00000000
                                                                          1
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## 1484
         0.04166667 8.333333e-03 7.110362e-04
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                                                                                0
## 1485
         0.70833333 5.679702e-03 8.974244e-04
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                                                                     0
                                                                          0
                                                                                0
         0.27777778 1.801676e-02 3.520665e-04
## 1486
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1487
         0.27777778 1.959963e-02 2.485175e-04
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## 1488
         0.06944444 6.750466e-02 6.558101e-04
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## 1489
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## 1490
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                                                                     0
                                                                               0
                                                                          0
## 1491
         0.77777778 1.163873e-03 8.076820e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1492
         0.25000000 4.459963e-02 2.899371e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.70833333 1.485102e-02 6.696167e-04
## 1493
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1494
         0.70833333 8.286778e-03 4.763253e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1495
         0.72222222 7.076350e-03 1.380653e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1496
         0.43055556 8.985102e-03 1.173555e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1497
         0.31944444 1.815642e-03 1.118329e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
##
  1498
         0.97222222 1.918063e-02 8.214885e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1499
         0.93055556 2.104283e-02 3.796796e-04
                                                 NaN 1.00000000
                                                                          1
```

```
0.27777778 1.350093e-03 1.014780e-03
                                                  NaN 1.00000000
## 1500
                                                                     0
                                                                          0
                                                                                0
## 1501
         1.00000000 4.189944e-03 7.179395e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1502
         0.15277778 1.489758e-02 6.351003e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1503
         0.75000000 3.445065e-03 4.625187e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 1504
         0.73611111 2.048417e-03 1.863881e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1505
         0.83333333 2.746741e-03 2.347110e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1506
         0.77777778 4.096834e-03 7.179395e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1507
         0.41666667 8.938547e-03 1.622267e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1508
         0.38888889 6.843575e-03 5.246481e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1509
         0.20833333 5.446927e-03 6.696167e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1510
         0.02777778 7.216015e-03 2.989114e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1511
         0.81944444 5.167598e-03 2.043366e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1512
         0.73611111 7.774674e-03 1.974334e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1513
         0.62500000 1.117318e-03 1.580848e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.36111111 3.817505e-03 3.727763e-04
## 1514
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1515
         0.63888889 7.355680e-03 1.615364e-03
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          0
## 1516
         0.68055556 5.912477e-03 1.173555e-04
                                                  NaN 1.00000000
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                                                                          0
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## 1517
         0.93055556 4.003724e-03 1.608461e-03
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 1518
         0.52777778 4.608939e-03 5.432869e-03
                                                  NaN 1.00000000
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                                                                          0
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## 1519
         0.66666667 3.398510e-03 1.870785e-03
                                                  NaN 1.00000000
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## 1520
         0.54166667 7.029795e-03 2.830338e-04
                                                  NaN 1.00000000
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                                                                          0
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## 1521
         0.73611111 5.121043e-03 1.656783e-03
                                                  NaN 1.00000000
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## 1522
         0.77777778 6.657356e-03 9.733603e-04
                                                  NaN 1.00000000
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                                                                          0
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## 1523
         0.63888889 7.355680e-03 5.087706e-03
                                                  NaN 1.00000000
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                                                                          0
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## 1524
         0.33333333 5.493482e-03 7.593591e-04
                                                  NaN 1.00000000
                                                                                0
## 1525
         0.04166667 1.443203e-03 3.310115e-02
                                                  NaN 1.00000000
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## 1526
         1.00000000 7.681564e-03 1.946721e-03
                                                  NaN 1.00000000
                                                                                0
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## 1527
         0.73611111 4.329609e-03 4.418089e-04
                                                  NaN 1.00000000
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                                                                          0
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         0.48611111 3.817505e-03 3.147889e-03
## 1528
                                                  NaN 1.00000000
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## 1529
         0.47222222 5.307263e-03 6.406230e-03
                                                  NaN 1.00000000
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## 1530
         0.77777778 3.491620e-03 2.001947e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.2222222 4.748603e-03 5.867775e-04
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## 1531
                                                  NaN 1.00000000
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## 1532
         0.81944444 7.309125e-03 1.553235e-03
                                                  NaN 1.00000000
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## 1533
         0.2222222 2.188082e-03 1.148703e-02
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## 1534
         0.5555556 8.007449e-03 4.473315e-03
                                                  NaN 1.00000000
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## 1535
         0.59722222 3.212291e-03 1.162510e-02
                                                  NaN 1.00000000
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## 1536
         0.13888889 5.586592e-03 8.201078e-03
                                                  NaN 1.00000000
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## 1537
         0.76388889 4.888268e-03 2.642570e-02
                                                  NaN 1.00000000
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## 1538
         0.05555556 3.491620e-03 2.305690e-03
                                                  NaN 1.00000000
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## 1539
         0.65277778 4.143389e-03 2.278077e-03
                                                  NaN 1.00000000
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## 1540
         0.94444444 7.262570e-03 1.387556e-03
                                                  NaN 1.00000000
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## 1541
         0.95833333 1.238361e-02 5.149835e-02
                                                  NaN 1.00000000
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## 1542
         0.69444444 5.167598e-03 8.014690e-03
                                                  NaN 1.00000000
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## 1543
         0.40277778 4.515829e-03 1.926011e-03
                                                  NaN 1.00000000
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## 1544
         0.84722222 2.700186e-03 7.317460e-04
                                                  NaN 1.00000000
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## 1545
         0.94444444 3.538175e-03 1.063103e-03
                                                  NaN 1.00000000
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## 1546
         0.94444444 9.264432e-03 5.384546e-04
                                                  NaN 1.00000000
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## 1547
         0.63888889 6.936685e-03 2.609434e-03
                                                  NaN 1.00000000
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## 1548
         0.51388889 4.096834e-03 3.037436e-04
                                                  NaN 1.00000000
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## 1549
         0.52777778 4.841713e-03 2.885565e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
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```

```
0.81944444 3.119181e-03 8.366757e-03
                                                  NaN 1.00000000
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## 1550
                                                                     0
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## 1551
         0.30555556 8.426443e-03 7.717850e-03
                                                  NaN 1.00000000
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                                                                          0
                                                                                1
## 1552
         0.13888889 4.096834e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                          0
                                                                               1
## 1553
         0.73611111 7.635009e-03 1.662996e-02
                                                  NaN 1.00000000
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                                                                     0
## 1554
         0.54166667 4.981378e-03 5.398353e-03
                                                  NaN 1.00000000
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## 1555
         0.16666667 6.191806e-03 1.311620e-03
                                                  NaN 1.00000000
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## 1556
         0.01388889 6.284916e-03 2.526595e-03
                                                  NaN 1.00000000
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                                                                               0
## 1557
         0.06944444 2.979516e-03 1.215665e-02
                                                  NaN 1.00000000
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## 1558
         0.98611111 4.515829e-03 1.194265e-03
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## 1559
         0.29166667 4.283054e-03 9.733603e-04
                                                  NaN 1.00000000
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                                                                                0
## 1560
         0.06944444 6.703911e-03 1.118329e-03
                                                  NaN 1.00000000
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## 1561
         0.40277778 6.843575e-03 5.232675e-03
                                                  NaN 1.00000000
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## 1562
         0.3333333 6.145251e-03 7.386493e-04
                                                  NaN 1.00000000
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## 1563
         0.51388889 1.154562e-02 7.386493e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1564
         0.27777778 3.631285e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                               0
## 1565
         0.31944444 5.493482e-03 8.905211e-04
                                                  NaN 1.00000000
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## 1566
         0.29166667 5.027933e-03 2.174528e-03
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
         0.20833333 5.726257e-03 8.912115e-03
## 1567
                                                  NaN 1.00000000
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                                                                                0
## 1568
         0.25000000 5.074488e-03 4.335250e-03
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 1569
         0.18055556 6.098696e-03 1.498008e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1570
         0.18055556 6.657356e-03 9.457472e-04
                                                  NaN 1.00000000
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## 1571
         0.15277778 6.284916e-03 1.000973e-03
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 1572
         0.41666667 4.841713e-03 8.629081e-04
                                                  NaN 1.00000000
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                                                                               0
## 1573
         0.75000000 3.724395e-03 4.763253e-04
                                                  NaN 1.00000000
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## 1574
         0.61111111 6.703911e-03 1.118329e-03
                                                  NaN 1.00000000
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## 1575
         0.50000000 3.631285e-03 7.662624e-04
                                                  NaN 1.00000000
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                                                                          1
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## 1576
         0.86111111 7.774674e-03 1.097619e-03
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          1
## 1577
         0.34722222 7.216015e-03 3.748473e-03
                                                  NaN 1.00000000
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                                                                               1
## 1578
         0.11111111 5.121043e-03 4.901318e-04
                                                  NaN 1.00000000
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                                                                          0
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## 1579
         0.61111111 5.586592e-03 9.457472e-04
                                                  NaN 0.82608696
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                                                                               1
## 1580
         0.13888889 3.584730e-03 7.110362e-04
                                                  NaN 1.00000000
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## 1581
         0.30555556 5.027933e-03 2.485175e-04
                                                                               0
                                                  NaN 0.78260870
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## 1582
         0.40277778 6.610801e-03 1.601557e-03
                                                  NaN 0.39130435
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                                                                               0
## 1583
         0.23611111 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
## 1584
         0.98611111 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
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## 1585
         0.37500000 2.560521e-03 7.593591e-04
                                                  NaN 1.00000000
                                                                     1
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                                                                                0
## 1586
         0.86111111 4.981378e-03 2.347110e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1587
         0.04166667 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1588
         0.81944444 0.000000e+00 6.005840e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1589
         0.15277778 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1590
         0.02777778 0.000000e+00 8.560048e-04
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1591
         0.38888889 0.000000e+00 2.623241e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.79166667 0.000000e+00 1.173555e-04
## 1592
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1593
         0.95833333 0.000000e+00 2.761306e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1594
         0.93055556 7.588454e-03 1.622267e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1595
         0.26388889 0.000000e+00 1.083813e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1596
         0.65277778 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1597
         0.59722222 0.000000e+00 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1598
         0.12500000 0.000000e+00 2.140012e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                               1
## 1599
         0.38888889 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                          0
                                                                               1
```

```
## 1600
         0.2222222 0.000000e+00 1.656783e-04
                                                  NaN 1.00000000
                                                                               0
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                                                                          0
## 1601
         0.62500000 0.000000e+00 2.347110e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1602
         0.04166667 0.000000e+00 4.418089e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
         0.9444444 0.000000e+00 8.974244e-05
## 1603
                                                  NaN 1.00000000
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                                                                               0
## 1604
         0.51388889 0.000000e+00 1.794849e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1605
         0.69444444 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1606
         0.41666667 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 1607
         0.36111111 0.000000e+00 1.587751e-04
                                                  NaN 1.00000000
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## 1608
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## 1609
         0.87500000 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
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## 1610
         0.52777778 0.000000e+00 1.725816e-04
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                                                                               1
## 1611
         0.95833333 0.000000e+00 2.416143e-04
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                                                                          0
                                                                               1
## 1612
         0.41666667 0.000000e+00 1.173555e-04
                                                  NaN 1.00000000
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                                                                     0
                                                                          0
## 1613
         0.02777778 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1614
         0.30555556 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1615
         0.7777778 0.000000e+00 1.656783e-04
                                                  NaN 1.00000000
                                                                               0
                                                                          0
## 1616
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                                                  NaN 1.00000000
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## 1617
         0.56944444 0.000000e+00 0.000000e+00
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                                                 NaN 1.00000000
                                                                     0
                                                                          0
## 1618
         0.29166667 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
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                                                                          0
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## 1619
         0.19444444 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
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                                                                          0
                                                                               1
## 1620
         0.97222222 0.000000e+00 6.903265e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1621
         0.20833333 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1622
         0.33333333 0.000000e+00 2.278077e-04
                                                  NaN 1.00000000
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                                                                          0
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## 1623
         0.19444444 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1624
         0.30555556 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                               0
## 1625
         0.04166667 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
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                                                                               0
## 1626
         0.04166667 0.000000e+00 2.140012e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               1
                                                                     0
## 1627
         0.2222222 1.210428e-02 3.058146e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1628
         0.73611111 7.402235e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 1629
         0.61111111 6.983240e-03 5.743516e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1630
         0.84722222 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1631
         0.47222222 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1632
         0.13888889 0.000000e+00 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1633
         0.84722222 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
## 1634
         0.59722222 0.000000e+00 1.932914e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 1635
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                                                                     0
                                                                          0
                                                                               0
         0.41666667 3.165736e-03 1.104522e-04
## 1636
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1637
         0.93055556 1.177840e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1638
         0.68055556 8.379888e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1639
         0.54166667 7.355680e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1640
         0.93055556 9.776536e-04 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                               1
                                                                          0
## 1641
         0.88888889 9.916201e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1642
         0.93055556 8.379888e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.56944444 1.145251e-02 1.380653e-05
## 1643
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1644
         0.58333333 5.307263e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1645
         0.06944444 9.310987e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1646
         0.15277778 1.601490e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1647
         0.69444444 7.495345e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
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##
  1648
         0.80555556 1.289572e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1649
         0.61111111 2.048417e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
```

```
0.34722222 4.236499e-03 1.863881e-04
                                                  NaN 1.00000000
                                                                               1
## 1650
                                                                     0
                                                                          0
## 1651
         0.29166667 9.357542e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1652
         0.12500000 8.612663e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.25000000 9.310987e-04 6.903265e-06
## 1653
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1654
         0.2222222 8.705773e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1655
         0.91666667 1.256983e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1656
         0.79166667 2.653631e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                     0
                                                                          0
## 1657
         0.98611111 2.513966e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1658
         0.87500000 1.084730e-02 1.380653e-05
                                                  NaN 1.00000000
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## 1659
         0.51388889 1.294227e-02 4.141959e-05
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## 1660
         0.00000000 2.094972e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1661
         0.23611111 1.731844e-02 2.761306e-05
                                                  NaN 1.00000000
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## 1662
         0.63888889 4.655493e-03 0.000000e+00
                                                 NaN 1.00000000
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## 1663
         0.79166667 9.823091e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                          0
                                                                               1
## 1664
         0.36111111 1.256983e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1665
         0.62500000 9.590317e-03 0.000000e+00
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## 1666
         0.48611111 1.103352e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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         0.01388889 7.355680e-03 0.000000e+00
## 1667
                                                  NaN 1.00000000
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## 1668
         0.75000000 1.270950e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.26388889 1.256983e-03 0.000000e+00
## 1669
                                                  NaN 1.00000000
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## 1670
         0.43055556 6.936685e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1671
         0.88888889 1.303538e-03 0.000000e+00
                                                 NaN 1.00000000
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## 1672
         0.91666667 2.932961e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1673
         0.5555556 1.005587e-02 6.903265e-06
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## 1674
         0.20833333 9.776536e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                               1
## 1675
         0.94444444 2.374302e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1676
         0.73611111 1.042831e-02 6.903265e-06
                                                  NaN 1.00000000
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## 1677
         0.94444444 7.588454e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1678
         0.20833333 1.256983e-03 2.070979e-05
                                                  NaN 1.00000000
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## 1679
         0.70833333 1.443203e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                          0
                                                                               0
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## 1680
         0.93055556 7.169460e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1681
         0.08333333 7.821229e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1682
         0.01388889 1.033520e-02 6.903265e-06
                                                  NaN 1.00000000
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## 1683
         0.54166667 1.815642e-03 1.794849e-04
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## 1684
         0.37500000 5.726257e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1685
         0.15277778 7.960894e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
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         0.88888889 4.795158e-03 3.451632e-05
## 1686
                                                  NaN 1.00000000
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                                                                                0
## 1687
         0.7777778 4.655493e-03 0.000000e+00
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## 1688
         0.26388889 1.689944e-02 2.761306e-05
                                                  NaN 1.00000000
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                                                                               1
## 1689
         1.00000000 9.124767e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1690
         0.90277778 1.191806e-02 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
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## 1691
         0.95833333 1.256983e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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         0.66666667 1.005587e-02 2.761306e-05
## 1692
                                                  NaN 1.00000000
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## 1693
         0.05555556 1.536313e-03 2.761306e-05
                                                  NaN 1.00000000
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## 1694
         0.86111111 7.402235e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 1695
         0.15277778 4.562384e-03 6.903265e-05
                                                  NaN 1.00000000
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                                                                          0
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## 1696
         0.1111111 1.443203e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
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## 1697
         0.97222222 6.378026e-03 2.761306e-05
                                                  NaN 1.00000000
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                                                                               0
## 1698
         0.7777778 3.305400e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1699
         0.23611111 3.957169e-03 8.974244e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          1
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```

```
## 1700
         0.62500000 7.122905e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                          1
                                                                               0
## 1701
         0.18055556 1.154562e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1702
         0.95833333 3.631285e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.61111111 3.212291e-03 6.903265e-06
## 1703
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 1704
         0.20833333 2.141527e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1705
         0.01388889 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1706
         1.00000000 5.121043e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1707
         0.18055556 7.821229e-03 1.380653e-05
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 1708
         0.7777778 1.066108e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 1709
         0.61111111 5.214153e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1710
         0.50000000 9.823091e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
         0.23611111 2.793296e-03 1.380653e-05
## 1711
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1712
         0.70833333 1.103352e-02 6.903265e-06
                                                  NaN 1.00000000
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                                                                          1
## 1713
         0.2222222 4.003724e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.63888889 1.056797e-02 6.903265e-06
## 1714
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1715
         0.68055556 7.076350e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                               0
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## 1716
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                                                  NaN 1.00000000
                                                                     0
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         0.75000000 3.305400e-03 6.903265e-06
## 1717
                                                  NaN 1.00000000
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                                                                          0
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## 1718
         0.18055556 9.683426e-03 2.070979e-05
                                                  NaN 1.00000000
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## 1719
         0.38888889 1.121974e-02 2.070979e-05
                                                  NaN 1.00000000
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                                                                               0
## 1720
         0.5555556 8.286778e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1721
         0.08333333 2.513966e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1722
         0.84722222 8.379888e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1723
         0.62500000 1.103352e-02 4.832285e-05
                                                  NaN 1.00000000
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                                                                               0
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## 1724
         0.90277778 9.776536e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
## 1725
         0.88888889 5.586592e-03 2.070979e-05
                                                  NaN 1.00000000
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## 1726
         0.94444444 8.845438e-04 8.283917e-05
                                                  NaN 1.00000000
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                                                                                0
                                                                          1
## 1727
         0.84722222 1.908752e-03 3.451632e-05
                                                  NaN 1.00000000
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                                                                               1
## 1728
         0.3333333 3.026071e-03 1.380653e-05
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## 1729
         0.43055556 3.724395e-03 1.725816e-04
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## 1730
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                                                  NaN 1.00000000
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## 1731
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## 1732
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                                                  NaN 1.00000000
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                                                                               0
## 1733
         0.90277778 3.957169e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                                0
## 1734
         0.76388889 6.983240e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1735
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                                                  NaN 1.00000000
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                                                                          0
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## 1736
         0.98611111 8.845438e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
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                                                                               0
## 1737
         0.41666667 7.914339e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
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                                                                     1
## 1738
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                                                  NaN 1.00000000
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                                                                     1
## 1739
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                                                  NaN 1.00000000
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                                                                               0
## 1740
         0.86111111 1.629423e-02 2.070979e-05
                                                  NaN 1.00000000
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                                                                               0
## 1741
         0.50000000 8.566108e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1742
         0.15277778 1.084730e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
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                                                                               1
## 1743
         0.41666667 5.493482e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 1744
         0.69444444 2.234637e-03 1.380653e-05
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
         0.3333333 5.307263e-03 1.380653e-05
## 1745
                                                  NaN 1.00000000
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## 1746
         0.00000000 1.117318e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1747
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                                                 NaN 1.00000000
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                                                                               0
## 1748
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                                                  NaN 1.00000000
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                                                                          0
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## 1749
         0.00000000 6.983240e-03 3.451632e-05
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                                                                     0
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```

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## 1750
         0.83333333 1.703911e-02 2.070979e-05
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## 1751
         0.27777778 6.378026e-03 3.451632e-05
                                                  NaN 1.00000000
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                                                                                0
## 1752
         0.16666667 9.776536e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.1111111 8.286778e-03 6.903265e-06
## 1753
                                                  NaN 1.00000000
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## 1754
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## 1755
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                                                                          1
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         0.48611111 1.070764e-02 1.380653e-05
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## 1756
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## 1757
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## 1758
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## 1759
         0.62500000 0.000000e+00 0.000000e+00
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## 1760
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         0.77777778 1.210428e-02 2.070979e-05
## 1761
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## 1762
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## 1763
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                                                                                0
## 1764
         0.5555556 2.932961e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1765
         0.83333333 1.303538e-03 6.903265e-06
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## 1766
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                                                  NaN 1.00000000
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         0.13888889 2.048417e-03 2.070979e-05
## 1767
                                                  NaN 1.00000000
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## 1768
         0.19444444 2.839851e-03 2.761306e-05
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## 1769
         0.09722222 1.159218e-02 2.070979e-05
                                                  NaN 1.00000000
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                                                                          0
                                                                                1
## 1770
         0.65277778 2.886406e-03 4.832285e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1771
         0.68055556 8.845438e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  1772
         0.08333333 5.353818e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  1773
         0.37500000 6.703911e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                                0
##
                                                                          0
## 1774
         0.84722222 1.862197e-03 1.380653e-05
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## 1775
         0.25000000 3.724395e-03 1.380653e-05
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## 1776
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## 1777
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                                                  NaN 1.00000000
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                                                                                0
## 1778
         0.76388889 4.050279e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1779
         0.13888889 8.845438e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     1
## 1780
         0.75000000 1.536313e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1781
         0.69444444 1.117318e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 1782
         0.75000000 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1783
         0.62500000 2.932961e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                1
## 1784
         0.65277778 3.957169e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1785
         0.04166667 1.908752e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1786
         0.79166667 2.839851e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1787
         0.50000000 1.163873e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 1788
         0.61111111 3.445065e-03 1.587751e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 1789
         0.61111111 8.845438e-04 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  1790
         0.27777778 2.560521e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          0
## 1791
         0.12500000 2.327747e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1792
         0.15277778 1.070764e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1793
         0.80555556 2.188082e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1794
         0.70833333 2.653631e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 1795
         0.54166667 9.543762e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1796
         0.98611111 2.234637e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1797
         0.19444444 1.582868e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
##
  1798
         0.20833333 2.327747e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.65277778 3.957169e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
```

```
## 1800
         0.08333333 3.305400e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1801
         0.0555556 3.398510e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1802
         0.06944444 3.584730e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1803
         0.2222222 4.888268e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
## 1804
         0.4444444 7.402235e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1805
         0.62500000 3.351955e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1806
         0.20833333 3.677840e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1807
         0.18055556 1.303538e-03 2.070979e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1808
         0.56944444 8.379888e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1809
         0.94444444 2.932961e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                                0
## 1810
         0.93055556 3.351955e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1811
         0.29166667 8.845438e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1812
         0.47222222 3.538175e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 1813
         0.00000000 7.402235e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1814
         0.70833333 3.351955e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1815
         0.40277778 4.003724e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                               0
                                                                          0
## 1816
         0.08333333 1.075419e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
         0.51388889 1.010242e-02 2.761306e-05
## 1817
                                                                                1
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 1818
         0.12500000 1.862197e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 1819
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                                                  NaN 0.08695652
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                                                                          0
                                                                               0
## 1820
         0.47222222 1.722533e-02 1.380653e-05
                                                  NaN 0.21739130
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                                                                          0
                                                                               0
## 1821
         0.37500000 1.191806e-02 0.000000e+00
                                                  NaN 1.00000000
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## 1822
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                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1823
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                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1824
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                                                  NaN 1.00000000
                                                                          0
                                                                                1
## 1825
         0.52777778 5.772812e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
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## 1826
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                                                  NaN 1.00000000
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## 1827
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                                                  NaN 1.00000000
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## 1828
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## 1829
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## 1830
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## 1831
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## 1832
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                                                  NaN 1.00000000
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                                                                          0
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## 1833
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                                                  NaN 1.00000000
                                                                     1
                                                                                0
## 1834
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                                                  NaN 1.00000000
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                                                                          0
                                                                                1
## 1835
         0.90277778 1.950652e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 1836
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                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1837
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                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1838
         0.81944444 5.260708e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1839
         0.76388889 2.607076e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1840
         0.25000000 8.845438e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1841
         0.56944444 2.793296e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1842
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                                                                     1
                                                                          0
                                                                               0
## 1843
         0.79166667 8.705773e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1844
         0.34722222 2.746741e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1845
         0.75000000 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1846
         0.2222222 8.705773e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1847
         0.62500000 3.119181e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
##
  1848
         0.88888889 5.679702e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1849
         0.80555556 1.038175e-02 6.903265e-06
                                                 NaN 1.00000000
                                                                               0
```

## 1851 1.00000000 2.420857e-03 6.903265e-06 NaN 1.00000000 0 1  ## X1.1 X0.10 X0.11 X0.12 X0.13 X0.14 X0.15 X0.16 X0.17 X0.18 X1.2  ## 1	0
## 1       0       1       0       0       0       0       0       0       0       0       1       0         ## 2       0       0       1       0       0       0       0       0       0       0       0       0       1       0         ## 3       0       0       1       0	
## 2       0       0       1       0       0       0       0       0       0       0       0       0       0       1         ## 3       0       0       1       0	
## 3	
## 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 1 0 ## 6 1 0 0 0 0 0 0 0 0 0 1 ## 7 0 1 0 0 0 0 0 0 0 0 0 1 ## 8 0 0 1 0 0 0 0 0 0 0 1	
## 6 1 0 0 0 0 0 0 0 0 0 1 ## 7 0 1 0 0 0 0 0 0 0 0 1 ## 8 0 0 1 0 0 0 0 0 0 1	
## 7 0 1 0 0 0 0 0 0 0 0 1 ## 8 0 0 1 0 0 0 0 0 0 0 1	
## 8 0 0 1 0 0 0 0 0 0 1	
## 9 0 0 1 0 1 0 0 0 0 0	
## 10 0 0 1 0 1 0 0 0 0 0	
## 11 0 0 0 0 0 0 0 1 0 0	
## 12 0 0 0 0 0 0 1 0 0 0	
## 13 1 0 0 0 0 0 0 0 1 0	
## 14 0 0 0 0 0 0 1 0 0 0	
## 15 0 0 0 0 0 0 0 1 0 0	
## 16 1 0 0 0 0 0 0 0 0 1 0	
## 17 1 0 0 0 0 0 0 0 0 1 0	
## 18 0 1 0 0 0 0 0 0 0 0 1	
## 19 0 0 1 0 0 0 0 0 0 1	
## 20 0 0 0 0 0 0 0 1 0 0	
## 21 0 0 0 0 0 0 1 0 0 0	
## 22	
## 23 1 0 0 0 0 0 0 0 0 1	
## 24	
## 25 0 1 0 0 1 0 0 0 0 0	
## 26 0 0 1 0 0 0 0 0 0 1	
## 27	
## 28	
## 29	
## 31 0 0 0 0 0 1 0 0 0 0	
## 32 0 0 0 0 0 0 1 0 0 0	
## 33 1 0 0 0 0 0 0 0 1 0	
## 34 0 1 0 0 0 0 0 0 1 0	
## 35 0 0 1 0 0 1 0 0 0 0	
## 36 0 0 0 0 0 0 1 0 0 0	
## 37 0 0 0 0 0 0 0 1 0 0	
## 38 0 0 0 0 0 0 0 1 0 0 0	
## 39 1 0 0 0 0 0 0 0 1 0 0	
## 40 0 1 0 0 0 0 0 0 0 1	
## 41 0 0 1 0 0 1 0 0 0	
## 42 0 0 1 0 0 0 0 0 0 1	
## 43 0 0 0 0 0 0 0 1 0 0 0	
## 44 0 0 0 0 0 0 1 0 0 0	
## 45 0 0 0 0 0 0 0 1 0 0	
## 46 0 0 0 0 0 0 0 0 1 0	
## 47 1 0 0 0 0 0 0 0 0 1 0	

## 48	1	0	0	0	0	0	0	0	0	1	0	
## 49	0	1	0	0	0	0	0	0	1	0	0	
## 50	0	1	0	0	0	0	0	0	0	1	0	
## 51	0	0	1	0	1	0	0	0	0	0	0	
## 52	0	0	1	0	_ 1	0	0	0	0	0	0	
## 53	0	0	0	0	0	0	0	1	0	0	0	
## 54	_											
	0	0	0	0	0	0	0	0	0	1	0	
## 55	0	0	0	0	0	0	0	0	0	1	0	
## 56	1	0	0	0	0	0	0	0	0	1	0	
## 57	0	1	0	0	0	0	0	0	1	0	0	
## 58	0	1	0	0	1	0	0	0	0	0	0	
## 59	0	0	1	0	1	0	0	0	0	0	0	
## 60	0	0	1	0	1	0	0	0	0	0	0	
## 61	0	0	0	0	0	1	0	0	0	0	0	
## 62	0	0	0	0	0	0	0	1	0	0	0	
## 63	0	0	0	0	0	0	0	1	0	0	0	
## 64	0	0	0	0	0	0	0	0	0	1	0	
## 65	0	0	0	0	0	0	0	0	0	1	0	
## 66	1	0	0	0	0	0	0	0	1	0	0	
## 67	1		0	0	0	0	0		0	1		
		0						0			0	
## 68	0	1	0	0	0	0	0	0	0	1	0	
## 69	0	1	0	0	0	0	0	0	0	1	0	
## 70	0	0	1	0	0	0	0	0	0	0	1	
## 71	0	0	1	0	1	0	0	0	0	0	0	
## 72	0	0	1	0	1	0	0	0	0	0	0	
## 73	0	0	0	0	0	0	0	1	0	0	0	
## 74	0	0	0	0	0	0	1	0	0	0	0	
## 75	0	0	0	0	0	0	0	0	0	1	0	
## 76	1	0	0	0	0	0	0	1	0	0	0	
## 77	1	0	0	0	0	0	0	1	0	0	0	
## 78	0	1	0	0	0	0	ø	0	1	0	0	
## 79	0	1	0	0	1	0	0	0	0	0	0	
## 80	0			0	0	1	0					
	_	0	1					0	0	0	0	
## 81	0	0	1	0	1	0	0	0	0	0	0	
## 82	0	0	0	0	0	0	0	1	0	0	0	
## 83	0	0	0	0	0	0	0	1	0	0	0	
## 84	0	0	0	0	0	0	0	0	0	1	0	
## 85	0	0	0	0	0	0	1	0	0	0	0	
## 86	1	0	0	0	0	0	0	0	1	0	0	
## 87	1	0	0	0	0	0	0	0	0	1	0	
## 88	0	1	0	0	0	0	0	0	0	0	1	
## 89	0	0	1	0	1	0	0	0	0	0	0	
## 90	0	0	0	1	0	1	0	0	0	0	0	
## 91	0	0	0	0	0	_ 1	0	0	0	0	0	
## 92	0	0	0	0	0	0	1	0	0	0	0	
## 93	0	0	0	0	0	0	1	0	0	0	0	
## 94	0						0					
		0	0	0	0	0		0	0	1	0	
## 95	0	1	0	0	0	0	0	0	0	0	1	
## 96	0	1	0	0	1	0	0	0	0	0	0	
## 97	0	0	1	0	1	0	0	0	0	0	0	

## 98	0	0	0	0	0	0	1	0	0	0	0	
## 99	0	0	0	0	0	0	1	0	0	0	0	
## 100	0	0	0	0	0	0	0	0	1	0	0	
## 101	0	0	0	0	0	0	0	0	1	0	0	
## 102	1	0	0	0	0	0	0	0	0	1	0	
## 103	1	0	0	0	0	0	0	0	1	0	0	
## 104	0	1	0	0	0	0	0	0	0	0	1	
## 105	0	1	0	0	0	0	0	0	0	0	1	
## 106	0	0	1	0	0	0	0	0	0	0	1	
## 107	0	0	1	0	0	1	0	0	0	0	0	
## 108	0	0	0	0	0	0	0	1	0	0	0	
## 109	0	0	0	0	0	0	0	1	0	0	0	
## 110	0	0	0	0	0	0	1	0	0	0	0	
## 111	0			0	ø		0	1		0		
		0	0			0			0		0	
## 112	1	0	0	0	0	0	0	0	0	1	0	
## 113	0	1	0	0	0	0	0	0	0	1	0	
## 114	0	1	0	0	0	0	0	0	0	0	1	
## 115	0	0	1	0	0	0	0	0	0	0	1	
## 116	0	0	1	0	0	0	0	0	0	1	0	
## 117	0	0	0	0	0	0	0	1	0	0	0	
## 118	0	0	0	0	0	0	1	0	0	0	0	
## 119	0	0	0	0	0	0	0	1	0	0	0	
## 120	1	0	0	0	0	0	0	0	1	0	0	
## 121	1	0	0	0	0	0	0	0	0	0	1	
## 122	0	0	1	0	0	0	0	0	0	0	1	
## 123	0	0	1	0	0	1	0	0	0	0	0	
## 124	0	0	0	0	0	0	0	1	0	0	0	
## 125				0	0	0	0	0		0		
	0	0	0						1		0	
## 126	0	0	0	0	0	0	0	0	1	0	0	
## 127	1	0	0	0	0	0	0	0	1	0	0	
## 128	0	1	0	0	0	0	0	0	0	0	1	
## 129	0	1	0	0	0	0	0	0	0	0	1	
## 130	0	0	1	0	0	1	0	0	0	0	0	
## 131	0	0	1	0	0	0	0	0	0	1	0	
## 132	0	0	0	0	0	0	0	1	0	0	0	
## 133	1	0	0	0	0	0	0	0	1	0	0	
## 134	1	0	0	0	0	0	0	0	0	1	0	
## 135	0	1	0	0	0	0	0	0	0	1	0	
## 136	0	1	0	0	0	0	0	0	0	0	1	
## 137	0	1	0	0	0	0	0	0	0	1	0	
## 138	0	0	1	0	0	1	0	0	0	0	0	
## 138				1	0	1				0	0	
	0	0	0				0	0	0			
## 140	0	0	0	1	1	0	0	0	0	0	0	
## 141	0	0	0	1	0	1	0	0	0	0	0	
## 142	0	0	0	0	0	0	1	0	0	0	0	
## 143	0	0	0	0	0	1	0	0	0	0	0	
## 144	0	0	0	0	0	0	0	1	0	0	0	
## 145	0	0	ø	ø	ø	0	0	1	0	0	0	
## 146	0	0	0	0	0	0	0	0	1	0	0	
## 147	0	0	0	0	0	0	0	0	1	0	0	

## 148	0	0	0	0	0	0	0	0	1	0	0	
## 149	0	0	0	0	0	0	0	1	0	0	0	
## 150	1	0	0	0	0	0	0	0	0	0	1	
## 151	0	1	0	0	0	0	0	0	1	0	0	
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## 153	0	0	0	1	1	0	0	0	0	0	0	
## 154	0	0	0	0	0	1	0	0	0	0	0	
## 155				ø		0						
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## 156	0	0	0	0	0	0	0	0	1	0	0	
## 157	0	0	0	0	0	0	0	0	0	1	0	
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## 164	0	1	0	0	0	0	0	0	0	0	1	
## 165	0	1	0	0	0	0	0	0	0	1	0	
## 166	0	0	1	0	0	0	0	0	0	0	1	
## 167	0	0	1	0	1	0	0	0	0	0	0	
## 168	0	0	1	0	0	0	0	0	0	0	1	
## 169	0	0	0	1	1	0	0	0	0	0	0	
## 170	0	0	0	1	0	0	0	0	0	0	1	
## 171	0	0	0	0	0	0	1	0	0	0	0	
## 172	0	0	0	0	0	1	0	0	0	0	0	
## 173	0	0	0	0	0	0	1	0	0	0	0	
## 174	0	0	0	0	0	0	0	1	0	0	0	
## 175	0	0	0	0	ø	ø	1	0	ø	0	0	
## 176	0	0	0	0	0	0	0	1	0	0	0	
## 177	0	0	0	0	0	0	0	0	1	0	0	
## 178	1	0	0	0	0	0	0	1	0	0	0	
## 179	1	0	0	0	0	0	0	0	1	0	0	
## 180	0	1	0	0	0	0	0	0	1	0	0	
## 181	0	1	0	0	0	0	0	0	0	1	0	
## 182	0	0	1	0	0	0	0	0	0	1	0	
## 183	0	0	1	0	1	0	0	0	0	0	0	
## 184	0	0	1	0	0	0	0	0	0	0	1	
## 185	0	0	0	1	0	1	0	0	0	0	0	
## 186		_	0		0	0	1			0		
	0	0		1				0	0		0	
## 187	0	0	0	0	0	1	0	0	0	0	0	
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## 190	0	0	0	0	0	0	1	0	0	0	0	
## 191	0		0	0	0	0	1	0		0	0	
		0							0			
## 192	0	0	0	0	0	0	0	0	1	0	0	
## 193	0	0	0	0	0	0	0	0	1	0	0	
## 194	0	0	0	0	0	0	1	0	0	0	0	
## 195	1	0	0	0	0	0	0	1	0	0	0	
## 196	1	0	0	0	0	0	0	0	0		0	
										1		
## 197	1	0	0	0	0	0	0	1	0	0	0	

## 1		0	1	0	0	0	0	0	0	0	0	1
## 1	.99	0	1	0	0	0	0	0	0	0	1	0
## 2	200	0	1	0	0	1	0	0	0	0	0	0
## 2	201	0	1	0	0	0	0	0	0	0	0	1
## 2	202	0	0	1	0	0	0	0	0	0	0	1
## 2		0	0	1	0	1	0	0	0	0	0	0
## 2		0	0	0	1	0	0	1	0	0	0	0
## 2		0		0	0		0	0	1			
		_	0			0				0	0	0
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## 2		0	0	0	0	0	0	0	1	0	0	0
## 2		0	0	0	0	0	0	0	0	1	0	0
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## 2	211	1	0	0	0	0	0	0	0	1	0	0
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## 2		0	1	0	0	0	0	0	0	1	0	0
		_										
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## 2		0	1	0	0	0	0	0	0	0	1	0
## 2		0	1	0	0	0	0	0			1	0
								-	0	0		
## 2		0	1	0	0	0	0	0	0	0	1	0
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## 2		0	0	1	0	0	0	0	0	0	0	1
## 2	237	0	0	1	0	0	0	0	0	0	0	1
## 2	238	0	0	1	0	1	0	0	0	0	0	0
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## 2		0	0	1	0	0	0	0	0	0	1	0
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		_	_	_	_	_	_	_	_	_	_	_
##	248	0	0	1	0	1	0	0	0	0	0	0
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		0		0	0		0		0			
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	283	0	0	0	0	0	0	1	0	0	0	0
	284	0	0	0	0	0	0	1	0	0	0	0
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	288	0	0	0	0	0	0	0	1	0	0	0
	289						0					
		0	0	0	0	0		1	0	0	0	0
	290	0	0	0	0	0	0	1	0	0	0	0
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	294	0	0	0	0	0	0	1	0	0	0	0
	295	0	0	0	0	0	0	1	0	0	0	0
	296	0	0	0	0	0	0	1	0	0	0	0
##	297	0	0	0	0	0	0	1	0	0	0	0

##	298	0	0	0	0	0	0	0	0	1	0	0
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	307	0	0	0	0	0	0	0	1	0	0	0
		-										
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	317	0	0	0	0	0	0	0	0	1	0	0
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	320	1	0	0	0	0	0	0	1	0	0	0
	321	1	0	0	0	0	0	0	1	0	0	0
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##	346	0	0	0	0	0	0	0	1	0	0	0
	347	0	0	0	0	0	0	1	0	0	0	0
11 11	J 17	-	J	-	J	J	-	-	J	-	J	J

## 348	0	1	0	0	0	0	0	0	1	0	0	
## 349	0	0	0	0	0	1	0	0	0	0	0	
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## 351	0	0	0	1	0	0	1	0	0	0	0	
## 353	0	0	0	1	0	1	0	0	0	0	0	
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## 361				0						1		
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## 364		0	0	0	0	0	0	1 1	0	0	0	
	1											
## 365	1	0	0	0	0 0	0	0	0	0	1 1	0	
## 366 ## 367	0 0	1	0 0	0 0	0	0 0	0 0	0 0	0 0	1	0 0	
## 368		1										
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## 375	0	0	0	0	0	1	0	0	0	0	0	
## 376	0	0	0	0	0	0	1	0	0	0	0	
## 377 ## 378	0	0	0	0	0	0	0	1	0	0	0	
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## 379	0	0	0	0	0	0	1	0	0	0	0	
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## 381	0	0	0	0	0	0	0	0	1	0	0	
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## 385	1	0	0	0	0	0	0	0	0	1	0	
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##		0	0	0	1	0	0	1	0	0	0	0
##						1	0	0				
		0	0	0	0				0	0	0	0
##	44/	0	0	0	0	0	0	0	1	0	0	0

##	448	0	0	0	0	0	1	0	0	0	0	0
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	457	_ 1	0	0	0	0	0	0	0	0	1	0
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	467	0	0	0	0	0	0	0	1	0	0	0
##	468	0	0	0	0	0	0	1	0	0	0	0
##	469	0	0	0	0	0	0	1	0	0	0	0
	470	0	0	0	0	0	0	0	1	0	0	0
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##	473	1	0	0	0	0	0	0	0	1	0	0
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	475	0	1	0	0	0	0	0	0	0	1	0
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	480	0	1	0	0	0	0	0	0	0	0	1
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##	482	0	0	1	0	0	1	0	0	0	0	0
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	484	0	0	1	0	0	1	0	0	0	0	0
	485	0	0	0	1	1	0	0	0	0	0	0
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##	487	0	0	0	0	0	1	0	0	0	0	0
	488	0	0	0	0	0	1	0	0	0	0	0
	489	0	0	0	0	0	0	0	0	1	0	0
	490	0	0	0	0	0	0	0	1	0	0	0
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	494	0	1	0	0	1	0	0	0	0	0	0
	495	0	1	0	0	1	0	0	0	0	0	0
##	496	0	0	1	0	0	0	0	0	0	0	1
	497	0	0	1	0	0	0	0	0	0	0	1
11 11	127	5	J	_	J	J	J	J	J	J	J	_

##	498	0	0	1	0	1	0	0	0	0	0	0
##	499	0	0	1	0	0	0	0	0	0	0	1
	500	0	0	1	0	0	0	0	0	0	0	1
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	504	0	0	0	1	0	1	0	0	0	0	0
	505					0				0		
		0	0	0	1		1	0	0		0	0
	506	0	0	0	1	1	0	0	0	0	0	0
##	507	0	0	0	1	0	0	1	0	0	0	0
##	508	0	0	0	0	0	1	0	0	0	0	0
	509	0	0	0	0	0	0	0	1	0	0	0
	510				0		0				0	
		0	0	0		0		0	1	0		0
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	519	0	0	0	0	0	0	0	0	0	1	0
	520											
		0	0	0	0	0	0	0	1	0	0	0
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##	527	0	1	0	0	0	0	0	0	1	0	0
##	528	0	1	0	0	0	0	0	0	1	0	0
##	529	0	1	0	0	0	0	0	0	0	1	0
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##	533	0	0	1	0	0	0	0	0	0	0	1
##	534	0	0	1	0	0	0	0	0	0	0	1
	535	0	0	1	0	0	0	0	0	0	0	1
	536											
		0	0	0	1	0	1	0	0	0	0	0
	537	0	0	0	1	0	1	0	0	0	0	0
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##	539	0	0	0	1	0	0	1	0	0	0	0
	540	0	0	0	0	0	0	1	0	0	0	0
	541	0		0	0	0	0	1	0	0	0	0
			0									
	542	0	0	0	0	0	1	0	0	0	0	0
##	543	0	0	0	0	0	0	0	1	0	0	0
##	544	0	0	0	0	0	0	0	1	0	0	0
	545	0	0	0	0	0	0	0	0	1	0	0
	546	0		0	0	0	0	0	1	0	0	
			0									0
##	547	0	0	0	0	0	0	0	1	0	0	0

= . =	_	_	_	_	_	_		_	_	_	_	
## 548	0	0	0	0	0	0	1	0	0	0	0	
## 549	0	0	0	0	0	0	1	0	0	0	0	
## 550	0	0	0	0	0	0	0	1	0	0	0	
## 551	0	0	0	0	0	0	1	0	0	0	0	
## 552	0	0	0	0	0	0			0			
							0	1		0	0	
## 553	0	0	0	0	0	0	0	1	0	0	0	
## 554	0	0	0	0	0	0	1	0	0	0	0	
## 555	0	0	0	0	0	0	0	1	0	0	0	
## 556	1	0	0	0	0	0	0	0	1	0	0	
## 557	0	0	1	0	0	1	0	0	0	0	0	
## 558	0	0	1	0	ø	0	ø	0	0	0	1	
## 559	0	0	1	0	1	0	0	0	0	0	0	
## 560	0	0	1	0	1	0	0	0	0	0	0	
## 561	0	0	0	1	0	1	0	0	0	0	0	
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## 564	0	0	0	0	0	0	1	0	0	0	0	
## 565	0	0	0	0	0	0			0			
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## 566	0	0	0	0	0	0	0	1	0	0	0	
## 567	0	0	0	0	0	0	0	1	0	0	0	
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## 570	0	0	0	0	0	0	0	0	1	0	0	
## 571	0	0	0	0	0	0	1	0	0	0	0	
## 572	0	0	0	0	0	0	0	1	0	0	0	
## 573	1	0	0	0	0	0	0	0	0	1	0	
## 574	1	0	0	0	0	0	0	1	0	0	0	
## 575	1	0	0	0	0	0	0	0	0	1	0	
## 576	1	0	0	0	0	0	0	0	0	1	0	
## 577	1	0	0	0	0	0	0	0	1	0	0	
## 578	1	0	0	0	ø	ø	0	0	1	0	0	
## 579	0	1	0	0	0	0	0	0	0	1	0	
## 580	0	1	0	0	0	0	0	0	0	0	1	
## 581	0	1	0	0	1	0	0	0	0	0	0	
## 582	0	1	0	0	0	0	0	0	0	0	1	
## 583	0	1	0	0	0	0	0	0	0	1	0	
## 584	0	0	1	0	0	0	0	0	0	0	1	
## 585	0	0	1	0	1	0	0	0	0	0	0	
## 586	0	0	1	0	0	0	0	0	0	0	1	
## 587	0	0	1	0	0	0	0	0	0	0	1	
## 588	0	0	1	0	0	1	0	0	0	0	0	
## 589	0	0	1	0	1	0	0	0	0	0	0	
## 590	0	0	1	0	1	0	0	0	0	0	0	
## 591	0	0	_ 1	0	0	1	0	0	0	0	0	
## 592	0	0	0	1	0	0	1	0	0	0	0	
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## 594	0	0	0	0	0	0	0	1	0	0	0	
## 595	0	0	0	0	0	0	0	0	1	0	0	
## 596	0	0	0	0	0	0	1	0	0	0	0	
## 597	0	0	0	0	0	0	1	0	0	0	0	
=	_	_	_	_	-	-	_	_	_	-	-	

##	598	0	0	0	0	0	0	0	0	1	0	0
##	599	0	0	0	0	0	0	0	0	1	0	0
	600	0	0	0	0	0	0	0	1	0	0	0
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	602	0	0	0	0	0	0	0	0	0	1	0
##	603	0	0	0	0	0	0	0	1	0	0	0
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	605	1	0	0	0	0	0	0	0	0	1	0
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	610	0	1	0	0	0	0	0	0	0	1	0
	611	0	1	0	0	1	0	0	0	0	0	0
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##	613	0	1	0	0	0	0	0	0	0	0	1
##	614	0	1	0	0	0	0	0	0	1	0	0
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	616	0	0	1	0	0	0	0	0	0	0	1
	617	0	0	1	0	0	0	0	0	0	0	1
	618	0	0	0	1	1	0	0	0	0	0	0
	619	0	0	0	1	0	1	0	0	0	0	0
##	620	0	0	0	1	0	1	0	0	0	0	0
##	621	0	0	0	1	1	0	0	0	0	0	0
##	622	0	0	0	1	0	0	1	0	0	0	0
	623	0	0	0	1	0	0	1	0	0	0	0
	624	0	0	0	0	0	1	0	0	0	0	0
	625	0	0	0	0	0	0	1	0	0	0	0
	626	0	0	0	0	0	0	0	0	1	0	0
	627	0	0	0	0	0	0	0	1	0	0	0
##	628	0	0	0	0	0	0	0	1	0	0	0
##	629	0	0	0	0	0	0	1	0	0	0	0
	630	0	0	0	0	0	0	0	1	0	0	0
	631	0	0	0	0	0	0	0	1	0	0	0
	632	0	0	0	0	0	0	0	0	0	1	0
	633	0	0	0	0	0	0	1	0	0	0	0
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##	635	0	0	0	0	0	0	0	0	0	1	0
	636	0	0	0	0	0	0	0	1	0	0	0
	637	0	0	0	0	0	0	0	0	1	0	0
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	639	0	0	0	0	0	0	0	0	0	1	0
	640	0	0	0	0	0	0	0	1	0	0	0
##	641	0	0	0	0	0	0	0	1	0	0	0
##	642	0	0	0	0	0	0	0	1	0	0	0
	643	0	0	0	0	0	0	0	0	1	0	0
	644	0	0	0	0	0	0	0	0	0	1	0
	645	0	0	0	0	0	0	0	0	1	0	0
	646	0	0	0	0	0	0	0	1	0	0	0
##	647	0	0	0	0	0	0	0	0	1	0	0

## (	648	0	0	0	0	0	0	0	1	0	0	0
## (	649	0	0	0	0	0	0	0	0	1	0	0
## (		0	0	0	0	0	0	0	0	1	0	0
## (		0	0	0	0	0	0	0	0	1	0	0
## (	652	1	0	0	0	0	0	0	0	0	1	0
## (	653	1	0	0	0	0	0	0	0	0	1	0
## (		1	0	0	0	0	0	0	1	0	0	0
## (		1	0	0	0	0	0	0	0	1	0	0
## (		1	0	0	0	0	0	0	0	0	1	0
## (	657	1	0	0	0	0	0	0	1	0	0	0
## (	658	1	0	0	0	0	0	0	0	0	1	0
## (	659	1	0	0	0	0	0	0	0	0	1	0
## (		1	0	0	0	0	0	0	0	1	0	0
## (		1	0	0	0	0	0	0	0	1	0	0
## (	662	1	0	0	0	0	0	0	0	0	1	0
## (	663	0	0	0	0	0	0	0	0	1	0	0
## (	664	1	0	0	0	0	0	0	0	0	0	1
## (		0	1	0	0	0	0	0	0	0	0	1
## (		0	0	1	0	1	0	0	0	0	0	0
## (		0	0	0	0	0	0	1	0	0	0	0
## (	668	0	1	0	0	1	0	0	0	0	0	0
## (	669	0	0	0	0	1	0	0	0	0	0	0
## (	670	0	0	0	0	0	1	0	0	0	0	0
## (		1	0	0	0	0	0	0	0	0	1	0
## (		0	1	0	0	0	0	0	0	1	0	0
		_										
## (		0	0	0	0	0	0	0	0	1	0	0
## (		0	0	0	1	0	1	0	0	0	0	0
## (	675	0	0	0	0	0	0	1	0	0	0	0
## (	676	1	0	0	0	0	0	0	0	0	0	1
## (	677	0	0	1	0	0	1	0	0	0	0	0
## (		0	0	0	0	0	0	0	1	0	0	0
## (		0	0	1	0	0	0	0	0	0	0	1
		-										
## (		0	0	0	0	0	0	0	0	0	1	0
## (		0	1	0	0	0	0	0	0	0	0	1
## (	682	0	0	1	0	0	0	0	0	0	0	1
## (	683	0	1	0	0	0	0	0	0	1	0	0
## (		0	0	1	0	1	0	0	0	0	0	0
## (		0	1	0	0	0	0	0	0	0	0	1
		_										
## (		0	0	0	0	0	0	0	0	1	0	0
## (		0	0	0	0	1	0	0	0	0	0	0
## (	688	0	0	1	0	0	0	0	0	0	0	1
## (	689	0	1	0	0	0	0	0	0	1	0	0
## (	690	0	0	0	0	0	0	0	0	1	0	0
## (		1	0	0	0	0	0	0	0	0	0	1
## (		0	0	0	0	0	0	0	0	0	1	0
## (		0	1	0	0	1	0	0	0	0	0	0
## (	694	0	1	0	0	1	0	0	0	0	0	0
## (	695	0	0	1	0	0	1	0	0	0	0	0
## (		0	0	0	0	0	0	0	0	1	0	0
## (		0	0	0	0	0	0	1	0	0	0	0
ππ (		J	J	J	J	U	J	1	U	J	9	J

## 698	0	0	0	0	0	0	0	1	0	0	0	
## 698	0	0	0	0	0	0	1	0	0	0		
											0	
## 700	1	0	0	0	0	0	0	0	0	1	0	
## 701	1	0	0	0	0	0	0	0	0	1	0	
## 702	0	0	0	0	0	1	0	0	0	0	0	
## 703	0	0	1	0	0	0	0	0	0	0	1	
## 704	0	0	1	0	0	1	0	0	0	0	0	
## 705	0	0	1	0	1	0	0	0	0	0	0	
## 706	1	0	0	0	0	0	0	0	0	0	1	
## 707	0	0	1	0	0	0	0	0	0	0	1	
## 708	0	0	0	0	0	0	0	0	1	0	0	
## 709	1	0	0	0	0	0	0	0	0	1	0	
## 710	0	0	1	0	1	0	0	0	0	0	0	
## 711	0	0	0	0	0	0	1	0	0	0	0	
## 712	1	0	0	0	0	0	0	0	1	0	0	
## 713	0	0	1	0	0	1	0	0	0	0	0	
## 714	1	0	0	0	0	0	0	0	0	1	0	
## 715	0	1	0	0	0	0	0	0	1	0	0	
## 716	0	0	1	0	0	1	0	0	0	0	0	
## 717	0	0	0	0	0	0	0	0	1	0	0	
## 718	0	0	0	0	0	0	0	0	1	0	0	
## 719	1	0	0	0	0	0	0	0	0	0	1	
## 720	0	1	0	0	0	0	0	0	0	1	0	
## 721	0	0	1	0	0	0	0	0	0	0	1	
## 722	0	0	0	0	0	0	0	0	1	0	0	
## 723	0	0	0	0	0	0	0	0	1	0	0	
## 724	0	0	0	0	0	0	0	0	0	1	0	
## 725	0	1	0	0	0	0	0	0	0	0	1	
## 726	0	0	1	0	1	0	0	0	0	0	0	
## 727	0	0	0	0	0	0	1	0	0	0	0	
## 728	0	0	0	0	0	0	0	1	0	0	0	
## 729	0	1	0	0	0	0	0	0	0	0	1	
## 730	0	0	0	0	0	0	0	1	0	0	0	
## 731	0	0	1	0	1	0	0	0	0	0	0	
## 732	0	0	0	0	0	0	0	0	0	1	0	
## 733	1	0	0	0	0	0	0	0	0	1	0	
## 734	0	0	1	0	0	1	0	0	0	0	0	
## 735	0	0	0	0	0	0	0	1	0	0	0	
## 736	1	0	0	0	0	0	0	0	0	0	1	
## 737	0	1	0	0	1	0	0	0	0	0	0	
## 738	0	0	1	0	1	0	0	0	0	0	0	
## 739	0	0	0	0	0	0	ø	1	0	0	0	
## 740	0	0	1	0	1	0	ø	0	0	0	0	
## 741	0	0	0	0	0	0	0	1	0	0	0	
## 742	0	0	0	0	0	0	0	0	0	1	0	
## 743	0	0	0	0	0	0	0	0	1	0	0	
## 743	0	1	0	0	0	0	0	0	1	0	0	
## 744	0	0	0	0	0	0	0	0	0	1	0	
## 743	0	0	0	0	0	0	0	1	0	0	0	
## 747	0	1	0	0	0	0	0	0	0	0	1	
ππ / <del>4</del> /	ð	1	U	U	U	ð	U	U	U	U	1	

## 748	1	0	0	0	0	0	0	0	0	0	1	
## 749	0	0	0	0	0	0	1	0	0	0	0	
## 750	0	1	0	0	0	0	0	0	0	0	1	
## 751	0	1	0	0	1	0	0	0	0	0	0	
## 752	0	0	1	0	0	0	0	0	0	1	0	
## 753	0	0	1	0	1	0	0	0	0	0	0	
## 754	0	0	1	0	0	1	0	0	0	0	0	
## 755	0	0	1	0	0	0	0	0	0	0	1	
## 756	0	0	0	0	0	0	1	0	0	0	0	
## 757	0	1	0	0	ø	ø	0	ø	ø	0	1	
## 758	0	0	0	1	0	1	0	0	0	0	0	
## 759	0	0	1	0	0	0	0	0	0	0	1	
## 760	1	0	0	0	0	0	0	0	0	1	0	
## 761	0	0	1	0	0	0	0	0	0	0	1	
## 762	0	0	1	0	0	0	0	0	0	0	1	
## 763	1	0	0	0	0	0	0	0	1	0	0	
## 764	1	0	0	0	ø	ø		0	0	0	1	
							0					
## 765	0	1	0	0	0	0	0	0	0	0	1	
## 766	0	0	0	0	0	0	1	0	0	0	0	
## 767	0	0	0	0	0	0	0	1	0	0	0	
## 768	0	0	0	0	0	0	1	0	0	0	0	
## 769	0	0	0	0	0	0	0	1	0	0	0	
## 770	1	0	0	0	0	0	0	0	0	1	0	
## 771	0	1	0	0	0	0	0	0	0	1	0	
## 772	0	1	0	0	0	0	0	0	0	0	1	
## 773	0	0	0	0	1	0	0	0	0	0	0	
## 774	0	0	0	0	0	0	1	0	0	0	0	
## 775	0	0	0	0	0	0	0	0	1	0	0	
## 776	0	0	0	0	0	0	0	1	0	0	0	
## 777	1	0	0	0	0	0	0	0	0	1	0	
## 778	1	0	0	0	0	0	0	0	1	0	0	
## 779	1	0	0	0	0	0	0	0	1	0	0	
## 780	1	0	0	0	0	0	0	0	1	0	0	
## 781	1	0	0	0	0	0	0	0	1	0	0	
## 782	1	0	0	0	0	0	0	0	0	0	1	
## 783	0	0	0	0	1	0	0	0	0	0	0	
## 784	1	0	0	0	0	ø	ø	ø	1	0	0	
## 785	0	1	0	0	0	0	0	0	1	0	0	
## 786	0	1	0	0	0	0	0	0	0	0	1	
## 787	0	1	0	0	1	0	0	0	0	0	0	
## 788	0	0	1	0	1	0	0	0	0	0	0	
## 789	0	0	1	0	1	0	0	0	0	0	0	
## 790	0	0	0	1	1	0	0	0	0	0	0	
## 791				1								
	0	0	0		1	0	0	0	0	0	0	
## 792	0	0	0	1	1	0	0	0	0	0	0	
## 793	0	0	0	0	0	0	0	1	0	0	0	
## 794	0	0	0	0	0	0	1	0	0	0	0	
## 795	0	0	0	0	0	0	1	0	0	0	0	
## 796	0	0	0	0	0	0	1	0	0	0	0	
## 797	0	0	0	0	0	0	0	1	0	0	0	
π# /J/	v	U	U	U	U	U	U	1	U	V	U	

##	798	0	0	0	0	0	0	0	1	0	0	0
##	799	1	0	0	0	0	0	0	0	1	0	0
	800	1	0	0	0	0	0	0	0	1	0	0
	801	1	0	0	0	0	0	0	0	0	0	1
##	802	1	0	0	0	0	0	0	0	0	0	1
##	803	1	0	0	0	0	0	0	0	0	0	1
##	804	0	1	0	0	0	0	0	0	0	0	1
	805	0	1	0	0	0	0	0	0	0	0	1
	806	0	0	1	0	1	0	0	0	0	0	0
	807	0	0	0	1	0	0	0	0	0	0	1
##	808	0	0	0	1	0	1	0	0	0	0	0
##	809	0	0	0	1	1	0	0	0	0	0	0
	810	0	0	0	1	1	0	0	0	0	0	0
	811	0			0	1		0			0	
			0	0			0		0	0		0
	812	0	0	0	0	0	0	1	0	0	0	0
##	813	0	0	0	0	0	0	1	0	0	0	0
##	814	0	0	0	0	0	1	0	0	0	0	0
##	815	0	0	0	0	0	0	1	0	0	0	0
	816	0	0	0	0	0	0	0	1	0	0	0
	817	0	0	0	0	0	0	0	1	0	0	0
	818	0	0	0	0	0	0	0	1	0	0	0
	819	0	0	0	0	0	0	1	0	0	0	0
##	820	1	0	0	0	0	0	0	0	0	1	0
##	821	0	1	0	0	0	0	0	0	0	0	1
##	822	0	0	0	1	0	1	0	0	0	0	0
	823	0	0	0	0	0	0	1	0	0	0	0
	824	0	0	0	0	0	0	1	0	0	0	0
	825				0	0	0	0			0	
		0	0	0					0	1		0
	826	0	0	0	0	0	0	0	0	1	0	0
	827	0	0	0	0	0	0	1	0	0	0	0
##	828	0	0	0	0	0	0	0	1	0	0	0
##	829	0	0	0	0	0	0	0	1	0	0	0
	830	0	0	0	0	0	0	0	0	1	0	0
	831	0	0	0	0	0	0	0	1	0	0	0
		0		0	0		0		0			
	832		0			0		0		0	1	0
	833	1	0	0	0	0	0	0	0	0	1	0
	834	0	1	0	0	1	0	0	0	0	0	0
##	835	0	0	1	0	0	0	0	0	0	1	0
##	836	0	0	1	0	0	0	0	0	0	0	1
	837	0	0	1	0	0	0	0	0	0	1	0
	838	0	0	1	0	0	0	0	0	0	1	0
	839	0	0	1	0	0	1	0	0	0	0	0
	840	0	0	1	0	1	0	0	0	0	0	0
	841	0	0	0	1	0	0	0	0	0	0	1
##	842	0	0	0	1	0	0	1	0	0	0	0
##	843	0	0	0	1	0	0	1	0	0	0	0
	844	0	0	0	1	0	1	0	0	0	0	0
	845	0	0	0	0	0	0	1	0	0	0	0
	846	0	0	0	0	0	1	0	0	0	0	0
##	847	0	0	0	0	0	0	0	1	0	0	0

##	848	0	0	0	0	0	1	0	0	0	0	0
##	849	0	0	0	0	0	0	0	0	1	0	0
	850	0	0	0	0	0	0	0	1	0	0	0
	851	0	0	0	0	0	0	0	1	0	0	0
##	852	1	0	0	0	0	0	0	0	1	0	0
##	853	0	0	1	0	1	0	0	0	0	0	0
	854	0	0	0	0	0	0	0	0	1	0	0
	855	0	0	0	0	0	0	0	1	0	0	0
	856	0	0	0	0	0	0	1	0	0	0	0
##	857	0	0	0	1	1	0	0	0	0	0	0
##	858	0	0	0	0	0	0	1	0	0	0	0
##	859	0	0	0	0	0	1	0	0	0	0	0
	860	0	0	0	0	0	0	0	0	1	0	0
	861	0	0	0	0	0	0	0	0	0	1	0
	862	0	0	0	0	0	0	0	0	1	0	0
##	863	0	0	1	0	0	0	0	0	0	0	1
##	864	0	0	0	1	0	0	1	0	0	0	0
	865	0	0	0	0	0	0	1	0	0	0	0
		_										
	866	1	0	0	0	0	0	0	1	0	0	0
	867	1	0	0	0	0	0	0	0	1	0	0
##	868	1	0	0	0	0	0	0	0	1	0	0
##	869	0	1	0	0	1	0	0	0	0	0	0
##	870	0	0	1	0	0	1	0	0	0	0	0
	871	0	0	0	0	0	1	0	0	0	0	0
	872	0	0	0	0	0	0	1	0	0	0	0
		-										
	873	0	0	0	0	0	0	0	0	0	1	0
	874	1	0	0	0	0	0	0	0	1	0	0
##	875	1	0	0	0	0	0	0	0	0	0	1
##	876	0	0	1	0	0	0	0	0	0	0	1
##	877	0	0	0	0	0	0	1	0	0	0	0
	878	0	0	0	0	0	0	0	0	1	0	0
	879	0	0	1	0	0	0	0	0	0	0	1
		-										
	880	0	0	0	0	0	0	0	1	0	0	0
	881	0	0	0	0	0	0	0	0	1	0	0
##	882	0	0	0	0	0	0	1	0	0	0	0
##	883	0	0	0	0	0	0	0	0	0	1	0
	884	0	1	0	0	0	0	0	0	0	1	0
	885	0	0	1	0	0	1	0	0	0	0	0
	886	0	0	1	0	1	0	0	0	0	0	0
	887	0	0	0	0	0	0	0	0	1	0	0
##	888	0	0	0	0	0	0	0	0	1	0	0
##	889	1	0	0	0	0	0	0	0	0	1	0
##	890	1	0	0	0	0	0	0	0	1	0	0
	891	0	0	1	0	1	0	0	0	0	0	0
	892	0	0	0	1	0	1	0	0	0	0	0
	893	0	0	0	0	0	0	1	0	0	0	0
	894	1	0	0	0	0	0	0	0	0	1	0
##	895	0	1	0	0	0	0	0	0	1	0	0
	896	1	0	0	0	0	0	0	0	1	0	0
	897	0	1	0	0	0	0	0	0	0	1	0
	J	-	_	-	J	J	J	•	J	J	_	_

##	898	0	0	1	0	0	0	0	0	0	0	1
##	899	0	0	0	1	0	1	0	0	0	0	0
	900	1	0	0	0	0	0	0	1	0	0	0
##	901	1	0	0	0	0	0	0	0	0	0	1
##	902	0	1	0	0	0	0	0	0	1	0	0
	903	0		0	0	0		0		0	0	
			0				1		0			0
##	904	0	0	0	0	0	0	1	0	0	0	0
##	905	0	0	1	0	0	0	0	0	0	0	1
##	906	1	0	0	0	0	0	0	0	1	0	0
	907	1	0	0	0	0	0	0	0	0	0	1
##	908	0	1	0	0	0	0	0	0	0	0	1
##	909	0	0	0	1	1	0	0	0	0	0	0
	910	0	0	0	0	0	0	0	1	0	0	0
	911	0	0	0	0	0	0	1	0	0	0	0
##	912	0	0	0	0	0	0	0	0	1	0	0
##	913	1	0	0	0	0	0	0	0	1	0	0
	914	1	0	0	0	0	0	0	1	0	0	0
	915	0	1	0	0	0	0	0	0	1	0	0
##	916	0	0	1	0	1	0	0	0	0	0	0
##	917	0	0	0	1	0	1	0	0	0	0	0
	918	0	0	0	0	0	0	1	0	0	0	0
	919	0	0	0	0	0	0	0	1	0	0	0
##	920	0	0	0	0	0	0	0	1	0	0	0
##	921	0	1	0	0	1	0	0	0	0	0	0
	922	0	0	1	0	0	0	0	0	0	0	1
		_										
	923	0	0	0	0	0	0	0	0	1	0	0
##	924	0	0	0	0	0	0	0	0	0	1	0
##	925	1	0	0	0	0	0	0	0	0	1	0
	926	0	0	1	0	0	1	0	0	0	0	0
	927	0	0	1	0	1	0	0	0	0	0	0
##	928	0	0	1	0	1	0	0	0	0	0	0
##	929	0	0	0	0	0	0	0	0	1	0	0
	930	0	0	0	1	1	0	0	0	0	0	0
	931	0	0	0	1	0	1	0	0	0	0	0
##	932	0	0	0	0	0	0	0	1	0	0	0
##	933	0	0	0	0	0	0	0	0	1	0	0
	934	1	0	0	0	0	0	0	0	0	0	1
	935	1	0	0	0	0	0	0	0	0	1	0
	936	1	0	0	0	0	0	0	0	0	0	1
##	937	1	0	0	0	0	0	0	0	1	0	0
	938	0	0	0	0	0	0	0	1	0	0	0
	939						0					
		0	0	0	0	0		0	0	1	0	0
	940	0	0	0	0	0	0	1	0	0	0	0
##	941	0	0	0	0	0	0	0	1	0	0	0
	942	0	1	0	0	0	0	0	0	0	1	0
	943	0	1	0	0	1	0	0	0	0	0	0
##	944	0	0	1	0	0	0	0	0	0	0	1
##	945	0	0	0	1	0	1	0	0	0	0	0
	946	0	0	0	0	0	1	0	0	0	0	0
##	947	0	0	0	0	0	1	0	0	0	0	0

	_	_	_	_	_	_	_	_	_	_	_	
## 948	0	0	0	0	0	0	1	0	0	0	0	
## 949	0	0	0	0	0	0	0	0	1	0	0	
## 950	0	0	0	1	0	1	0	0	0	0	0	
## 951	0	0	0	0	1	0	0	0	0	0	0	
## 952	0	0	0	0	0	1	0	0	0	0	0	
## 953	0	0	0	1	1	0	0	0	0	0	0	
## 954	0	0	0	0	0	1	0	0	0	0	0	
## 955	0	0	0	0	0	0	0	1	0	0	0	
## 956												
	0	0	0	0	0	0	0	0	0	1	0	
## 957	1	0	0	0	0	0	0	0	0	1	0	
## 958	0	0	0	0	0	0	0	1	0	0	0	
## 959	0	0	0	0	0	0	0	0	0	1	0	
## 960	1	0	0	0	0	0	0	0	0	1	0	
## 961	0	1	0	0	ø	ø	0	ø	0	1	0	
## 962	0	1	0	0	0	0	0	0	0	1	0	
## 963	0	0	0	1	1	0	0	0	0	0	0	
## 964	0	0	0	0	0	0	0	1	0	0	0	
## 965	0	0	1	0	0	0	0	0	0	0	1	
## 966	0	0	1	0	0	1	0	0	0	0	0	
## 967	0	1	0	0	0	0	ø	0	0	1	0	
## 968	0	0	0	0	0	0	1	0	0	0	0	
## 969	0	0	0	0	0	0	0	1	0	0	0	
## 970	0	0	1	0	1	0	0	0	0	0	0	
## 971	0	0	0	0	0	0	1	0	0	0	0	
## 972	0	0	1	0	1	0	0	0	0	0	0	
## 973	1	0	0	0	0	0	0	0	0	1	0	
## 974	0	0	0	0	0	0	1	0	0	0	0	
## 975	0	0	0	0	0	0	0	0	1	0	0	
## 976	0	1	0	0	0	0	0	0	0	1	0	
## 977	0	1	0	0	0	0	0	0	0	0	1	
## 978	0	0	0	1	0	1	0	0	0	0	0	
## 979	0	0	0	1	0	1	0	0	0	0	0	
## 980	1	0	0	0	0	0	0	0	1	0	0	
## 981	0	1	0	0	0	0	0	0	0	1	0	
	0	0	0	0		0					0	
## 982					0		1	0	0	0		
## 983	0	0	0	0	0	0	0	0	0	1	0	
## 984	0	0	0	0	0	0	0	1	0	0	0	
## 985	0	1	0	0	0	0	0	0	0	1	0	
## 986	0	0	0	0	0	0	0	1	0	0	0	
## 987	0	0	0	1	0	1	0	0	0	0	0	
## 988	0	0	0	1	0	1	0	0	0	0	0	
## 989	0	0	0	0	0	0	0	0	1	0	0	
## 990	0	0	0	0	0	0	0	1	0	0	0	
## 991	0	0	1	0	1	0	0	0	0	0	0	
## 992	0	0	0	0	0	0	1	0	0	0	0	
## 993	0	0	0	0	0	0	0	0	1	0	0	
## 994	0	1	0	0	0	0	0	0	0	1	0	
## 995	ø	0	1	0	ø	0	0	0	0	0	1	
## 996											0	
	0	0	0	0	0	0	1	0	0	0		
## 997	0	0	0	0	0	0	0	0	1	0	0	

## 998	0	0	1	0	0	0	0	0	0	0	1	
## 999	0	0	0	1	0	0	1	0	0	0	0	
## 1000	0	0	0	0	1	0	0	0	0	0	0	
## 1001	0	0	0	0	0	0	0	0	0	1	0	
## 1002	0	0	1	0	1	0	0	0	0	0	0	
## 1003	0	0	0	0	0	0	1	0	0	0	0	
## 1004	0	1	0	0	1	0	0	0	0	0	0	
## 1005	0	0	0	1	0	1	0	0	0	0	0	
## 1006	0	0	0	0	0	0	0	1	0	0	0	
## 1007	0	0	0	0	0	0	0	1	0	0	0	
## 1008	1	0	0	0	0	0	0	0	0	0	1	
## 1009	0	1	0	0	0	0	0	0	0	0	1	
## 1010	0	0	1	0	1	0	0	0	0	0	0	
## 1011	0	0	0	1	0	1	0	0	0	0	0	
## 1012	0	0	0	0	0	0	1	0	0	0	0	
## 1013	0	0	0	0	0	0	0	1	0	0	0	
## 1014	0	0	0	0	0	0	0	0	1	0	0	
## 1015	1	0	0	0	0	0	0	0	0	1	0	
## 1016	0						0					
		1	0	0	0	0		0	0	0	1	
## 1017	0	0	1	0	0	0	0	0	0	0	1	
## 1018	0	0	0	1	0	1	0	0	0	0	0	
## 1019	0	0	0	0	0	0	1	0	0	0	0	
## 1020	0	0	0	0	0	0	1	0	0	0	0	
## 1021	0	0	0	0	0	0	0	0	1	0	0	
## 1022	1	0	0	0	0	0	0	0	0	0	1	
## 1023	0		0	0	0	0	0	0		0	0	
		1							1			
## 1024	0	0	1	0	0	1	0	0	0	0	0	
## 1025	0	0	0	1	0	1	0	0	0	0	0	
## 1026	0	0	0	0	0	1	0	0	0	0	0	
## 1027	0	0	0	0	0	0	0	0	1	0	0	
## 1028	0	0	0	0	0	0	1	0	0	0	0	
## 1029	0	0	0	0	0	0	1	0	0	0	0	
## 1030			0	0	0	0	0					
	1	0						0	1	0	0	
## 1031	0	1	0	0	0	0	0	0	0	1	0	
## 1032	0	1	0	0	0	0	0	0	0	0	1	
## 1033	0	1	0	0	0	0	0	0	0	1	0	
## 1034	0	0	1	0	1	0	0	0	0	0	0	
## 1035	0	0	0	1	1	0	0	0	0	0	0	
## 1036	0	0	0	0	0	0	1	0	0	0	0	
## 1030	0		0	0	0	0	0	1	0	0	0	
		0										
## 1038	0	0	0	0	0	0	1	0	0	0	0	
## 1039	0	0	0	0	0	0	1	0	0	0	0	
## 1040	0	0	0	0	0	0	0	0	0	1	0	
## 1041	1	0	0	0	0	0	0	0	0	1	0	
## 1042	0	1	0	0	0	0	0	0	0	1	0	
## 1043	0	0	1	0	1	ø	0	0	0	0	0	
## 1043												
	0	0	0	1	0	1	0	0	0	0	0	
## 1045	0	0	0	0	0	0	1	0	0	0	0	
## 1046	0	0	0	0	0	0	0	1	0	0	0	
## 1047	0	0	0	0	0	0	0	1	0	0	0	

## 1048	1	0	0	0	0	0	0	1	0	0	0	
## 1049	0	1	0	0	0	0	0	0	0	0	1	
## 1050	0	0	1	0	1	0	0	0	0	0	0	
## 1051	0	0	0	1	0	1	0	0	0	0	0	
## 1052	0	0	0	0	0	1	0	0	0	0	0	
## 1053	0	0	0	0	0	0	0	0	0	1	0	
## 1054	1	0	0	0	0	0	0	0	0	1	0	
## 1055	0	1	0	0	1	0	0	0	0	0	0	
## 1056	0	0	1	0	1	0	0	0	0	0	0	
## 1057	0	0	0	1	0	0	0	0	0	0	1	
## 1058	0	0	0	0	0	0	0	1	0	0	0	
## 1059	0	0	0	0	0	0	0	0	1	0	0	
## 1060	1	0	0	0	0	0	0	0	0	1	0	
## 1061	0	1	0	0	1	0	0	0	0	0	0	
## 1062	0	0	1	0	0	0	0	0	0	0	1	
## 1063	0	0	0	1	1	0	0	0	0	0	0	
## 1064	0	0	0	1	1	0	0	0	0	0	0	
## 1065	0	0	0	0	1	0	0	0	0	0	0	
## 1066						1						
	0	0	0	0	0		0	0	0	0	0	
## 1067	0	0	0	0	0	0	0	1	0	0	0	
## 1068	1	0	0	0	0	0	0	0	1	0	0	
## 1069	0	1	0	0	1	0	0	0	0	0	0	
## 1070	0	0	1	0	0	0	0	0	0	0	1	
## 1071	0	0	0	1	0	0	1	0	0	0	0	
## 1072	0	0	0	0	0	0	0	1	0	0	0	
## 1073	0			0	0	0	0	0	1	0	0	
		0	0									
## 1074	0	0	0	0	0	0	0	0	1	0	0	
## 1075	1	0	0	0	0	0	0	0	1	0	0	
## 1076	0	1	0	0	0	0	0	0	0	1	0	
## 1077	0	0	1	0	0	0	0	0	0	0	1	
## 1078	0	0	0	1	1	0	0	0	0	0	0	
## 1079	0	0	0	0	0	0	1	0	0	0	0	
## 1080	0	0	0	0	0	0	1	0	0	0	0	
## 1081	0	0	0	0	0	0	0	1	0	0	0	
## 1082	1	0	0	0	0	0	0	0	0	1	0	
## 1083	0	1	0	0	1	0	0	0	0	0	0	
## 1084	0	0	1	0	1	0	0	0	0	0	0	
## 1085	0	0	0	1	0	1	0	0	0	0	0	
## 1086	0	0	0	0	0	1	0	0	0	0	0	
## 1087	0	0	0	0	0	0	0	ø	1	0	0	
## 1088	0	0	0	0	0	0	0	0	0	1	0	
## 1089	1	0	0	0	0	0	0	0	0	0	1	
## 1090	0	1	0	0	0	0	0	0	0	0	1	
## 1091	0	0	1	0	0	0	0	0	0	0	1	
## 1092	0	0	0	1	0	1	0	0	0	0	0	
## 1093	0	0	0	0	0	1	0	0	0	0	0	
## 1094	0	0	0	0	0	0	0	1	0	0	0	
## 1095	0	0	0	0	0	0	0	0	1	0	0	
## 1096	1	0	0	0	0	0	0	0	0	0	1	
## 1097	0	1	0	0	0	0	0	0	0	0	1	

## 1098	0	0	1	0	0	1	0	0	0	0	0	
## 1099	0	0	0	1	0	0	1	0	0	0	0	
## 1100	0	0	0	0	0	1	0	0	0	0	0	
## 1101	0	0	0	0	0	1	0	0	0	0	0	
## 1102	0	0	0	0	0	0	0	1	0	0	0	
## 1103	1	0	0	0	0	0	0	0	1	0	0	
## 1104	0	0	1	0	0	0	0	0	0	0	1	
## 1105	0	0	0	0	0	0	0	1	0	0	0	
## 1106	1	0	0	0	0	0	0	0	1	0	0	
## 1107	0	1	0	0	1	0	0	0	0	0	0	
## 1108	1	0	0	0	0	0	0	0	1	0	0	
## 1109	0	1	0	0	0	0	0	0	0	0	1	
## 1110	0	0	ø	ø	ø	0	1	ø	0	0	0	
## 1111	0	1	0	0	0	0	0	0	0	0	1	
## 1112	0	0	1	0	1	0	0	0	0	0	0	
## 1113	0	0	1	0	0	0	0	0	0	1	0	
## 1114	0	0	1	0	0	0	0	0	0	0	1	
## 1115	0	0	1	0	0	1	0	0	0	0	0	
## 1116	0	0	1	0	0	0	0	0	0	0	1	
## 1117	0	0	1	0	1	0	0	0	0	0	0	
## 1118	0	0	0	1	0	0	0	0	0	0	1	
## 1119	0	0	0	1	0	0	0	0	0	0	1	
## 1120	0	0	0	1	0	1	0	0	0	0	0	
## 1121			0	1	0	1				0	0	
	0	0					0	0	0			
## 1122	0	0	0	1	0	0	1	0	0	0	0	
## 1123	0	0	0	1	0	1	0	0	0	0	0	
## 1124	0	0	0	1	0	0	1	0	0	0	0	
## 1125	0	0	0	1	0	0	0	0	0	0	1	
## 1126	0	0	0	1	1	0	0	0	0	0	0	
## 1127	0	0	0	1	0	1	0	0	0	0	0	
## 1128	0	0	0	1	1	0	0	0	0	0	0	
## 1129	0	0	0	0	1	0	0	0	0	0	0	
## 1130	0	0	0	0	0	0	1	0	0	0	0	
## 1131	0	0	0	0	0	0	1	0	0	0	0	
## 1132	0	0	0	0	0	0	1	0	0	0	0	
## 1133	0	0	0	0	0	1	0	0	0	0	0	
## 1134	0	0	0	0	0	0	0	1	0	0	0	
## 1135	0	0	0	0	0	1	0	0	0	0	0	
## 1136	0	0	0	0	0	0	0	1	0	0	0	
## 1137	0	0	0	0	0	0	0	0	1	0	0	
## 1138	0	0	0	0	0	0	1	0	0	0	0	
## 1139	0	0	0	0	0	0	0	0	1	0	0	
## 1140	0	0	0	0	0	0	1	0	0	0	0	
## 1141	0	0	0	0	0	0	0	1	0	0	0	
## 1142	0	0	0	0	0	0	0	1	0	0	0	
## 1143	0	0	0	0	0	1	0	0	0	0	0	
## 1144	0	0	0	0	0	0	1	0	0	0	0	
## 1145	0	0	0	0	0	0	1	0	0	0	0	
## 1146	0	0	0	0	0	0	0	0	1	0	0	
## 1147	0	0	0	ø	ø	0	ø	1	0	0	0	
ππ <b>114</b> /	U	U	U	U	U	ð	U		U	U	U	

## 1148	0	0	0	0	0	0	0	0	1	0	0	
## 1149	1	0	0	0	0	0	0	0	0	0	1	
## 1150	0	1	0	0	0	0	0	0	1	0	0	
## 1151	0	1	0	0	0	0	0	0	0	1	0	
## 1152	0	0	1	0	1	0	0	0	0	0	0	
## 1153	0	0	1	0	0	0	0	0	0	0	1	
## 1154	0	0	1	0	0	0	0	0	0	0	1	
## 1155	0	0	0	1	ø	0	1	ø	0	0	0	
## 1156	0	0	0	1	1	0	0	0	0	0	0	
## 1157	0	0	0	1	1	0	0	0	0	0	0	
## 1158	0	0	0	1	0	1	0	0	0	0	0	
## 1159	0	0	0	1	0	0	0	0	0	0	1	
## 1160	0	0	0	1	ø	1	0	ø	0	0	0	
## 1161	0	0	0	1	0	0	1	0	0	0	0	
## 1162	0	0	0	1	0	0	0	0	0	0	1	
## 1163	0	0	0	1	0	0	1	0	0	0	0	
## 1164	0	0	0	0	0	1	0	0	0	0	0	
## 1165	0	0	0	0	0	1	0	0	0	0	0	
## 1166	0	0	0	0	0	0	1	0	0	0	0	
## 1167	0	0	0	0	1	0	0	0	0	0	0	
## 1168	0	0	0	0	0	0	0	1	0	0	0	
## 1169	0	0	0	0	0	0	0	1	0	0	0	
## 1170	0	0		0	0	0	0		0	0	0	
	_		0					1				
## 1171	0	0	0	0	0	0	1	0	0	0	0	
## 1172	0	0	0	0	0	0	1	0	0	0	0	
## 1173	0	0	0	0	0	0	0	1	0	0	0	
## 1174	0	0	0	0	0	0	0	0	1	0	0	
## 1175	0	0	0	0	0	0	0	0	1	0	0	
## 1176	0	0	0	0	0	0	0	1	0	0	0	
## 1177	0	0	0	0	0	0	1	0	0	0	0	
## 1178	0	0	0	0	0	0	0	0	1	0	0	
## 1179	0	0	0	0	0	0	0	1	0	0	0	
## 1180	0	0	0	0	0	0	0	1	0	0	0	
## 1181												
	0	0	0	0	0	0	0	1	0	0	0	
## 1182	0	0	0	0	0	0	0	0	1	0	0	
## 1183	0	0	0	0	0	0	0	0	0	1	0	
## 1184	0	0	0	0	0	0	0	1	0	0	0	
## 1185	1	0	0	0	0	0	0	0	1	0	0	
## 1186	0	1	0	ø	ø	0	0	0	1	0	0	
## 1187	0	1	0	0	0	0	0	0	1	0	0	
## 1188	0	1	0	0	0	0	0	0	1	0	0	
## 1189	0	1	0	0	0	0	0	0	0	0	1	
## 1190	0	1	0	0	0	0	0	0	0	1	0	
## 1191	0	1	0	0	ø	0	0	0	0	1	0	
## 1192	0	1	0	0	0	0	0	0	0	1	0	
## 1193	0	0	1	0	1	0	0	0	0	0	0	
## 1194	0	0	1	0	0	0	0	0	0	0	1	
## 1195	0	0	1	0	0	1	0	0	0	0	0	
## 1196	0	0	1	0	1	0	0	0	0	0	0	
## 1197	0	0	1	0	1	0	0	0	0	0	0	

## 1198	0	0	1	0	0	1	0	0	0	0	0	
## 1199	0	0	0	1	0	0	0	0	0	0	1	
## 1200	0	0	0	1	0	0	1	0	0	0	0	
	_											
## 1201	0	0	0	1	0	0	0	0	0	0	1	
## 1202	0	0	0	1	1	0	0	0	0	0	0	
## 1203	0	0	0	1	0	1	0	0	0	0	0	
## 1204	0	0	0	0	1	0	0	0	0	0	0	
## 1205	0	0	0	0	0	0	0	1	0	0	0	
## 1206	0	0	0	0	0	0	0	1	0	0	0	
## 1207	0	0	0	0	0	0	1	0	0	0	0	
## 1208	0	0	0	0	1	0	0	0	0	0	0	
## 1209	0	0	0	0	0	0	1	0	0	0	0	
## 1210	0	0	0	0	0	0	0	1	0	0	0	
## 1211	0	0	0	0	1	0	0	0	0	0	0	
## 1212	0	0	0	0	0	0	0	1	0	0	0	
## 1213	0	0	0	0	0	0	1	0	0	0	0	
## 1214	0	0	0	0	0	0	1	0	0	0	0	
## 1215	0	0	0	0	0	0	0	1	0	0	0	
## 1216				0								
	0	0	0		0	0	0	1	0	0	0	
## 1217	0	0	0	0	0	0	0	1	0	0	0	
## 1218	0	0	0	0	0	0	0	1	0	0	0	
## 1219	0	0	0	0	0	0	0	1	0	0	0	
## 1220	0	0	0	0	0	0	1	0	0	0	0	
## 1221	0	0	0	0	0	0	0	1	0	0	0	
## 1222	0	0	0	0	0	0	0	1	0	0	0	
## 1223	0			0	0	0	0			0	0	
		0	0					0	1			
## 1224	0	0	0	0	0	0	0	1	0	0	0	
## 1225	0	0	0	0	0	0	0	0	0	1	0	
## 1226	0	0	0	0	0	0	0	1	0	0	0	
## 1227	1	0	0	0	0	0	0	0	1	0	0	
## 1228	0	1	0	0	0	0	0	0	0	1	0	
## 1229	0	1	0	0	0	0	0	0	0	0	1	
	0	1	0	0	1	0	0	0	0	0	0	
## 1231	0	1	0	0	0	0	0	0	1	0	0	
## 1232	0	1	0	0	1	0	0	0	0	0	0	
## 1233	0	1	0	0	0	0	0	0	0	0	1	
## 1234	0	0	1	0	0	0	0	0	0	0	1	
## 1235	0	0	1	0	1	0	0	0	0	0	0	
## 1236	0		1	0	0	0	0		0	0	1	
		0						0				
## 1237	0	0	1	0	0	0	0	0	0	0	1	
## 1238	0	0	1	0	0	0	0	0	0	0	1	
## 1239	0	0	1	0	0	0	0	0	0	0	1	
## 1240	0	0	0	1	0	0	0	0	0	0	1	
## 1241	0	0	0	1	0	1	0	0	0	0	0	
## 1242	0	0	0	1	ø	1	0	ø	0	0	0	
## 1242												
	0	0	0	0	0	0	1	0	0	0	0	
## 1244	0	0	0	0	0	0	0	1	0	0	0	
## 1245	0	0	0	0	0	0	0	1	0	0	0	
## 1246	0	0	0	0	1	0	0	0	0	0	0	
## 1247	0	0	0	0	0	0	0	1	0	0	0	

## 1240	0	0	0	0	0	0	0	1	0	0	0
## 1248	0	0	0	0	0	0	0	1	0	0	0
## 1249	0	0	0	0	0	0	0	1	0	0	0
## 1250	0	0	0	0	0	1	0	0	0	0	0
## 1251	0	0	0	0	0	0	0	1	0	0	0
## 1252	0	0	0	0	0	0	0	1	0	0	0
## 1253	0	0	0	0	0	0	0	0	1	0	0
## 1254	1	0	0	0	0	0	0	1	0	0	0
## 1255	0	1	0	0	1	0	0	0	0	0	0
## 1256	0	1	0	0	0	0	0	0	1	0	0
## 1257	0	1	0	0	0	0	0	0	0	0	1
## 1258	0	1	0	0	0	0	0	0	0	0	1
## 1259	0	1	0	0	0	0	0	0	0	0	1
## 1260	0	1	0	0	0	0	0	0	0	0	1
## 1261	0	0	1	0	1	0	0	0	0	0	0
## 1262	0	0	1	0	1	0	0	0	0	0	0
## 1263	0	0	1	0	0	0	0	0	0	0	1
## 1264	0	0	1	0	0	0	0	0	0	0	1
## 1265	0	0	1	0	0	0	0	0	0	0	1
## 1266	0	0	1	0	0	0	0	0	0	0	1
## 1267	0	0	1	0	1	0	0	0	0	0	0
## 1268	0	0	0	1	0	1	0	0	0	0	0
## 1269	0	0	0	1	1	0	0	0	0	0	0
## 1270	0	0	0	1	1	0	0	0	0	0	0
## 1271	0	0	0	1	1	0	0	0	0	0	0
## 1272	0	0	0	1	1	0	0	0	0	0	0
## 1273	0	0	0	1	0	1	0	0	0	0	0
## 1274	0	0	0	0	0	1	0	0	0	0	0
## 1275	0	0	0	0	0	1	0	0	0	0	0
## 1276	0	0	0	0	0	1	0	0	0	0	0
## 1277	0	0	0	0	0	1	0	0	0	0	0
## 1278	0	0	0	0	0	1	0	0	0	0	0
## 1279	0	0	0	0	0	0	1	0	0	0	0
## 1280	0	0	0	0	0	1	0	0	0	0	0
## 1281	0	0	0	0	0	0	0	1	0	0	0
## 1282	0	0	0	0	0	0	0	0	0	1	0
## 1283	0	1	0	ø	ø	0	ø	0	ø	0	1
## 1284	0	1	0	ø	1	0	0	ø	0	0	0
## 1285	0	1	0	ø	1	0	0	ø	0	0	0
## 1286	0	0	1	0	1	0	0	0	0	0	0
## 1287	0	0	0	1	0	0	1	0	0	0	0
## 1288	0	0	0	1	0	1	0	0	0	0	0
## 1289	0	0	0	1	0	1	0	0	0	0	0
## 1299	0	0	0	1	0	0	1	0	0	0	0
## 1290	0	0	0	0	0	0	0	1	0	0	0
## 1291	0	0	0	0	0	0	0	1	0	0	0
## 1292 ## 1293	0			0	0		1				
## 1293 ## 1294	0	0 0	0 0	0	0	0 0		0 0	0 0	0 0	0 0
							1				
## 1295 ## 1206	0	0	0	0	0	0	0	1	0	0	0
## 1296 ## 1207	0	0	0	0	0	0	0	1	0	0	0
## 1297	1	0	0	0	0	0	0	0	1	0	0

## 1298	1	0	0	0	0	0	0	1	0	0	0	
## 1299	1	0	0	0	0	0	0	0	0	1	0	
## 1300	1	0	0	0	0	0	0	0	1	0	0	
## 1301	1	0	0	0	0	0	0	0	0	1	0	
## 1302	0	1	0	0	0	0	0	0	1	0	0	
## 1303	0	1	0	0	0	0	0	0	0	0	1	
## 1304	0	0	1	0	1	0	0	0	0	0	0	
## 1305	0	0	0	1	1	0	0	0	0	0	0	
## 1306	0	0	0	0	0	1	0	0	0	0	0	
## 1307	0	0	0	0	0	1	0	0	0	0	0	
## 1308	0	0	0	0	0	0	0	1	0	0	0	
## 1309	0	0	0	0	0	0	0	1	0	0	0	
## 1310	0	0	0	0	0	0	0	1	0	0	0	
## 1311	0	0	0	0	0	0	0	0	0	1	0	
## 1312	0	0	0	0	0	0	0	0	1	0	0	
## 1313	0	0	0	0	0	0	0	1	0	0	0	
## 1314	1	0	0	0	0	0	0	0	1	0	0	
## 1315	1	0	0	0	0	0	0	1	0	0	0	
				0			0					
## 1316	1	0	0		0	0		1	0	0	0	
## 1317	1	0	0	0	0	0	0	0	1	0	0	
## 1318	0	0	0	1	1	0	0	0	0	0	0	
## 1319	0	0	0	0	0	1	0	0	0	0	0	
## 1320	0	0	0	0	0	0	0	0	1	0	0	
## 1321	0	0	0	0	0	0	0	1	0	0	0	
## 1322	0	1	0	0	0	0	0	0	0	1	0	
## 1323	0	0		ø		0	0	ø	0	0	0	
			1		1							
## 1324	0	0	0	1	0	1	0	0	0	0	0	
## 1325	0	0	0	0	1	0	0	0	0	0	0	
## 1326	0	0	0	0	0	0	0	0	0	1	0	
## 1327	0	0	0	0	0	0	0	0	0	1	0	
## 1328	1	0	0	0	0	0	0	0	1	0	0	
## 1329	0	1	0	0	0	0	0	0	0	1	0	
## 1330	0	0		0		0	0	0	0	0	0	
			1		1							
## 1331	0	0	0	1	0	1	0	0	0	0	0	
## 1332	0	0	0	0	1	0	0	0	0	0	0	
## 1333	0	0	0	0	0	0	1	0	0	0	0	
## 1334	0	0	0	0	0	0	0	0	1	0	0	
## 1335	1	0	0	0	0	0	0	0	1	0	0	
## 1336	0	0	1	0	1	0	0	0	0	0	0	
## 1337	0	0	0	0	0	0	0	0	1	0	0	
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## 1339	0	1	0	0	0	0	0	0	0	0	1	
## 1340	0	0	0	0	0	0	1	0	0	0	0	
## 1341	0	0	0	0	0	1	0	0	0	0	0	
## 1342	0	0	0	0	0	0	0	1	0	0	0	
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## 1345	0	0	0	0	0	0	0	0	1	0	0	
## 1346	0	0	0	0	0	0	0	0	1	0	0	
## 1347	0	0	1	0	1	0	0	0	0	0	0	

## 1348	0	0	1	0	0	0	0	0	0	1	0	
## 1349	1	0	0	0	0	0	0	0	0	1	0	
## 1350	0	1	0	0	0	0	0	0	0	0	1	
## 1351	0	0	1	0	0	0	0	0	0	0	1	
## 1352	0	0	0	0	0	0	0	0	1	0	0	
## 1353	0	0	0	0	0	0	0	0	1	0	0	
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## 1355	0	0	0	0	0	1	0	0	0	0	0	
## 1356												
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## 1357	1	0	0	0	0	0	0	0	0	1	0	
## 1358	0	0	0	0	0	0	0	1	0	0	0	
## 1359	0	1	0	0	0	0	0	0	0	1	0	
## 1360	0	0	1	0	0	0	0	0	0	0	1	
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## 1367	0	0	0	1	ø	1	0	0	0	0	0	
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## 1369	0	0	0	0	0	0	0	0	1	0	0	
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## 1372	0	0	0	0	0	0	0	1	0	0	0	
## 1373	0	0	0	0	0	0	1	0	0	0	0	
## 1374	0	0	0	ø	ø	0	1	0	0	0	0	
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## 1386	0	0	0	0	0	0	1	0	0	0	0	
## 1387	0	0	0	1	0	0	1	0	0	0	0	
## 1388	0	0	0	0	ø	ø	0	1	0	0	0	
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## 1395	0	0	1	0	0	0	0	0	0	1	0	
## 1396	0	0	0	0	0	0	0	0	0	1	0	
## 1397	0	0	1	0	1	0	0	0	0	0	0	

	_	_	_	_	_	_	_	_	_	_	_	
## 1398	0	0	0	1	1	0	0	0	0	0	0	
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## 1405	0	0	0	0	0	0	0	1	0	0	0	
## 1406												
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## 1407	0	0	0	1	0	0	0	0	0	0	1	
## 1408	0	0	1	0	0	0	0	0	0	0	1	
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## 1417	ø	0	0	0	ø	0	0	1	0	0	0	
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## 1425	0		0	1	0	1	0		0	0	0	
		0						0				
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## 1432	0		0	0	0	0		0				
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## 1433	0	1	0	0	0	0	0	0	0	1	0	
## 1434	0	0	1	0	0	1	0	0	0	0	0	
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		0										
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## 1445	ø	0	0	ø	ø	0	0	ø	1	0	0	
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## 1477	0	0	0	0	0	0	1	0	0	0	0	
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## 1479	0	0	0	0	0	0	1	0	0	0	0	
## 1480	1	0	0	0	0	0	0	0	0	1	0	
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## 1486	0	1	0	0	0	0	0	0	0	1	0	
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## 1489	1	0	0	0	0	0	0	1	0	0	0	
## 1490	0	0	1	0	1	0	0	0	0	0	0	
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## 1497	0	0	1	0	0	0	0	0	0	0	1	

				_	_		-					
## 1498	0	0	1	0	0	1	0	0	0	0	0	
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	0	0	0	0				0		0		
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## 1579	0	0	0	ø	ø	0	0	0	1	0	0	
## 1580	1	0	0	0	0	0	0	1	0	0	0	
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## 1585	0	0	0	0	0	1	0	0	0	0	0	
## 1586	0	0	0	ø	ø	0	0	0	1	0	0	
## 1587	0	1	0	0	0	0	0	0	1	0	0	
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##	1600	1	0	0	0	0	0	0	0	1	0	0
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	1602	0	0	1	0	0	0	0	0	0	0	1
	1603	0	0	0	1	0	0	1	0	0	0	0
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	1606	0	1	0	0	0	0	0	0	0	0	1
	1607	0	1	0	0	0	0	0	0	0	0	1
	1608	0	0	0	1	0	1	0	0	0	0	0
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	1613	0	1	0	0	0	0	0	0	1	0	0
	1614		1	0	0	0	0	0	0	0	1	0
		0										
	1615	0	0	0	1	0	1	0	0	0	0	0
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	1622	0	1	0	0	0	0	0	0	0	1	0
##	1623	0	0	1	0	0	0	0	0	0	1	0
##	1624	1	0	0	0	0	0	0	0	1	0	0
##	1625	1	0	0	0	0	0	0	0	1	0	0
	1626	0	0	0	0	0	0	1	0	0	0	0
	1627	0	1	0	0	0	0	0	0	1	0	0
##	1628	1	0	0	0	0	0	0	0	0	0	1
	1629	0	0	1	0	1	0	0	0	0	0	0
##	1630	0	0	0	0	0	0	0	0	1	0	0
##	1631	1	0	0	0	0	0	0	0	1	0	0
##	1632	0	1	0	0	0	0	0	0	0	1	0
	1633	1	0	0	0	0	0	0	0	0	0	1
	1634			0		0	0	0		0	1	0
		0	1		0				0			
	1635	1	0	0	0	0	0	0	1	0	0	0
	1636	0	0	0	0	0	1	0	0	0	0	0
##	1637	0	0	0	0	0	0	0	1	0	0	0
##	1638	0	0	0	0	0	0	0	1	0	0	0
##	1639	0	0	0	0	0	0	0	1	0	0	0
	1640	0	0	0	0	0	0	0	0	0	1	0
	1641		0	0			0					
		0			0	0		0	0	0	1	0
	1642	1	0	0	0	0	0	0	0	0	0	1
##	1643	0	1	0	0	0	0	0	0	0	0	1
##	1644	0	0	1	0	1	0	0	0	0	0	0
##	1645	0	0	0	1	0	0	0	0	0	0	1
	1646	0	0	0	1	1	0	0	0	0	0	0
	1647	0	0	0	0	0	0	1	0	0	0	0
##	104/	U	U	U	U	U	U	Т	U	U	U	U

## 1648	0	0	0	0	0	0	0	1	0	0	0	
## 1646	0	0	0	0	0	0	0	1	0	0	0	
## 1650	0	0	0	0	0	0	0	1	0	0	0	
## 1651	0	0	0	0	0	0	0	1	0	0	0	
## 1652	1	0	0	0	0	0	0	1	0	0	0	
## 1653	0	1	0	0	0	0	0	0	0	1	0	
## 1654	0	1	0	0	0	0	0	0	0	1	0	
## 1655	0	0	1	0	0	1	0	0	0	0	0	
## 1656	0	0	1	0	0	1	0	0	0	0	0	
## 1657	0	0	0	1	0	0	1	0	0	0	0	
## 1658	0	0	0	1	0	0	1	0	0	0	0	
## 1659	0	0	0	0	0	0	1	0	0	0	0	
## 1660	0	0	0	0	0	1	0	0	0	0	0	
## 1661	0	0	0	0	0	0	1	0	0	0	0	
## 1662	0	0	0	0	0	0	0	1	0	0	0	
## 1663	0	0	0	0	0	0	0	0	1	0	0	
## 1664	1	0	0	0	0	0	0	0	1	0	0	
## 1665	1	0	0	0	0	0	0	0	0	1	0	
## 1666	0	1	0	0	0	0	0	0	0	0	1	
## 1667	0	0	1	0	0	0	0	0	0	1	0	
## 1668	0	0	1	0	0	1	0	0	0	0	0	
## 1669	0	0	0	1	1	0	0	0	0	0	0	
## 1670	0	0	0	1	0	1	0	0	0	0	0	
## 1671	0	0	0	0	0	0	0	1	0	0	0	
## 1672	0	0	0	0	0	0	0	1	0	0	0	
## 1673	0	0	0	0	0	0	0	1	0	0	0	
## 1674	0	0	0	0	0	0	0	1	0	0	0	
## 1675	0	0	0	0	0	0	0	0	0	1	0	
## 1676	1	0	0	0	0	0	0	0	0	1	0	
## 1677	1	0	0	0	0	0	0	0	0	0	1	
## 1678	0	1	0	0	0	0	0	0	0	1	0	
## 1679	0	1	0	0	1	0	0	0	0	0	0	
## 1680	0	0	1	0	0	1	0	0	0	0	0	
## 1681	0	0	1	0	0	0	0	0	0	1	0	
## 1682	0	0	0	1	0	0	0	0	0	0	1	
## 1683	0	0	0	1	0	1	ø	0	0	0	0	
## 1684	0	0	0	0	0	1	0	0	0	0	0	
## 1685	0	0	0	0	1	0	0	0	0	0	0	
## 1686	0	0	0	0	0	0	0	0	1	0	0	
## 1687	0	0	0	0	0	0	0	0	1	0	0	
## 1688	ø	0	0	0	ø	ø	ø	1	0	0	ø	
## 1689	1	0	0	0	0	0	0	0	0	0	1	
## 1690	1	0	0	0	0	0	0	0	0	0	1	
## 1691	0	1	0	ø	1	0	0	ø	0	0	0	
## 1692	0	1	0	0	0	0	0	0	0	0	1	
## 1693	0	0	1	0	0	0	0	0	0	1	0	
## 1694	0	0	1	0	0	1	0	0	0	0	0	
## 1695	0	0	0	1	0	0	0	0	0	0	1	
## 1696	0	0	0	1	1	0	0	0	0	0	0	
## 1697	0	0	0	0	0	0	0	1	0	0	0	
ππ 103/	U	U	U	U	Ð	Ð	Ð	1	U	v	U	

##	1698	0	0	0	0	0	0	0	1	0	0	0
##	1699	0	0	0	0	0	0	1	0	0	0	0
	1700	0	0	0	0	0	0	0	1	0	0	0
	1701	-	0	0	0		0			0	0	0
		0				0		0	1			
	1702	0	0	0	0	0	0	0	0	0	1	0
##	1703	1	0	0	0	0	0	0	0	0	1	0
##	1704	1	0	0	0	0	0	0	0	1	0	0
	1705	0	1	0	0	0	0	0	0	1	0	0
	1706	0	1	0	0	1	0	0	0	0	0	0
	1707	0	0	1	0	0	0	0	0	0	0	1
##	1708	0	0	0	1	0	1	0	0	0	0	0
##	1709	0	0	0	1	0	1	0	0	0	0	0
	1710	0	0	0	0	0	1	0	0	0	0	0
	1711	0	0	0	0	0	1	0	0	0	0	0
	1712	0	0	0	0	0	0	0	1	0	0	0
##	1713	0	0	0	0	0	0	0	1	0	0	0
##	1714	0	0	0	0	0	0	0	0	1	0	0
##	1715	1	0	0	0	0	0	0	0	0	1	0
	1716	1	0	0	0	0	0	0	0	0	1	0
	1717	0	1	0	0	0	0	0	0	0	0	1
	1718	0	1	0	0	0	0	0	0	0	1	0
##	1719	0	0	1	0	0	0	0	0	0	0	1
##	1720	0	0	1	0	1	0	0	0	0	0	0
##	1721	0	0	0	1	0	0	0	0	0	0	1
	1722	0	0	0	1	0	0	1	0	0	0	0
	1723	0	0	0	0	0	0	1	0	0	0	0
	1724	0	0	0	0	0	0	0	1	0	0	0
	1725	0	0	0	0	0	0	0	0	1	0	0
##	1726	0	0	0	0	0	0	0	0	1	0	0
##	1727	0	0	0	0	0	0	0	0	0	1	0
##	1728	0	0	0	0	0	0	0	1	0	0	0
##	1729	1	0	0	0	0	0	0	0	1	0	0
	1730	1	0	0	0	0	0	0	0	0	0	1
	1731	0	1	0	0	0	0	0	0	0	0	1
	1732	0	1	0	0	0	0	0	0	1	0	0
##	1733	0	0	1	0	0	1	0	0	0	0	0
##	1734	0	0	1	0	0	1	0	0	0	0	0
##	1735	0	0	0	1	0	1	0	0	0	0	0
	1736	0	0	0	1	0	0	1	0	0	0	0
	1737	0	0	0		0	1	0		0	0	
					0				0			0
	1738	0	0	0	0	0	0	1	0	0	0	0
	1739	0	0	0	0	0	0	0	1	0	0	0
##	1740	0	0	0	0	0	0	0	0	1	0	0
##	1741	0	0	0	0	0	0	0	1	0	0	0
	1742	0	0	0	0	0	0	1	0	0	0	0
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	1745	1	0	0	0	0	0	0	0	1	0	0
	1746	1	0	0	0	0	0	0	1	0	0	0
##	1747	1	0	0	0	0	0	0	0	1	0	0

					_	_	-					
## 1748	0	1	0	0	0	0	0	0	0	1	0	
## 1749	0	1	0	0	0	0	0	0	1	0	0	
## 1750	0	0	1	0	0	1	0	0	0	0	0	
	_											
## 1751	0	0	1	0	0	0	0	0	0	0	1	
## 1752	0	0	0	1	0	0	0	0	0	0	1	
## 1753	0	0	0	1	1	0	0	0	0	0	0	
## 1754	0	0	0	0	0	0	0	1	0	0	0	
## 1755	0	0	0	0	0	0	0	1	0	0	0	
## 1756	0	0	0	0	0	0	0	1	0	0	0	
## 1757	0	0	0	0	0	0	0	0	1	0	0	
## 1758	1	0	0	0	0	0	0	0	0	1	0	
## 1759	1	0	0	0	0	0	0	0	0	1	0	
## 1760	1	0	0	0	0	0	0	0	0	0	1	
## 1761	0	1		ø	ø	0	0			0	1	
			0					0	0			
## 1762	0	0	1	0	0	1	0	0	0	0	0	
## 1763	0	0	1	0	0	0	0	0	0	1	0	
## 1764	0	0	0	1	0	1	0	0	0	0	0	
## 1765	0	0	0	1	0	0	1	0	0	0	0	
## 1766	0	0	0	0	ø	0	0	1	0	0	0	
## 1767	0	0	0	0	0	1	0	0	0	0	0	
## 1768	0	0	0	0	0	0	1	0	0	0	0	
## 1769	0	0	0	0	0	0	1	0	0	0	0	
## 1770	0	0	0	0	0	0	0	0	1	0	0	
## 1771	1	0	0	0	0	0	0	0	0	1	0	
## 1772	1	0	0	0	0	0	0	0	1	0	0	
## 1773	0	1	0	0	0	0	0	0	0	1	0	
## 1774	0			0	1	0	0		0	0		
		1	0					0			0	
## 1775	0	0	1	0	0	0	0	0	0	0	1	
## 1776	0	0	1	0	0	0	0	0	0	0	1	
## 1777	0	0	0	1	0	1	0	0	0	0	0	
## 1778	0	0	0	1	0	0	1	0	0	0	0	
## 1779	0	0	0	0	1	0	0	0	0	0	0	
## 1780	0	0	0	0	0	0	0	1	0	0	0	
## 1781		0	0	ø	ø	0	0	1	0	0	0	
	0											
## 1782	0	0	0	0	0	0	0	0	1	0	0	
## 1783	0	0	0	0	0	0	0	0	1	0	0	
## 1784	0	0	0	0	0	0	0	0	1	0	0	
## 1785	1	0	0	0	0	0	0	1	0	0	0	
## 1786	1	0	0	0	0	0	0	0	0	0	1	
## 1787	0	1	0	0	0	0	0	0	0	1	0	
## 1788	0		0	0	0	0	0			0	1	
		1						0	0			
## 1789	0	0	1	0	1	0	0	0	0	0	0	
## 1790	0	0	1	0	0	0	0	0	0	0	1	
## 1791	0	0	0	1	0	0	0	0	0	0	1	
## 1792	0	0	0	0	0	1	0	0	0	0	0	
## 1793	0	0	0	1	0	0	1	0	0	0	0	
## 1794	0	0	0	0	ø	0	1	0	0	0	0	
## 1795								1				
	0	0	0	0	0	0	0		0	0	0	
## 1796	0	0	0	0	0	0	0	0	1	0	0	
## 1797	0	0	0	0	0	0	0	1	0	0	0	

##	1798	0	0	0	0	0	0	0	1	0	0	0
##	1799	1	0	0	0	0	0	0	0	0	1	0
##	1800	1	0	0	0	0	0	0	0	1	0	0
	1801	0	0	1	0	0	0	0	0	0	1	0
	1802	0	0	0	1	0	0	0	0	0	0	1
	1803	0	0	0	0	0	0	1	0	0	0	0
##	1804	0	0	0	0	0	0	1	0	0	0	0
##	1805	0	0	0	0	0	0	0	1	0	0	0
##	1806	0	0	0	0	0	0	1	0	0	0	0
	1807	0	0	0	0	0	0	0	1	0	0	0
	1808	0	0	0	0	0	0	0	0	1	0	0
	1809	1	0	0	0	0	0	0	0	0	0	1
	1810	1	0	0	0	0	0	0	0	0	0	1
##	1811	0	1	0	0	0	0	0	0	0	1	0
##	1812	0	0	1	0	0	0	0	0	0	0	1
##	1813	0	0	1	0	0	0	0	0	0	1	0
	1814	0	0	0	1	0	1	0	0	0	0	0
	1815	0	0	0	1	1	0	0	0	0	0	0
	1816	0	0	0	0	1	0	0	0	0	0	0
	1817	0	0	0	0	0	0	0	0	1	0	0
##	1818	0	0	0	0	0	0	0	1	0	0	0
##	1819	1	0	0	0	0	0	0	0	0	1	0
##	1820	1	0	0	0	0	0	0	0	0	1	0
	1821	0	0	1	0	1	0	0	0	0	0	0
	1822	0	0	0	1	0	0	1	0	0	0	0
	1823	0	0	0	1	0	1	0	0	0	0	0
	1824	0	0	0	0	0	0	0	1	0	0	0
##	1825	0	0	0	0	0	0	0	0	1	0	0
##	1826	1	0	0	0	0	0	0	0	0	1	0
##	1827	0	0	0	0	0	0	0	1	0	0	0
##	1828	0	1	0	0	0	0	0	0	0	0	1
	1829	0	0	1	0	0	0	0	0	0	1	0
	1830	0	0	1	0	1	0	0	0	0	0	0
	1831	0	0	1	0	0	1	0	0	0	0	0
	1832	0	1	0	0	0	0	0	0	0	0	1
##	1833	0	0	0	0	0	0	1	0	0	0	0
##	1834	0	0	0	0	0	0	0	1	0	0	0
	1835	0	0	0	0	0	0	0	0	0	1	0
	1836	1	0	0	0	0	0	0	0	0	0	1
	1837	0	1	0	0	0	0	0	0	0	0	1
	1838	0	1	0	0	0	0	0	0	0	0	1
	1839	0	0	0	1	0	1	0	0	0	0	0
	1840	0	0	0	1	1	0	0	0	0	0	0
##	1841	0	0	0	1	0	1	0	0	0	0	0
##	1842	0	0	0	0	0	0	0	1	0	0	0
	1843	0	0	0	0	0	0	0	1	0	0	0
	1844	0	0	0	0	0	0	1	0	0	0	0
	1845	0	0	0	0	0	0	0	1	0	0	0
	1846	0	0	0	0	0	0	1	0	0	0	0
##	1847	0	0	0	0	0	0	0	1	0	0	0

## 1849 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0	##	10/10	ρ	ρ	1	0	1	0	0	0	0	α	0	
## 1850 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	1	0	1	0	0	0	0	0	0	
## 1851														
## 1 0.0000000000 ## 3 0.0000000000 ## 4 0.0000000000 ## 4 0.0000000000 ## 5 0.0000000000 ## 6 0.0000000000 ## 7 0.0000000000 ## 8 0.0000000000 ## 8 0.0000000000 ## 8 0.0000000000 ## 10 0.0000000000 ## 11 0.0000000000 ## 12 0.0000000000 ## 12 0.0000000000 ## 12 0.0000000000 ## 13 0.0000000000 ## 14 0.0000000000 ## 15 0.0000000000 ## 15 0.0000000000 ## 15 0.0000000000 ## 16 0.0000000000 ## 17 0.0000000000 ## 18 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 20 0.0000000000 ## 20 0.0000000000 ## 21 0.0000000000 ## 22 0.0000000000 ## 25 0.0000000000 ## 25 0.0000000000 ## 25 0.0000000000 ## 25 0.0000000000 ## 25 0.0000000000 ## 28 0.0000000000 ## 28 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 32 0.0000000000 ## 33 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 31 0.0000000000 ## 33 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 37 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 31 0.00000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.00000000000 ## 36 0.0000000000 ## 37 0.00000000000 ## 38 0.00000000000 ## 39 0.0000000000 ## 30 0.0000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 33 0.00000000000 ## 34 0.00000000000 ## 35 0.00000000000 ## 37 0.00000000000 ## 38 0.00000000000 ## 39 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.000000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.000000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.0000000000000000000000000000000000														
## 1 0.0000000000 ## 2 0.0000000000 ## 3 0.0000000000 ## 5 0.0000000000 ## 5 0.0000000000 ## 7 0.0000000000 ## 7 0.0000000000 ## 8 0.0000000000 ## 8 0.0000000000 ## 8 0.0000000000 ## 10 0.0000000000 ## 11 0.0000000000 ## 11 0.0000000000 ## 12 0.0000000000 ## 13 0.0000000000 ## 14 10.0000000000 ## 15 0.0000000000 ## 15 0.0000000000 ## 16 0.0000000000 ## 17 0.0000000000 ## 18 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 10 0.0000000000 ## 10 0.0000000000 ## 12 0.0000000000 ## 21 0.0000000000 ## 22 0.0000000000 ## 22 0.0000000000 ## 24 0.0000000000 ## 25 0.0000000000 ## 26 0.0000000000 ## 27 0.0000000000 ## 28 0.0000000000 ## 29 0.0000000000 ## 29 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 32 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 36 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 32 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 37 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 32 0.00000000000 ## 33 0.0000000000 ## 34 0.00000000000 ## 35 0.00000000000 ## 37 0.00000000000 ## 38 0.00000000000 ## 39 0.0000000000 ## 30 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.0000000000000000000000000000000000		1001	О		О	0	0	0	0	0	1	О	О	
## 2 0.0000000000 ## 3 0.0000000000 ## 5 0.0000000000 ## 5 0.0000000000 ## 6 0.0000000000 ## 7 0.0000000000 ## 8 0.0000000000 ## 8 0.0000000000 ## 10 0.0000000000 ## 11 0.0000000000 ## 11 0.0000000000 ## 12 0.0000000000 ## 13 0.0000000000 ## 14 0.0000000000 ## 15 0.0000000000 ## 16 0.0000000000 ## 17 0.0000000000 ## 17 0.0000000000 ## 18 18 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 20 0.0000000000 ## 21 0.0000000000 ## 22 0.0000000000 ## 23 0.0000000000 ## 24 0.0000000000 ## 25 0.0000000000 ## 26 0.0000000000 ## 27 0.0000000000 ## 28 0.0000000000 ## 29 0.0000000000 ## 29 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 36 0.0000000000 ## 37 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 37 0.0000000000 ## 39 0.0000000000 ## 30 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 36 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 30 0.0000000000 ## 30 0.0000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.0000000000000000000000000000000000		4	0 00000											
## 3														
## 4 0.000000000 ## 5 0.0000000000 ## 7 0.0000000000 ## 7 0.0000000000 ## 8 0.0000000000 ## 10 0.0000000000 ## 10 0.0000000000 ## 11 0.0000000000 ## 11 0.0000000000 ## 11 0.0000000000 ## 13 0.0000000000 ## 14 0.0000000000 ## 15 0.0000000000 ## 16 0.0000000000 ## 17 0.0000000000 ## 17 0.0000000000 ## 18 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 20 0.0000000000 ## 21 0.0000000000 ## 23 0.0000000000 ## 24 0.0000000000 ## 25 0.0000000000 ## 27 0.0000000000 ## 28 0.0000000000 ## 29 0.0000000000 ## 29 0.0000000000 ## 30 0.0000000000 ## 31 0.0114942529 ## 32 0.0000000000 ## 33 0.0000000000 ## 33 0.0000000000 ## 35 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 30 0.0000000000 ## 31 0.0114942529 ## 32 0.0000000000 ## 33 0.0000000000 ## 35 0.0000000000 ## 36 0.0000000000 ## 37 0.00000000000 ## 38 0.00000000000 ## 39 0.00000000000 ## 39 0.00000000000 ## 30 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 33 0.00000000000 ## 34 0.00000000000 ## 35 0.00000000000 ## 37 0.00000000000 ## 39 0.00000000000 ## 39 0.00000000000 ## 30 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 32 0.000000000000 ## 33 0.000000000000 ## 34 0.00000000000 ## 35 0.00000000000 ## 37 0.00000000000 ## 38 0.00000000000 ## 39 0.00000000000 ## 30 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.0000000000000000000000000000000000														
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## 17	##	<b>1</b> 5	0.00000	00000										
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## 19	##	17	0.00000	00000										
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## 43 0.0000000000 ## 44 0.000000000														
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```
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```

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```

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         0.0000000000
## 1842
         0.0000000000
## 1843
         0.0000000000
##
   1844
         0.0000000000
## 1845
         0.0000000000
```

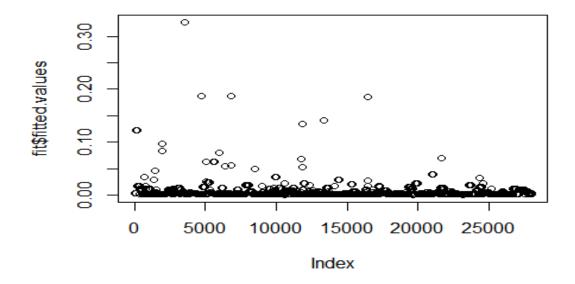
```
## 1846 0.0000000000
## 1847 0.0000000000
## 1848 0.0000000000
## 1849 0.0000000000
## 1850 0.0000000000
## 1851 0.0000000000
## [ reached getOption("max.print") -- omitted 39097 rows ]
names(Features norm)
                              "X0"
##
  [1] "X634995"
                                                     "X463"
## [4] "X1"
                              "X0.0"
                                                     "X806.0"
                                                     "X70.49513846124168"
## [7] "X11.291044776119403" "X1.0"
## [10] "X0.0.1"
                              "X806.0.1"
                                                     "X7.574626865671642"
## [13] "X0.0.2"
                              "X69.435826365571"
                                                     "X0.0.3"
                              "X2.6044776119402986" "X0.0.4"
## [16] "X76.0"
## [19] "X8.50550186882253"
                              "X0.0.5"
                                                     "X806.0.2"
## [22] "X10.649253731343284" "X1.0.1"
                                                     "X70.25478763764251"
## [25] "X.69.0"
                              "X806.0.3"
                                                     "X4.970149253731344"
## [28] "X0.0.6"
                              "X69.85058043098057"
                                                     "X0.1"
## [31] "X0.2"
                              "X0.3"
                                                     "X0.4"
## [34] "X0.5"
                              "X65"
                                                     "X166"
## [37] "X2"
                              "X0.6"
                                                     "X24"
## [40] "X0.7"
                              "X0.8"
                                                     "X0.9"
## [43] "X1.1"
                              "X0.10"
                                                     "X0.11"
## [46] "X0.12"
                              "X0.13"
                                                     "X0.14"
## [49] "X0.15"
                              "X0.16"
                                                     "X0.17"
                              "X1.2"
                                                     "X0.19"
## [52] "X0.18"
Features_Train<-Features_norm[1:28003,]</pre>
Features_Test<-Features_norm[28004:40948,]
library(neuralnet)
model<-glm(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.291044776119403+X1.0+X70.
49513846124168+X0.0.1+X806.0.1+X7.574626865671642+X0.0.2+X69.435826365571+X0.
0.3+X76.0+X2.6044776119402986+X0.0.4+X8.50550186882253+X0.0.5+X806.0.2+X10.64
9253731343284+X1.0.1+X70.25478763764251+X.69.0+X806.0.3+X4.970149253731344,da
ta = Features_Train, family = binomial)
## Warning in eval(family$initialize): non-integer #successes in a binomial
## glm!
model
##
          glm(formula = X0.19 ~ X634995 + X0 + X463 + X1 + X0.0 + X806.0 +
       X11.291044776119403 + X1.0 + X70.49513846124168 + X0.0.1 +
##
##
       X806.0.1 + X7.574626865671642 + X0.0.2 + X69.435826365571 +
       X0.0.3 + X76.0 + X2.6044776119402986 + X0.0.4 + X8.50550186882253 +
##
##
       X0.0.5 + X806.0.2 + X10.649253731343284 + X1.0.1 + X70.25478763764251
```

```
X.69.0 + X806.0.3 + X4.970149253731344, family = binomial,
##
       data = Features Train)
##
## Coefficients:
           (Intercept)
                                    X634995
                                                               X0
##
##
               -8.1890
                                    15.1657
                                                           0.6445
##
                  X463
                                         X1
                                                             X0.0
##
              -23.2171
                                    -0.7102
                                                         -26.2338
##
                X806.0 X11.291044776119403
                                                             X1.0
##
                2.0551
                                   157.0660
                                                           4.4092
   X70.49513846124168
                                                         X806.0.1
##
                                     X0.0.1
##
               -8.4151
                                    -10.0358
                                                          -6.5078
##
    X7.574626865671642
                                     X0.0.2
                                                X69.435826365571
##
               10.7507
                                    12.4957
                                                           3.7177
##
                X0.0.3
                                      X76.0
                                             X2.6044776119402986
##
              -11.5462
                                     4.2625
                                                           1.7392
##
                X0.0.4
                          X8.50550186882253
                                                           X0.0.5
##
               -4.4118
                                    -6.5585
                                                          18.3120
              X806.0.2 X10.649253731343284
##
                                                           X1.0.1
##
               -1.0349
                                  -113.9644
                                                         -23.7730
##
   X70.25478763764251
                                     X.69.0
                                                         X806.0.3
##
                                     3.4798
                                                           5.6877
                8.9179
##
   X4.970149253731344
##
##
## Degrees of Freedom: 28002 Total (i.e. Null); 27976 Residual
## Null Deviance:
                        734.5
## Residual Deviance: 505.6 AIC: 498.2
summary(model)
##
## Call:
## glm(formula = X0.19 \sim X634995 + X0 + X463 + X1 + X0.0 + X806.0 +
       X11.291044776119403 + X1.0 + X70.49513846124168 + X0.0.1 +
##
       X806.0.1 + X7.574626865671642 + X0.0.2 + X69.435826365571 +
##
##
       X0.0.3 + X76.0 + X2.6044776119402986 + X0.0.4 + X8.50550186882253 +
       X0.0.5 + X806.0.2 + X10.649253731343284 + X1.0.1 + X70.25478763764251
##
       X.69.0 + X806.0.3 + X4.970149253731344, family = binomial,
       data = Features Train)
##
##
## Deviance Residuals:
        Min
                         Median
                                    30
                                                Max
##
                   10
## -0.59736 -0.07115
                       -0.05908
                                -0.02997
                                             2.59350
## Coefficients: (1 not defined because of singularities)
##
                        Estimate Std. Error z value Pr(>|z|)
                                     2.0025 -4.089 4.33e-05 ***
## (Intercept)
                         -8.1890
## X634995
                                               2.130 0.03317 *
                         15.1657
                                     7.1199
```

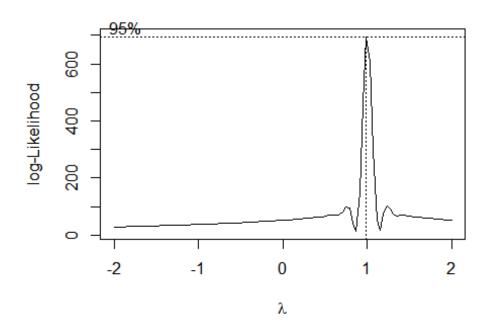
```
## X0
                          0.6445
                                     0.7299
                                              0.883
                                                      0.37721
## X463
                                     8.4336
                                                      0.00591 **
                        -23.2171
                                              -2.753
## X1
                         -0.7102
                                     0.6881
                                              -1.032
                                                      0.30200
## X0.0
                        -26.2338
                                              -0.371
                                                      0.71039
                                    70.6481
## X806.0
                          2.0551
                                     4.4873
                                              0.458
                                                      0.64696
## X11.291044776119403
                                   110.2234
                                               1.425
                                                      0.15416
                        157.0660
## X1.0
                          4.4092
                                    47.7658
                                              0.092
                                                      0.92645
## X70.49513846124168
                                    20.2766
                                              -0.415
                         -8.4151
                                                      0.67813
## X0.0.1
                                    23.2964
                                              -0.431
                        -10.0358
                                                      0.66662
                                              -1.417
## X806.0.1
                         -6.5078
                                     4.5938
                                                      0.15658
## X7.574626865671642
                         10.7507
                                    35.1815
                                              0.306
                                                      0.75993
## X0.0.2
                         12.4957
                                    18.7866
                                              0.665
                                                      0.50596
## X69.435826365571
                          3.7177
                                     4.9712
                                              0.748
                                                      0.45455
## X0.0.3
                        -11.5462
                                    19.7890
                                              -0.583
                                                      0.55958
## X76.0
                          4.2625
                                     2.3504
                                              1.813
                                                      0.06976 .
## X2.6044776119402986
                          1.7392
                                     6.1798
                                              0.281
                                                      0.77838
## X0.0.4
                         -4.4118
                                     5.1254
                                              -0.861
                                                      0.38937
## X8.50550186882253
                         -6.5585
                                     5.5094
                                              -1.190
                                                      0.23388
## X0.0.5
                         18.3120
                                    64.8921
                                              0.282
                                                      0.77780
## X806.0.2
                         -1.0349
                                     4.4386
                                              -0.233
                                                      0.81564
## X10.649253731343284 -113.9644
                                    86.4334
                                              -1.319
                                                      0.18733
## X1.0.1
                        -23.7730
                                    34.6937
                                             -0.685
                                                      0.49320
## X70.25478763764251
                                    19.8051
                                                      0.65250
                          8.9179
                                              0.450
## X.69.0
                          3.4798
                                     4.0256
                                              0.864
                                                      0.38736
## X806.0.3
                          5.6877
                                     4.8682
                                               1.168
                                                      0.24267
## X4.970149253731344
                              NA
                                         NA
                                                 NA
                                                           NA
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## (Dispersion parameter for binomial family taken to be 1)
##
       Null deviance: 734.54 on 28002
                                        degrees of freedom
## Residual deviance: 505.64 on 27976 degrees of freedom
## AIC: 498.16
##
## Number of Fisher Scoring iterations: 9
predict<-predict(model)</pre>
head(predict)
## -5.584117 -5.584117 -5.584117 -5.584117 -5.584117
fit <-glm(X0.19\sim X634995+X0+X463+X1+X0.0+X806.0+X11.291044776119403+X1.0+X70.
49513846124168+X0.0.1+X806.0.1+X7.574626865671642+X0.0.2+X69.435826365571+X0.
0.3+X76.0+X2.6044776119402986+X0.0.4+X8.50550186882253+X0.0.5+X806.0.2+X10.64
9253731343284+X1.0.1+X70.25478763764251+X.69.0+X806.0.3+X4.970149253731344,da
ta = Features Train, family = binomial(link='logit'))
## Warning in eval(family$initialize): non-integer #successes in a binomial
## glm!
```

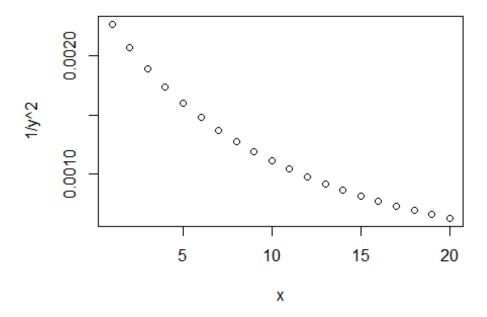
```
summary(fit)
## Call:
## glm(formula = X0.19 \sim X634995 + X0 + X463 + X1 + X0.0 + X806.0 +
##
       X11.291044776119403 + X1.0 + X70.49513846124168 + X0.0.1 +
##
       X806.0.1 + X7.574626865671642 + X0.0.2 + X69.435826365571 +
##
       X0.0.3 + X76.0 + X2.6044776119402986 + X0.0.4 + X8.50550186882253 +
##
       X0.0.5 + X806.0.2 + X10.649253731343284 + X1.0.1 + X70.25478763764251
       X.69.0 + X806.0.3 + X4.970149253731344, family = binomial(link = "logi
##
##
       data = Features Train)
## Deviance Residuals:
        Min
                   10
                          Median
##
## -0.59736 -0.07115
                        -0.05908
                                 -0.02997
                                              2.59350
##
## Coefficients: (1 not defined because of singularities)
                         Estimate Std. Error z value Pr(>|z|)
##
## (Intercept)
                                      2.0025
                                               -4.089 4.33e-05 ***
                          -8.1890
## X634995
                          15.1657
                                      7.1199
                                                2.130
                                                       0.03317 *
## X0
                                      0.7299
                                                       0.37721
                           0.6445
                                               0.883
## X463
                         -23.2171
                                      8.4336
                                              -2.753
                                                       0.00591
## X1
                          -0.7102
                                      0.6881
                                               -1.032
                                                       0.30200
## X0.0
                         -26.2338
                                     70.6481
                                               -0.371
                                                       0.71039
## X806.0
                           2.0551
                                      4.4873
                                               0.458
                                                       0.64696
## X11.291044776119403
                         157.0660
                                    110.2234
                                               1.425
                                                       0.15416
## X1.0
                           4.4092
                                     47.7658
                                               0.092
                                                       0.92645
## X70.49513846124168
                          -8.4151
                                     20.2766
                                               -0.415
                                                       0.67813
## X0.0.1
                         -10.0358
                                     23.2964
                                               -0.431
                                                       0.66662
## X806.0.1
                                      4.5938
                                               -1.417
                                                       0.15658
                          -6.5078
## X7.574626865671642
                          10.7507
                                     35.1815
                                               0.306
                                                       0.75993
## X0.0.2
                          12.4957
                                     18.7866
                                               0.665
                                                       0.50596
## X69.435826365571
                                               0.748
                           3.7177
                                      4.9712
                                                       0.45455
## X0.0.3
                         -11.5462
                                               -0.583
                                     19.7890
                                                       0.55958
## X76.0
                           4.2625
                                      2.3504
                                               1.813
                                                       0.06976 .
## X2.6044776119402986
                           1.7392
                                      6.1798
                                               0.281
                                                       0.77838
## X0.0.4
                          -4.4118
                                      5.1254
                                               -0.861
                                                       0.38937
## X8.50550186882253
                          -6.5585
                                      5.5094
                                               -1.190
                                                       0.23388
## X0.0.5
                          18.3120
                                     64.8921
                                               0.282
                                                       0.77780
## X806.0.2
                                               -0.233
                          -1.0349
                                      4.4386
                                                       0.81564
## X10.649253731343284 -113.9644
                                               -1.319
                                     86.4334
                                                       0.18733
## X1.0.1
                         -23.7730
                                     34.6937
                                               -0.685
                                                       0.49320
## X70.25478763764251
                           8.9179
                                     19.8051
                                               0.450
                                                       0.65250
## X.69.0
                           3.4798
                                      4.0256
                                               0.864
                                                       0.38736
## X806.0.3
                           5.6877
                                      4.8682
                                                1.168
                                                       0.24267
## X4.970149253731344
                               NA
                                          NA
                                                   NA
                                                            NA
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
## (Dispersion parameter for binomial family taken to be 1)
##
## Null deviance: 734.54 on 28002 degrees of freedom
## Residual deviance: 505.64 on 27976 degrees of freedom
## AIC: 498.16
## Number of Fisher Scoring iterations: 9
library(ResourceSelection)
## ResourceSelection 0.3-2 2017-02-28
hoslem.test(Features_Train$X0.19, fitted(fit))
## Hosmer and Lemeshow goodness of fit (GOF) test
## data: Features Train$X0.19, fitted(fit)
## X-squared = 14.466, df = 8, p-value = 0.07041
#plot the fitted model
plot(fit$fitted.values)
plot(Features$X24,Features$X0.19)
    3
    8
    9
    8
    30
```



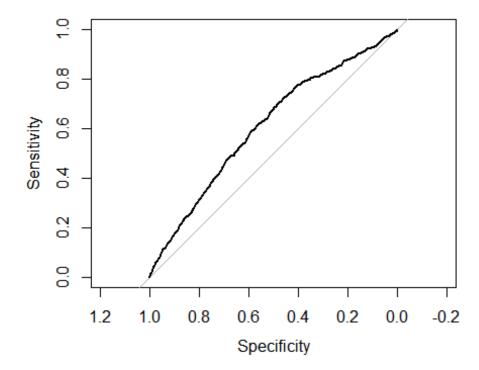
x <- 1:20
y <- 21:40
library(MASS)
boxcox(y~x)</pre>





```
#check for multicollinearity
library(car)
## Loading required package: carData
#vif(fit)
#vif(step_fit)
pred <- predict(fit,newdata = Features_Test,type = 'response')</pre>
## Warning in predict.lm(object, newdata, se.fit, scale = 1, type =
## ifelse(type == : prediction from a rank-deficient fit may be misleading
#check the AUC curve
library(pROC)
## Type 'citation("pROC")' for a citation.
##
## Attaching package: 'pROC'
## The following objects are masked from 'package:stats':
##
##
       cov, smooth, var
g <- roc(X0.19~ pred, data = Features_Test)
## Warning in roc.default(response, m[[predictors]], ...): 'response' has
## more than two levels. Consider setting 'levels' explicitly or using
## 'multiclass.roc' instead
```

```
##
## Call:
## roc.formula(formula = X0.19 ~ pred, data = Features_Test)
##
## Data: pred in 6868 controls (X0.19 0) < 1759 cases (X0.19 0.00076628352490
4215).
## Area under the curve: 0.6101
plot(g)</pre>
```



```
library(caret)
## Loading required package: lattice
## Loading required package: ggplot2
#with default prob cut 0.50
Features_Test$pred_X0.19 <- ifelse(pred<0.7,'yes','no')</pre>
table(Features_Test$pred_X0.19,Features_Test$X0.19)
##
##
            0 0.000766283524904215 0.00153256704980843 0.00229885057471264
##
     no
##
     yes 6866
                               1758
                                                     872
                                                                         515
##
```

```
0.00306513409961686 0.00383141762452107 0.00459770114942529
##
##
                      1
    no
##
                    421
                                     286
    yes
##
##
       0.0053639846743295 0.00613026819923372 0.00689655172413793
##
    no
                   200
                                    140
##
    yes
##
       0.00766283524904215 0.00842911877394636 0.00919540229885057
##
                                     0
##
    no
                                      81
##
    yes
##
    0.00996168582375479 0.010727969348659 0.0114942528735632
##
##
    no
                                  0
                                                    77
##
                     73
                                    52
    yes
##
    0.0122605363984674 0.0130268199233716 0.0137931034482759
##
##
                    0
    no
                    42
                                    43
                                                    34
##
    yes
##
     0.0145593869731801 0.0153256704980843 0.0160919540229885
##
##
          0 0 0
    no
##
                   24
                                    29
    yes
##
    0.0168582375478927 0.0176245210727969 0.0183908045977011
##
##
    no
                    36
                                    34
                                                    28
##
    yes
##
##
       0.0191570881226054 0.0199233716475096 0.0206896551724138
          0 0 0
##
    no
##
                   15
                                    23
                                                    24
    yes
##
    0.021455938697318 0.0222222222222 0.0229885057471264
##
                  0
##
    no
##
    yes
                   18
                                   25
                                                   18
##
       0.0237547892720306 0.0245210727969349 0.0252873563218391
##
          0 0
19 15
##
    no
                   19
##
                                    15
    yes
##
       0.0260536398467433  0.0268199233716475  0.0275862068965517
##
##
    no
                    0
                    15
                                    13
                                                    12
##
    yes
##
       0.0283524904214559 0.0291187739463602 0.0298850574712644
##
##
    no
                    0
                                   0
##
    yes
                    13
                                    19
##
       0.0306513409961686 0.0314176245210728 0.032183908045977
##
    no 0 0
```

##	yes	14	14	15	
##					
##		0.0329501915708812 0.6	9337164750957854	0.0344827586206897	
##	no	0	0	0	
##	yes	8	6	11	
##					
##		0.0352490421455939 0.6	3360153256704981	0 0367816091954023	
##	no	0.0332130121133333 0.0	0	0	
##	_	9	12	8	
##	yes	9	12	8	
		0 0275470027202065 0 0	2202444762452407	0 0300004507701140	
##		0.0375478927203065 0.6			
##	no	0	0	0	
##	yes	9	9	7	
##					
##		0.0398467432950192 0.6	0406130268199234	0.0413793103448276	
##	no	0	0	1	
##	yes	10	1	11	
##	-				
##		0.0421455938697318 0.6	042911877394636 0	.0436781609195402	
##	no	0	0	0	
##	yes	10	10	8	
##	,			_	
##		0.0444444444444444444444444444444444444	2452107279693487	0.0459770114942529	
##	no	0	0	0	
##	yes		7	1	
##	ycs	2	,	-	
##		0.0467432950191571 0.6	2475095785440613	0 0482758620689655	
##	no	0.040/4323301313/1 0.0	0	0.0482738020003033	
##	_		6	7	
##	yes	11	U	,	
##		0.0490421455938697 0.6	2400004201107720	0 0505747126426702	
##	no	0	0	0	
##	yes	3	4	6	
##		0.0542400064625224	252427272424	0.050070540040040	
##		0.0513409961685824 0.6			
##	no	0	0	0	
##	yes	7	2	5	
##					
##		0.053639846743295 0.05	544061302681992 0	0.0551724137931034	
##	no	0	0	0	
##	yes	7	6	4	
##					
##		0.0559386973180077 0.6	0567049808429119	0.0574712643678161	
##	no	0	1	0	
##	yes	4	1	2	
##					
##		0.0582375478927203 0.6	0590038314176245	0.0597701149425287	
##	no	0	0	0	
##	yes		3	4	
##	,	_	J		

```
0.060536398467433 0.0613026819923372 0.0620689655172414
##
##
    no
##
    yes
##
##
        0.0628352490421456 0.0636015325670498 0.064367816091954
##
    no
##
    yes
##
        0.0651340996168582 0.0659003831417625 0.0666666666666667
##
##
    no
##
    yes
##
     0.0674329501915709 0.0681992337164751 0.0689655172413793
##
##
    no
##
    yes
##
     0.0697318007662835 0.0704980842911877 0.071264367816092
##
##
    no
                        3
##
    yes
##
       0.0720306513409962 0.0727969348659004 0.0735632183908046
##
##
             0
    no
##
    yes
##
     0.0743295019157088 0.075095785440613 0.0758620689655172
##
##
    no
##
    yes
##
##
        0.0766283524904215 0.0773946360153257 0.0781609195402299
##
    no
##
    yes
##
        0.0789272030651341 0.0796934865900383 0.0804597701149425
##
##
    no
##
    yes
##
        0.0812260536398467 0.081992337164751 0.0827586206896552
##
             1
##
                                         0
    no
##
    yes
##
        0.0835249042145594 0.0842911877394636 0.0850574712643678
##
##
    no
    yes
##
##
        0.085823754789272  0.0873563218390805  0.0881226053639847
##
##
    no
               0
##
    yes
##
        0.088888888888889 0.0896551724137931 0.0904214559386973
##
```

##	yes	<u>-</u>	1	1	2
##		0 001107720462601	- A AN1NE 4A22NOOFAI	57 0.09272030651341	
## ##	no		) }	0 0.09272030051341 0 0	
##	yes		5 1	1 1	
##	ycs	•	<b>-</b>		
##		0.0934865900383142	2 0.094252873563218	34 0.09578544061302	68
##	no		9	0	0
##	yes		2	2	4
##					
##		0.096551724137931	0.0980842911877395	0.099616858237547	9
##	no	0	(		0
##	yes	1	7	<u>)</u>	2
##		0.400000444760450	0 4044404050555		
##			0.101149425287356		
## ##	no	0 2	0 1	0	
##	yes	2	Т	3	
##		0 102681992337165	0.103448275862069	0 104214559386973	
##	no	0.102001332337103	0.103440273002003	0.10-21-333300373	
##	yes	1	2	1	
##	,				
##		0.104980842911877	0.106513409961686	0.108045977011494	
##	no	0	0	0	
##	yes	1	1	1	
##					
##			0.110344827586207		
##	no	0	0	0	
## ##	yes	2	1	3	
##		0 114176245210728	0.117241379310345	0 118007662835249	
##	no	0.1141/0243210/20	0.11/2415/5510545	0.110007002033243	
##	yes	2	2	2	
##					
##		0.118773946360153	0.119540229885057	0.12183908045977	
##	no	0	0	0	
##	yes	2	1	1	
##					
##			0.124137931034483		
##	no	0	0	0	
## ##	yes	1	1	1	
##		0 128735632183908	0.129501915708812	0 130268199233716	
##	no	0.128733032183308	0.129301913708812	0.130208199233710	
##	yes	1	4	1	
##	,	_	·	_	
##		0.131034482758621	0.134865900383142	0.135632183908046	
##	no	0	0	0	
##	yes	2	1	1	
##					

```
0.137931034482759 0.142528735632184 0.143295019157088
##
##
    no
##
    yes
##
##
     0.144061302681992 0.147126436781609 0.149425287356322
##
    no
##
    yes
##
     0.150191570881226 0.154789272030651 0.15555555555555
##
              0
1
##
    no
##
    yes
##
     0.157088122605364 0.160153256704981 0.160919540229885
##
##
    no
##
    yes
##
##
     0.161685823754789 0.162452107279693 0.163218390804598
##
    no
                       1
##
    yes
##
     0.166283524904215 0.167049808429119 0.167816091954023
##
##
    no
##
    yes
##
     0.169348659003831 0.172413793103448 0.173180076628352
##
##
    no
##
    yes
##
##
        0.175478927203065 0.176245210727969 0.177011494252874
##
    no
##
    yes
##
    0.177777777777 0.180842911877395 0.187739463601533
##
##
    no
    yes
##
##
        0.190038314176245 0.190804597701149 0.192337164750958
##
            0
##
    no
##
    yes
##
     0.19463601532567 0.195402298850575 0.197701149425287
##
##
    no
    yes
##
##
        0.198467432950192 0.20536398467433 0.209961685823755
##
##
    no
##
    yes
##
        0.210727969348659 0.212260536398467 0.213793103448276
##
```

##	yes	1	1	1
## ##		Ω 21/155029607210 /	0.218390804597701 (	2 228352400421456
##	no	0.21455958697518 (	0.218390804597701 ( 0	0.228332490421436
##	yes	1	1	1
##	,			
##		0.230651340996169	0.236015325670498	0.237547892720307
##	no	0	0	0
##	yes	1	1	1
##		0 220000450770445	0 220046742205040	0 244444444444
## ##	no		0.239846743295019	
##	no yes	0 1	0 1	0 1
##	yes	1	1	_
##		0.245210727969349	0.256704980842912	0.259003831417625
##	no	1	0	0
##	yes	0	1	1
##				
##			0.26666666666667	
##	no	0	0	0
##	yes	1	1	1
## ##		A 20808/1201187720	0.314176245210728	A 326/367916AQ1QE
##	no	0.298064291167739	0.3141/6243210/28	0.320430761009193
##	yes	1	1	1
##	,	_	_	_
##		0.331800766283525	0.338697318007663	0.348659003831418
##	no	0	0	0
##	yes	1	1	1
##		0. 20160010540220	0 200072400076620	0.000000747406407
##	no		0.386973180076628	
## ##	no yes	0 1	0 1	0 1
##	yes	_	1	1
##		0.389272030651341	0.44904214559387	0.451340996168582
##	no	0	0	0
##	yes	1	1	1
##				
##			0.467432950191571	
##	no	1	0	0
## ##	yes	0	1	1
##		0.551724137931034	0.57088122605364	a.577011494252874
##	no	0.551724157551054	0.57088122005504 (	0.377011434232074
##	yes	1	1	1
##	,		<u>-</u>	
##		0.59463601532567	0.616858237547893 (	0.655938697318008
##	no	0	0	0
##	yes	1	1	1
##				

```
##
         0.704980842911877
##
                          0
     no
                          1
##
     yes
#training split of churn classes
round(table(Features Test$X0.19)/nrow(Features Train),2)*100
##
##
                       0 0.000766283524904215
                                                 0.00153256704980843
                      25
##
                                                 0.00383141762452107
##
    0.00229885057471264
                          0.00306513409961686
##
                        2
                                                                     1
    0.00459770114942529
                            0.0053639846743295
                                                 0.00613026819923372
##
##
                                                                     0
    0.00689655172413793
                          0.00766283524904215
                                                 0.00842911877394636
##
##
                       0
                                              0
                                                                     0
##
    0.00919540229885057
                           0.00996168582375479
                                                   0.010727969348659
##
##
     0.0114942528735632
                            0.0122605363984674
                                                  0.0130268199233716
##
                       0
                                              0
                                                                     0
     0.0137931034482759
                            0.0145593869731801
                                                  0.0153256704980843
##
##
##
     0.0160919540229885
                            0.0168582375478927
                                                  0.0176245210727969
##
##
     0.0183908045977011
                            0.0191570881226054
                                                  0.0199233716475096
##
                       0
                                                                     0
##
     0.0206896551724138
                             0.021455938697318
                                                  0.02222222222222
##
                       a
                                                                     0
                                              a
##
     0.0229885057471264
                            0.0237547892720306
                                                  0.0245210727969349
##
                       0
                                              0
                                                                     0
     0.0252873563218391
                            0.0260536398467433
                                                  0.0268199233716475
##
##
                       0
                                                                     0
##
     0.0275862068965517
                            0.0283524904214559
                                                  0.0291187739463602
##
                       0
                                              0
                                                                     0
##
     0.0298850574712644
                            0.0306513409961686
                                                  0.0314176245210728
##
                       a
                                              a
                                                                     a
##
      0.032183908045977
                            0.0329501915708812
                                                  0.0337164750957854
##
##
     0.0344827586206897
                            0.0352490421455939
                                                  0.0360153256704981
##
     0.0367816091954023
                            0.0375478927203065
                                                  0.0383141762452107
##
##
##
     0.0390804597701149
                            0.0398467432950192
                                                  0.0406130268199234
##
                       a
                                                                     0
                                              0
     0.0413793103448276
                            0.0421455938697318
##
                                                   0.042911877394636
##
##
     0.0436781609195402
                            0.044444444444444
                                                  0.0452107279693487
##
                       0
                                              0
                                                                     0
##
     0.0459770114942529
                            0.0467432950191571
                                                  0.0475095785440613
##
```

## ##	0.0482758620689655	0.0490421455938697 0	0.0498084291187739 0
##	0.0505747126436782	0.0513409961685824 0	0.0521072796934866 0
##	0.0528735632183908	0.053639846743295	0.0544061302681992
##	0.0551724137931034	0 0.0559386973180077	0.0567049808429119
## ##	0 0.0574712643678161	0 0.0582375478927203	0 0.0590038314176245
##	0	0	0
## ##	0.0597701149425287 0	0.060536398467433 0	0.0613026819923372 0
## ##	0.0620689655172414	0.0628352490421456 0	0.0636015325670498 0
## ##	0.064367816091954 0	0.0651340996168582 0	0.0659003831417625 0
##	0.06666666666666	0.0674329501915709	0.0681992337164751
## ##	0 0.0689655172413793	0 0.0697318007662835	0 0.0704980842911877
##	0	0	0
## ##	0.071264367816092 0	0.0720306513409962	0.0727969348659004 0
##	0.0735632183908046	0.0743295019157088	0.075095785440613
##	0.0755052185508040	0.0743233013137088	0.07505765440015
##	0.0758620689655172	0.0766283524904215	0.0773946360153257
##	0	0	0
##	0.0781609195402299	0.0789272030651341	0.0796934865900383
##	0	0	0
## ##	0.0804597701149425	0.0812260536398467 0	0.081992337164751 0
##	0.0827586206896552	0.0835249042145594	0.0842911877394636
##	0	0	0
##	0.0850574712643678	0.085823754789272	0.0873563218390805
##	0	0	0
## ##	0.0881226053639847 0	0.0888888888889 0	0.0896551724137931 0
##	0.0904214559386973	0.0911877394636015	0.0919540229885057
##	0	0	0
## ##	0.09272030651341 0	0.0934865900383142	0.0942528735632184 0
##	0.0957854406130268	0.096551724137931	0.0980842911877395
##	0	0.030331721137331	0
## ##	0.0996168582375479 0	0.100383141762452 0	0.101149425287356 0
##	0.101915708812261 0	0.102681992337165 0	0.103448275862069 0
##	0.104214559386973	0.104980842911877	0.106513409961686
## ##	0 0.108045977011494	0 0.109578544061303	0 0.110344827586207
##	0.100043377011434	0.103370344001303	0.110544827580207

## ##	0.113409961685824 0	0.114176245210728 0	0.117241379310345 0
## ##	0.118007662835249	0.118773946360153 0	0.119540229885057 0
##	0.12183908045977	0.122605363984674	0.124137931034483
##	0 0.126436781609195	0 0.128735632183908	0 0.129501915708812
## ##	0 0.130268199233716	0 0.131034482758621	0 0.134865900383142
##	0	0	0
## ##	0.135632183908046 0	0.137931034482759 0	0.142528735632184 0
## ##	0.143295019157088 0	0.144061302681992 0	0.147126436781609 0
## ##	0.149425287356322	0.150191570881226 0	0.154789272030651 0
##	0.1555555555556	0.157088122605364	0.160153256704981
## ##	0 0.160919540229885	0 0.161685823754789	0 0.162452107279693
##	0.100313340223003	0.101003023734703	0.102+3210/2/3033
##	0.163218390804598	0.166283524904215	0.167049808429119
##	0	0	0
##	0.167816091954023	0.169348659003831	0.172413793103448
##	0	0	0
##	0.173180076628352	0.175478927203065	0.176245210727969
## ##	0 0.177011494252874	0 0.177777777777	0 0.180842911877395
##	0.177011494252874	0.1////////////////////////////////////	0.100042911077393
##	0.187739463601533	0.190038314176245	0.190804597701149
##	0.10,733,103001333	0.130030311170213	0
##	0.192337164750958	0.19463601532567	0.195402298850575
##	0	0	0
##	0.197701149425287	0.198467432950192	0.20536398467433
##	0	0	0
## ##	0.209961685823755 0	0.210727969348659 0	0.212260536398467 0
##	0.213793103448276	0.21455938697318	0.218390804597701
##	0	0	0
##	0.228352490421456	0.230651340996169	0.236015325670498
##	0	0	0
##	0.237547892720307	0.239080459770115	0.239846743295019
##	0	0	0
## ##	0.24444444444444 0	0.245210727969349 0	0.256704980842912 0
## ##	0.259003831417625 0	0.262068965517241 0	0.2666666666666666666666666666666666666
## ##	0.273563218390805 0	0.298084291187739 0	0.314176245210728 0
##	0.326436781609195	0.331800766283525	0.338697318007663
##	0	0	0

##	0.348659003831418	0.381609195402299	0.386973180076628
##	0	0	0
##	0.388505747126437	0.389272030651341	0.44904214559387
##	0	0	0
##	0.451340996168582	0.46666666666667	0.467432950191571
##	0	0	0
##	0.500383141762452	0.551724137931034	0.57088122605364
##	0	0	0
##	0.577011494252874	0.59463601532567	0.616858237547893
##	0	0	0
##	0.655938697318008	0.704980842911877	
##	0	0	

## # test split of classes X0.19 round(table(Features\_Test\$X0.19)/nrow(Features\_Test),2)\*100

```
##
##
                       0 0.000766283524904215
                                                 0.00153256704980843
##
                      53
                                             14
                          0.00306513409961686
                                                 0.00383141762452107
##
    0.00229885057471264
##
                                              3
                                                                     2
##
    0.00459770114942529
                            0.0053639846743295
                                                 0.00613026819923372
##
    0.00689655172413793
                          0.00766283524904215
                                                 0.00842911877394636
##
##
                       1
                                                                     1
                                                   0.010727969348659
##
    0.00919540229885057
                           0.00996168582375479
##
                       1
##
     0.0114942528735632
                            0.0122605363984674
                                                  0.0130268199233716
##
##
     0.0137931034482759
                            0.0145593869731801
                                                  0.0153256704980843
##
##
     0.0160919540229885
                            0.0168582375478927
                                                  0.0176245210727969
##
                                                                     0
##
     0.0183908045977011
                            0.0191570881226054
                                                  0.0199233716475096
##
                       0
                                                                     0
                                              0
##
     0.0206896551724138
                             0.021455938697318
                                                  0.02222222222222
##
                       0
                                              0
                                                                     0
##
     0.0229885057471264
                            0.0237547892720306
                                                  0.0245210727969349
##
                                              0
                                                                     0
     0.0252873563218391
                                                  0.0268199233716475
##
                            0.0260536398467433
##
                       0
                                                                     0
##
     0.0275862068965517
                            0.0283524904214559
                                                  0.0291187739463602
                                              0
##
                       0
                                                                     0
##
     0.0298850574712644
                            0.0306513409961686
                                                  0.0314176245210728
##
                       0
                                              0
                                                                     0
##
      0.032183908045977
                            0.0329501915708812
                                                  0.0337164750957854
##
                       0
                                                                     0
                                              0
##
     0.0344827586206897
                            0.0352490421455939
                                                  0.0360153256704981
##
##
     0.0367816091954023
                            0.0375478927203065
                                                  0.0383141762452107
```

## ##	0 0.0390804597701149	0 0.0398467432950192	0 0.0406130268199234
## ##	0 0.0413793103448276	0 0.0421455938697318	0 0.042911877394636
##	0.0413/931034482/6	0.0421455938697318	0.042911877394636
##	0.0436781609195402	0.044444444444444	0.0452107279693487
## ##	0 0.0459770114942529	0 0.0467432950191571	0 0.0475095785440613
##	0	0	0
## ##	0.0482758620689655 0	0.0490421455938697 0	0.0498084291187739 0
##	0.0505747126436782	0.0513409961685824	0.0521072796934866
##	0	0	0
##	0.0528735632183908	0.053639846743295 0	0.0544061302681992 0
##	0.0551724137931034	0.0559386973180077	0.0567049808429119
##	0 0.0574712643678161	0 0.0582375478927203	0 0.0590038314176245
##	0.0374712043078101	0.0382373478327203	0.0390038314170243
##	0.0597701149425287	0.060536398467433	0.0613026819923372
##	0 0.0620689655172414	0 0.0628352490421456	0 0.0636015325670498
##	0	0	0
##	0.064367816091954 0	0.0651340996168582 0	0.0659003831417625 0
##	0.066666666666666	0.0674329501915709	0.0681992337164751
##	0	0	0
##	0.0689655172413793 0	0.0697318007662835 0	0.0704980842911877 0
##	0.071264367816092	0.0720306513409962	0.0727969348659004
##	0 0.0735632183908046	0 0.0743295019157088	0 0.075095785440613
## ##	0.0733032183908046	0.0743293019137088	0.075095785440013
##	0.0758620689655172	0.0766283524904215	0.0773946360153257
##	0.0781609195402299	0 0.0789272030651341	0 0.0796934865900383
##	0	0	0
## ##	0.0804597701149425 0	0.0812260536398467	0.081992337164751 0
##	0.0827586206896552	0 0.0835249042145594	0.0842911877394636
##	0	0	0
## ##	0.0850574712643678 0	0.085823754789272 0	0.0873563218390805 0
##	0.0881226053639847	0.08888888888889	0.0896551724137931
##	0	0	0
## ##	0.0904214559386973 0	0.0911877394636015 0	0.0919540229885057 0
##	0.09272030651341	0.0934865900383142 0	0.0942528735632184 0
##	0 0.0957854406130268	0.096551724137931	0.0980842911877395

##	0	0 100303141763453	0 101140425207256	
## ##	0.0996168582375479 0	0.100383141762452 0	0.101149425287356 0	
##	0.101915708812261	0.102681992337165	0.103448275862069	
##	0.1013137,00012201	0.102001332337103	0	
##	0.104214559386973	0.104980842911877	0.106513409961686	
##	0	0	0	
##	0.108045977011494	0.109578544061303	0.110344827586207	
##	0	0	0	
##	0.113409961685824	0.114176245210728	0.117241379310345	
## ##	0 0.118007662835249	0 0.118773946360153	0 0.119540229885057	
##	0.11000/002033249	0.110//5940500155	0.119540229665057	
##	0.12183908045977	0.122605363984674	0.124137931034483	
##	0	0	0	
##	0.126436781609195	0.128735632183908	0.129501915708812	
##	0	0	0	
##	0.130268199233716	0.131034482758621	0.134865900383142	
##	0 12562210200016	0	0	
##	0.135632183908046	0.137931034482759	0.142528735632184 0	
## ##	0 0.143295019157088	0 0.144061302681992	0.147126436781609	
##	0.143233013137000	0.144001302001332	0.147120430701003	
##	0.149425287356322	0.150191570881226	0.154789272030651	
##	0	0	0	
##	0.15555555555556	0.157088122605364	0.160153256704981	
##	0	0	0	
##	0.160919540229885	0.161685823754789	0.162452107279693	
## ##	0 0.163218390804598	0 0.166283524904215	0 0.167049808429119	
##	0.103210330004330	0.100203324304213	0.10/04/808429119	
##	0.167816091954023	0.169348659003831	0.172413793103448	
##	0	0	0	
##	0.173180076628352	0.175478927203065	0.176245210727969	
##	0	0	0	
##	0.177011494252874	0.17777777777778	0.180842911877395	
## ##	0 0.187739463601533	0 0.190038314176245	0 0.190804597701149	
##	0.10//39403001333	0.1900363141/6243	0.190604597701149	
##	0.192337164750958	0.19463601532567	0.195402298850575	
##	0	0	0	
##	0.197701149425287	0.198467432950192	0.20536398467433	
##	0	0	0	
##	0.209961685823755	0.210727969348659	0.212260536398467	
##	0 212702102440276	0 21455020607210	0	
## ##	0.213793103448276 0	0.21455938697318 0	0.218390804597701 0	
##	0.228352490421456	0.230651340996169	0.236015325670498	
##	0.220332430421430	0.230031340330103	0.230013323070430	
##	0.237547892720307	0.239080459770115	0.239846743295019	

```
##
##
      0.24444444444444
                            0.245210727969349
                                                  0.256704980842912
##
##
      0.259003831417625
                            0.262068965517241
                                                  0.26666666666667
##
                       0
                                             0
                                                                   0
##
      0.273563218390805
                            0.298084291187739
                                                  0.314176245210728
##
##
      0.326436781609195
                            0.331800766283525
                                                  0.338697318007663
##
##
      0.348659003831418
                            0.381609195402299
                                                  0.386973180076628
##
##
      0.388505747126437
                            0.389272030651341
                                                   0.44904214559387
##
                                                                   0
##
      0.451340996168582
                            0.4666666666666
                                                  0.467432950191571
##
      0.500383141762452
                            0.551724137931034
                                                   0.57088122605364
##
##
##
      0.577011494252874
                             0.59463601532567
                                                  0.616858237547893
##
                                                                   0
##
      0.655938697318008
                            0.704980842911877
##
                       0
                                             0
#predicted split of churn classes
round(table(Features_Test$pred_X0.19)/nrow(Features_Test),2)*100
##
##
    no yes
##
     0 100
#create confusion matrix
#confusionMatrix(churnTest$churn, churnTest$pred_churn)
#create confusion matrix
#confusionMatrix(Features_Test$X0.19, Features_Test$pred_X0.19)
# Load Libraries
library(caret)
library(rpart)
#na.action = na.roughfix
# define training control
train control<- trainControl(method="cv", number=10)</pre>
# train the model
#na.pass(Features_Train$X0.19)
library(nlme)
```

```
#model<- train(X0.19 ~., data=Features Train, trControl=train control,na.acti
on = na.pass, method="qlm")
# make predictions
predictions<- predict(model, Features Test)</pre>
## Warning in predict.lm(object, newdata, se.fit, scale = 1, type =
## ifelse(type == : prediction from a rank-deficient fit may be misleading
# append predictions
pred<- cbind(Features_Test,predictions)</pre>
pred
##
              X634995
                                X0
                                           X463
                                                        X1
                                                                   X0.0
## 28004 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28005 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28006 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28007 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28008 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28009 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28010 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28011 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28012 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28013 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28014 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28015 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28016 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28017 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28018 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28019 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28020 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28021 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28022 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28023 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28024 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28025 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28026 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28027 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28028 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28029 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28030 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28031 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28032 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28033 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28034 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28035 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28036 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28037 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28038 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28039 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
```

```
## 28040 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28041 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28042 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28043 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28044 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28045 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28046 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28047 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28048 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28049 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28050 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28051 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28052 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28053 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28054 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28055 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28056 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28057 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28058 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28059 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28060 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28061 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28062 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28063 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28064 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28065 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28066 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28067 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28068 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28069 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28070 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28071 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28072 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28073 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28074 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28075 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28076 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28077 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28078 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28079 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28080 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28081 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28082 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28083 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28084 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28085 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28086 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28087 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28088 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28089 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
```

```
## 28090 4.109394e-03 0.000000e+00 1.729081e-04 0.00952381 0.0000000000
## 28091 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28092 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28093 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28094 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28095 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28096 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28097 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28098 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28099 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.00000000000
## 28100 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28101 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28102 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28103 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28104 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28105 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28106 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28107 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28108 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28109 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28110 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28111 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28112 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.00000000000
## 28113 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28114 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28115 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28116 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28117 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28118 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28119 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28120 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28121 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28122 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28123 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28124 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.00000000000
## 28125 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28126 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28127 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28128 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28129 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28130 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28131 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28132 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28133 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28134 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28135 3.021938e-05 5.145141e-02 1.458142e-04 0.24761905 0.0000000000
## 28136 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28137 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28138 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28139 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
```

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## 28140 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28141 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28142 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28143 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28144 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28145 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28146 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28147 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28148 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28149 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28150 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28151 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28152 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28153 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28154 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28155 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28156 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28157 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28158 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28159 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28160 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28161 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28162 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28163 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28164 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28165 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28166 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28167 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28168 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28169 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
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## 28171 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
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## 28623 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
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## 28633 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
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## 28637 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28638 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28639 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
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## 28642 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28643 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28644 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
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## 28647 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28648 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
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## 28678 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
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## 28683 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
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## 28685 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28686 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
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## 28688 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28689 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
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## 28690 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
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## 28692 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28693 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28694 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
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## 28737 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28738 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28739 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
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## 28740 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
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## 28771 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
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## 28778 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28779 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28780 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
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## 28782 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28783 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28784 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28785 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28786 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28787 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28788 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28789 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
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## 28790 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
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## 28792 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28793 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28794 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28795 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28796 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28797 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
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## 28800 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28801 3.602423e-04 0.000000e+00 8.672332e-03 0.06666667 0.0012815036
## 28802 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28803 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28804 3.602423e-04 0.000000e+00 8.672332e-03 0.06666667 0.0012815036
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## 28817 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28818 3.602423e-04 0.000000e+00 8.672332e-03 0.06666667 0.0012815036
## 28819 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
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## 28822 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
## 28823 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
## 28824 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
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## 28827 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
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## 28831 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28832 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
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## 28839 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
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## 28843 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
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## 28879 1.627382e-04 0.000000e+00 1.642052e-06 0.14285714 0.0000000000
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## 28896 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
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## 28902 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
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## 28907 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28908 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
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## 28911 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28912 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
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## 28938 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28939 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
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## 28940 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
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## 28959 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28960 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28961 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
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## 29536 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29537 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.00000000000
## 29538 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29539 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
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## 29650 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
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## 29693 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
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## 29739 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
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## 28759
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## 28859
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## 28481 0.0299017514 0.0336700337 0.000000000 0.0320512821 0.41683599
## 28482 0.0179410508 0.0202020202 0.000000000 0.0192307692 0.40870827
## 28483 0.0162323793 0.0182780183 0.000000000 0.0173992674 0.40754717
## 28484 0.0247757369 0.0278980279 0.000000000 0.0265567766 0.41335269
## 28485 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
## 28486 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 28487 0.0089705254 0.0101010101 0.000000000 0.0096153846 0.40261248
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## 28488 0.0303289193 0.0341510342 0.000000000 0.0325091575 0.41712627
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## 28490 0.0320375908 0.0360750361 0.000000000 0.0343406593 0.41828737
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## 28492 0.0307560871 0.0346320346 0.000000000 0.0329670330 0.41741655
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## 28494 0.5668517727 0.1168831169 0.483489097 0.4830586081 0.24179971
## 28495 0.8961982059 0.1216931217 0.406230530 0.7793040293 0.28069666
## 28496 0.5578812473 0.1784511785 0.582554517 0.5128205128 0.23280116
## 28497 0.5719777873 0.6440596441 0.000000000 0.6130952381 0.78519594
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## 28500 0.0179410508 0.0202020202 0.000000000 0.0192307692 0.40870827
## 28501 0.0226398975 0.0254930255 0.000000000 0.0242673993 0.41190131
## 28502 0.0277659120 0.0052910053 0.009345794 0.0201465201 0.39535559
## 28503 0.0542503204 0.0048100048 0.047975078 0.0531135531 0.37706821
## 28504 0.0299017514 0.0033670034 0.039252336 0.0302197802 0.38026125
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## 28513 0.0093976933 0.0004810005 0.001869159 0.0082417582 0.39593614
## 28514 0.0046988466 0.0009620010 0.003115265 0.0041208791 0.39564586
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## 28516 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
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## 28519 0.0162323793 0.0004810005 0.003115265 0.0155677656 0.39535559
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## 28526 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
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## 28529 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
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## 28533 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28535 0.0051260145 0.0000000000 0.001246106 0.0050366300 0.39593614
## 28536 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
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## 28538 0.0012815036 0.0009620010 0.000623053 0.0013736264 0.39680697
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## 28545 0.0239214011 0.0269360269 0.000000000 0.0256410256 0.41277213
## 28546 0.0034173430 0.0038480038 0.000000000 0.0036630037 0.39883890
## 28547 0.0017086715 0.0004810005 0.000623053 0.0009157509 0.39651669
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## 28552 0.0042716788 0.0000000000 0.006230530 0.0045787546 0.39361393
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## 28554 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28555 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
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## 28586 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 28587 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
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## 28588 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28589 0.0034173430 0.0000000000 0.000000000 0.0036630037 0.39651669
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## 28619 0.0017086715 0.0000000000 0.002492212 0.0018315018 0.39535559
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## 28638 0.0444254592 0.0192400192 0.039875389 0.0384615385 0.38955007
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## 28641 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
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## 28659 0.0038445109 0.0043290043 0.000000000 0.0041208791 0.39912917
## 28660 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
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## 28663 0.0205040581 0.0230880231 0.000000000 0.0219780220 0.41044993
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## 28665 0.0025630073 0.0000000000 0.001869159 0.0027472527 0.39564586
## 28667 0.0064075182 0.0033670034 0.004984424 0.0059523810 0.39622642
## 28670 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28671 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28672 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28675 0.0021358394 0.0009620010 0.001246106 0.0013736264 0.39651669
## 28676 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
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## 28686 0.0012815036 0.0004810005 0.001246106 0.0009157509 0.39622642
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## 28692 0.0004271679 0.0000000000 0.00000000 0.0004578755 0.39651669
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## 28700 0.0008543358 0.0000000000 0.000000000 0.0009157509 0.39651669
## 28704 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28706 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 28713 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28724 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
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## 28742 0.2174284494 0.0115440115 0.130841121 0.2147435897 0.34252540
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## 28744 0.0064075182 0.0033670034 0.004984424 0.0068681319 0.39622642
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## 28751 0.2507475438 0.0076960077 0.059813084 0.2449633700 0.37329463
## 28752 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 28753 0.3447244767 0.0115440115 0.066043614 0.3099816850 0.37271408
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## 28757 0.0572404955 0.0163540164 0.062305296 0.0499084249 0.37735849
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## 28781 0.0008543358 0.0004810005 0.000623053 0.0004578755 0.39651669
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## 28786 0.3276377616 0.0086580087 0.177570093 0.3415750916 0.31901306
## 28787 0.1003844511 0.0033670034 0.142056075 0.1043956044 0.33236575
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## 28788 0.1794105083 0.0163540164 0.240498442 0.1881868132 0.29433962
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## 28790 0.0764630500 0.0024050024 0.108411215 0.0805860806 0.34746009
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## 28792 0.0081161897 0.0091390091 0.000000000 0.0086996337 0.40203193
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## 28794 0.0089705254 0.0101010101 0.000000000 0.0096153846 0.40261248
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## 28797 0.0563861598 0.0009620010 0.031775701 0.0586080586 0.38229318
## 28798 0.1841093550 0.0033670034 0.080373832 0.1826923077 0.36110305
## 28799 0.0307560871 0.0028860029 0.003738318 0.0279304029 0.39651669
## 28800 0.0580948313 0.0048100048 0.009345794 0.0558608059 0.39506531
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## 29637 0.1012387868 0.0000000000 0.004984424 0.1048534799 0.39419448
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## 29655 0.0247757369 0.0278980279 0.000000000 0.0265567766 0.41335269
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## 29659 0.4237505340 0.0072150072 0.057320872 0.4281135531 0.37416546
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## 28007 0.88888889 1.904097e-02 0.000000e+00
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## 28069 0.69444444 3.491620e-03 0.000000e+00
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## 28070 1.00000000 1.056797e-02 2.070979e-05
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## 28101 0.72222222 0.000000e+00 0.000000e+00
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## 28111 0.00000000 1.261639e-02 0.000000e+00
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## 28116 0.33333333 0.000000e+00 0.000000e+00
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## 28123 0.69444444 7.448790e-04 0.000000e+00
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## 28227 0.63888889 4.608939e-03 0.000000e+00
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## 28234 0.43055556 7.635009e-03 6.903265e-06
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## 28237 0.13888889 7.029795e-03 1.380653e-05
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## 28239 0.72222222 3.901304e-02 0.000000e+00
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## 28240 0.41666667 3.258845e-03 1.518718e-04
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## 28241 0.29166667 1.261639e-02 0.000000e+00
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## 28242 0.79166667 4.501862e-02 0.000000e+00
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## 28244 0.41666667 3.729050e-02 0.000000e+00
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## 28245 0.97222222 4.073557e-02 6.903265e-06
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## 28246 0.61111111 1.475791e-02 1.587751e-04
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## 28247 0.70833333 0.000000e+00 1.380653e-05
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## 28248 0.04166667 2.797952e-02 0.000000e+00
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## 28251 0.65277778 8.007449e-03 6.903265e-06
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## 28262 0.06944444 1.308194e-02 0.000000e+00
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## 28290 0.41666667 0.000000e+00 0.000000e+00
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## 28301 0.80555556 0.000000e+00 6.489069e-04
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## 28313 0.47222222 0.000000e+00 4.349057e-04
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## 28314 0.27777778 2.560521e-03 6.834232e-04
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## 28317 0.05555556 4.748603e-03 3.451632e-04
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## 28351 0.22222222 0.000000e+00 0.000000e+00
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## 28388 0.11111111 3.538175e-03 0.000000e+00
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## 28389 0.76388889 1.582868e-03 1.380653e-05
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## 28390 0.25000000 0.000000e+00 6.903265e-06
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## 28391 0.58333333 5.540037e-03 0.000000e+00
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## 28392 0.98611111 0.000000e+00 0.000000e+00
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## 28393 0.58333333 1.489758e-03 0.000000e+00
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## 28394 0.47222222 4.748603e-03 0.000000e+00
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## 28395 0.76388889 2.420857e-03 0.000000e+00
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## 28396 0.84722222 9.776536e-04 6.903265e-06
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## 28397 0.37500000 9.590317e-03 0.000000e+00
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## 28398 0.83333333 2.886406e-03 0.000000e+00
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  28399 0.25000000 4.189944e-03 0.000000e+00
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   28400 0.19444444 1.443203e-03 0.000000e+00
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## 28401 0.68055556 7.029795e-03 0.000000e+00
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## 28402 0.73611111 4.748603e-03 0.000000e+00
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## 28403 0.69444444 3.910615e-03 0.000000e+00
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## 28404 0.81944444 2.094972e-03 0.000000e+00
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## 28405 0.05555556 2.560521e-03 0.000000e+00
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## 28406 0.84722222 2.932961e-03 0.000000e+00
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## 28407 0.76388889 2.746741e-03 0.000000e+00
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  28408 0.15277778 5.074488e-03 0.000000e+00
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  28409 0.65277778 4.422719e-03 0.000000e+00
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## 28412 0.2222222 2.700186e-03 1.380653e-05
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## 28413 0.06944444 6.005587e-03 6.903265e-06
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## 28419 0.72222222 1.443203e-03 0.000000e+00
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## 28451 0.27777778 4.143389e-03 6.489069e-04
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## 28455 0.41666667 6.284916e-03 5.522612e-04
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## 28465 0.38888889 5.633147e-03 2.830338e-04
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## 28471 0.40277778 4.143389e-03 6.903265e-05
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## 28472 0.23611111 6.750466e-03 1.173555e-04
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## 28473 0.20833333 6.703911e-03 8.974244e-05
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## 28474 0.27777778 4.655493e-03 2.070979e-05
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## 28548 0.98611111 6.750466e-03 0.000000e+00
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## 28549 0.25000000 2.048417e-03 6.351003e-04
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  28550 0.36111111 1.815642e-03 8.629081e-04
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## 28551 0.48611111 5.260708e-03 1.380653e-05
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## 28552 0.54166667 3.724395e-03 7.593591e-05
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  28554 0.05555556 5.167598e-03 7.593591e-05
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## 28555 0.75000000 4.189944e-03 0.000000e+00
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## 28556 0.01388889 3.817505e-03 0.000000e+00
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## 28557 0.37500000 4.143389e-03 6.903265e-06
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## 28560 0.86111111 4.096834e-03 2.070979e-05
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## 28562 0.52777778 2.174115e-02 2.761306e-05
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## 28563 0.51388889 2.327747e-04 3.734666e-03
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## 28564 0.93055556 1.289572e-02 4.625187e-04
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## 28565 0.68055556 4.981378e-03 1.932914e-03
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## 28566 0.37500000 6.797020e-03 6.903265e-06
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## 28567 0.15277778 1.117318e-03 1.173555e-03
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## 28568 0.83333333 6.145251e-03 9.181342e-04
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## 28569 0.95833333 2.700186e-03 0.000000e+00
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## 28570 0.70833333 6.890130e-03 0.000000e+00
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## 28571 0.84722222 2.327747e-04 3.037436e-04
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## 28572 0.98611111 8.845438e-03 0.000000e+00
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## 28573 0.58333333 5.586592e-03 0.000000e+00
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## 28590 0.73611111 2.141527e-03 0.000000e+00
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## 28601 0.31944444 6.098696e-03 1.380653e-05
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## 28612 0.23611111 5.260708e-03 6.903265e-05
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## 28680 0.44444444 2.467412e-03 6.903265e-06
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## 28682 0.72222222 1.769088e-03 0.000000e+00
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## 28689 0.69444444 0.000000e+00 0.000000e+00
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## 28690 0.00000000 2.001862e-03 0.000000e+00
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## 28701 0.52777778 2.793296e-04 0.000000e+00
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## 28869 0.94444444 8.845438e-04 0.000000e+00
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## 28870 0.58333333 1.461825e-02 0.000000e+00
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## 28871 0.73611111 1.066108e-02 0.000000e+00
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## 28872 0.50000000 4.189944e-04 0.000000e+00
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## 28873 0.30555556 0.000000e+00 0.000000e+00
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  28876 0.48611111 0.000000e+00 0.000000e+00
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## 28889 0.43055556 0.000000e+00 1.380653e-04
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## 28890 0.06944444 5.912477e-03 6.903265e-06
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## 28891 0.31944444 4.562384e-03 7.041330e-04
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## 28892 0.40277778 7.448790e-03 0.000000e+00
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## 28897 0.33333333 4.795158e-03 7.593591e-05
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## 28898 0.20833333 4.748603e-03 0.000000e+00
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## 28921 0.52777778 8.891993e-03 2.761306e-05
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## 28966 0.98611111 7.262570e-03 1.380653e-05
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## 29043 0.62500000 8.379888e-03 0.000000e+00
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## 29047 0.33333333 5.181564e-02 2.070979e-05
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## 29048 0.25000000 4.562384e-03 0.000000e+00
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## 29051 0.56944444 8.798883e-03 1.380653e-05
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## 29189 0.93055556 7.448790e-03 1.380653e-05
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## 29190 0.56944444 5.865922e-03 1.380653e-05
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## 29191 0.81944444 9.031657e-03 0.000000e+00
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## 29192 0.86111111 5.121043e-03 0.000000e+00
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## 29193 0.05555556 1.033520e-02 1.725816e-04
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## 29194 0.38888889 3.105214e-02 1.380653e-05
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## 29195 0.73611111 0.000000e+00 0.000000e+00
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## 29196 0.90277778 9.869646e-03 6.903265e-06
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## 29197 0.66666667 6.703911e-03 0.000000e+00
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## 29198 0.93055556 8.891993e-03 7.593591e-05
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## 29199 0.98611111 3.105214e-02 2.070979e-05
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## 29201 0.18055556 2.886406e-03 1.311620e-04
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## 29202 0.56944444 6.517691e-03 8.283917e-05
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## 29204 0.83333333 5.214153e-03 1.380653e-05
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## 29205 0.16666667 0.000000e+00 1.242588e-04
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## 29206 0.84722222 6.517691e-04 1.173555e-04
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## 29207 0.86111111 0.000000e+00 8.974244e-05
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## 29208 0.77777778 4.143389e-03 0.000000e+00
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## 29209 0.31944444 7.960894e-03 1.587751e-04
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## 29210 0.83333333 9.078212e-03 0.000000e+00
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## 29270 0.84722222 4.003724e-03 6.903265e-06
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## 29301 0.08333333 0.000000e+00 7.041330e-04
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## 29349 0.33333333 6.843575e-03 6.903265e-04
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  29350 0.52777778 5.121043e-03 1.000973e-03
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## 29351 1.00000000 2.932961e-03 1.035490e-04
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## 29352 0.23611111 2.141527e-03 1.725816e-04
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## 29353 0.65277778 5.772812e-03 2.761306e-05
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## 29354 0.66666667 9.078212e-03 3.658730e-04
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## 29355 0.76388889 5.353818e-03 3.727763e-04
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## 29356 0.59722222 5.726257e-03 3.175502e-04
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## 29357 0.77777778 6.424581e-03 1.587751e-04
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## 29358 0.29166667 1.303538e-03 1.932914e-04
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## 29359 0.12500000 3.165736e-03 1.104522e-04
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## 29360 0.18055556 6.750466e-03 1.794849e-04
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## 29361 0.61111111 6.284916e-03 1.104522e-04
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## 29362 0.04166667 2.188082e-03 1.311620e-04
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## 29363 0.88888889 4.795158e-03 2.347110e-04
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## 29364 0.44444444 5.027933e-03 3.520665e-04
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## 29370 0.15277778 2.374302e-03 1.380653e-04
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## 29401 0.72222222 1.112663e-02 6.903265e-06
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## 29408 0.65277778 2.327747e-03 2.070979e-05
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## 29493 0.34722222 9.264432e-03 0.000000e+00
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## 29494 0.11111111 6.797020e-03 4.625187e-04
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## 29670 0.05555556 3.538175e-03 1.863881e-04
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## 29671 0.79166667 4.469274e-03 1.725816e-03
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## 29675 0.94444444 4.981378e-03 4.487122e-04
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## 28006
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## 28007
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## 28008
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## 28009
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## 28010
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## 28011
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## 28012
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## 28014
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## 28015
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## 28022	1	0	0	0	0	0	0	0	1	0	0	
## 28023	0	1	0	0	0	0	0	0	0	0	1	
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## 28026	0	0	1	0	0	1	0	0	0	0	0	
## 28027	0	0	0	1	0	1	0	0	0	0	0	
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## 28039	0	0	0	0	0	0	0	1	0	0	0	
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## 28063	0	0	0	1	1	0	0	0	0	0	0	
## 28064	0	0	0	0	1	0	0	0	0	0	0	
## 28065	0	0	0	0	0	0	1	0	0	0	0	

## 28067 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 20066	α	0	0	0	0	0	1	0	0	0	0	
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## 28079													
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## 28071 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
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## 28086 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 ## 28087 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0													
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## 28089 0 0 1 0 0 0 0 0 0 0 1 0 0 0 ## 28090 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0		0		0	0	0			1	
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## 28214	0	0	0	0	0	0	0	1	0	0	0	
ππ ΖΟΖΙΟ	U	U	U	U	Ð	ð	Ð	1	U	Ð	U	

## 20216	1	0	0	0	0	0	0	0	1	0	0	
## 28216 ## 28217	1	0	0	0	0	0	0	0	1	0	0	
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## 28300	0	0	1	0	0	0	0	0	0	0	1	
## 28301	0	0	1	0	1	0	0	0	0	0	0	
## 28302	0	0	1	0	0	1	0	0	0	0	0	
## 28303	0	0	1	0	1	0	0	0	0	0	0	
## 28304	0	0	1	0	1	0	0	0	0	0	0	
## 28305	1	0	0	0	0	0	0	0	1	0	0	
## 28306	0	1	0	0	0	0	0	0	0	1	0	
## 28307	1	0	0	0	0	0	0	0	0	0	1	
## 28308	1	0	0	0	0	0	0	1	0	0	0	
## 28309	1	0	0	0	0	0	0	0	1	0	0	
## 28310	0	0	0	0	0	0	0	1	0	0	0	
## 28311	1	0	0	0	ø	ø	0	0	0	1	0	
## 28312	1	0	0	0	0	0	0	0	0	0	1	
## 28313	0	1	0	ø	ø	0	0	ø	0	1	0	
## 28314	0	0	1	0	ø	ø	0	0	0	1	0	
## 28315	0	0	0	1	0	1	0	0	0	0	0	
"" ZOJIJ	0	J	0	_		-		U	J	J	0	

## 20216	Δ	0	^	0	0	0	0	0	1	0	0	
## 28316	0	0	0	0	0	0	0	0	1	0	0	
## 28317	0	0	0	0	0	0	0	1	0	0	0	
## 28318	0	1	0	0	0	0	0	0	0	1	0	
## 28319	0	1	0	0	0	0	0	0	1	0	0	
## 28320	0	0	1	0	0	0	0	0	0	0	1	
## 28321	0	0	1	0	0	1	0	0	0	0	0	
## 28322	0	0	0	0	0	0	0	0	1	0	0	
## 28323	1	0	0	0	0	0	0	0	1	0	0	
## 28324	0	1	0	0	0	0	0	0	0	0	1	
## 28325	0	0	1	0	0	0	0	0	0	1	0	
## 28326	0	0	0	1	1	0	0	0	0	0	0	
## 28327	0	0	0	0	0	0	0	1	0	0	0	
## 28328	0	0	0	0	0	0	0	0	1	0	0	
## 28329	1	0	0	0	0	0	0	0	0	0	1	
## 28330	0	0	1	0	0	0	0	0	0	0	1	
## 28331	0	0	1	0	0	0	0	0	0	0	1	
## 28332	0	0	0	0	0	0	0	1	0	0	0	
## 28333	0	0	0	0	0	0	0	1	0	0	0	
## 28334	1	0	0	0	0	0	0	0	1	0	0	
## 28335	1	0	0	0	0	0	0	1	0	0	0	
## 28336	1	0	0	0	0	0	0	0	1	0	0	
## 28337	0	0	1	0	0	0	0	0	0	1	0	
## 28338	0	0	0	0	0	0	0	1	0	0	0	
## 28339	1	0	0	0	0	0	0	0	0	1	0	
## 28340	0	1	0	0	1	0	0	0	0	0	0	
## 28341	0	0	1	0	0	1	0	0	0	0	0	
## 28342	0	1	0	0	0	0	0	0	0	0	1	
## 28343	0	1	0	0	1	0	0	0	0	0	0	
## 28344	1	0	0	0	0	0	0	0	0	1	0	
## 28345	1	0	0	0	0	0	0	1	0	0	0	
## 28346	0	1	0	0	0	0	0	0	0	1	0	
## 28347	0	0	1	0	1	0	0	0	0	0	0	
## 28348	0	0	1	0	1	0	0	0	0	0	0	
## 28349	0	0	0	1	0	0	1	0	0	0	0	
## 28350	0	0	0	0	0	0	0	1	0	0	0	
## 28351	0	0	0	0	0	0	0	1	0	0	0	
## 28352	1	0	0	0	0	0	0	0	1	0	0	
## 28353	1	0	0	0	0	0	0	1	0	0	0	
## 28354	0	1	0	0	0	0	0	0	0	0	1	
## 28355	0	0	0	1	1	0	0	0	0	0	0	
## 28356	0	0	0	1	0	1	0	0	0	0	0	
## 28357	0	0	1	0	1	0	0	0	0	0	0	
## 28358	0	0	0	0	0	0	0	1	0	0	0	
## 28359	0	0	1	0	1	0	0	0	0	0	0	
## 28360	0	0	0	1	0	1	0	0	0	0	0	
## 28361	0	0	0	0	ø	0	1	ø	0	0	0	
## 28362	0	0	0	0	ø	0	0	ø	1	0	0	
## 28363	0	1	0	0	ø	0	0	ø	0	1	0	
## 28364	0	0	0	0	ø	1	0	0	0	0	0	
## 28365	0	0	0	1	0	1	0	0	0	0	0	
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	28366	0	0	0	1	0	0	1	0	0	0	0
	28367	0	0	0	0	0	0	0	1	0	0	0
	28368	0	0	0	0	0	0	1	0	0	0	0
##	28369	0	0	0	0	0	0	0	1	0	0	0
##	28370	1	0	0	0	0	0	0	0	0	0	1
##	28371	0	0	1	0	0	1	0	0	0	0	0
##	28372	1	0	0	0	0	0	0	0	0	1	0
##	28373	0	0	1	0	0	0	0	0	0	1	0
##	28374	0	0	0	0	0	0	1	0	0	0	0
##	28375	0	1	0	0	1	0	0	0	0	0	0
	28376	1	0	0	0	0	0	0	0	0	1	0
##	28377	0	1	0	0	0	0	0	0	0	0	1
	28378	0	0	0	0	0	0	0	0	1	0	0
	28379	0	0	1	0	0	1	0	0	0	0	0
	28380	1	0	0	0	0	0	0	0	0	1	0
	28381	0	0	0	0	0	1	0	0	0	0	0
	28382	0	0	0	0	0	0	1	0	0	0	0
	28383	0	0	1	0	0	0	0	0	0	1	0
	28384	0	0	1	0	0	1	0	0	0	0	0
	28385	0	0	1	0	0	0	0	0	0	0	1
	28386	0	0			0					0	
	28387			0	0		0	0	0	1	-	0
		0	0	0	0	0	0	1	0	0	0	0
	28388	0	0	0	0	0	0	0	1	0	0	0
	28389	1	0	0	0	0	0	0	0	0	1	0
	28390	0	0	0	0	0	1	0	0	0	0	0
	28391	0	0	0	1	0	1	0	0	0	0	0
	28392	0	0	1	0	0	1	0	0	0	0	0
	28393	0	0	0	1	0	1	0	0	0	0	0
	28394	0	0	0	0	0	0	1	0	0	0	0
	28395	0	0	0	0	0	0	0	0	1	0	0
	28396	0	0	0	0	0	0	0	0	1	0	0
	28397	0	0	0	1	1	0	0	0	0	0	0
##	28398	0	0	0	0	0	0	0	1	0	0	0
##	28399	0	0	1	0	0	0	0	0	0	0	1
##	28400	0	0	0	1	1	0	0	0	0	0	0
##	28401	0	0	0	1	0	1	0	0	0	0	0
##	28402	0	1	0	0	0	0	0	0	0	0	1
##	28403	0	0	1	0	1	0	0	0	0	0	0
##	28404	0	0	0	0	0	0	0	0	1	0	0
##	28405	0	0	0	1	1	0	0	0	0	0	0
##	28406	0	0	0	0	0	0	0	0	1	0	0
	28407	0	0	0	0	0	0	0	0	0	1	0
	28408	0	0	0	1	1	0	0	0	0	0	0
	28409	0	0	0	1	0	1	0	0	0	0	0
	28410	0	1	0	0	0	0	0	0	0	0	1
	28411	0	0	0	0	0	0	1	0	0	0	0
	28412	0	0	1	0	0	0	0	0	0	0	1
	28413	0	0	0	1	0	0	0	0	0	0	1
	28414	0	0	0	1	0	1	0	0	0	0	0
	28414 28415	1	0	0	0	0	0	0	0	1	0	0
π#	2041)	_	U	U	U	U	U	U	U	_	U	J

##	28416	0	1	0	0	0	0	0	0	0	1	0
##	28417	0	0	0	1	1	0	0	0	0	0	0
##	28418	1	0	0	0	0	0	0	0	1	0	0
##	28419	1	0	0	0	0	0	0	0	0	1	0
##	28420	0	1	0	0	0	0	0	0	0	1	0
##	28421	0	0	0	0	0	0	1	0	0	0	0
	28422	0	0	0	0	0	0	0	1	0	0	0
	28423	0	0	0	1	1	0	0	0	0	0	0
	28424	0	0	1	0	0	0	0	0	0	0	1
##	28425	0	0	1	0	0	1	0	0	0	0	0
##	28426	0	0	0	0	0	0	0	1	0	0	0
##	28427	0	1	0	0	0	0	0	0	0	1	0
	28428	0	0	0	1	1	0	0	0	0	0	0
	28429	0	0	0	0	0	0	0	0	1	0	0
	28430	0	0	0	0	0	0	0	1	0	0	0
##	28431	0	0	0	0	0	0	0	0	1	0	0
##	28432	0	0	1	0	0	1	0	0	0	0	0
##	28433	0	0	1	0	1	0	0	0	0	0	0
	28434											
		0	0	0	1	1	0	0	0	0	0	0
	28435	0	0	0	1	0	1	0	0	0	0	0
##	28436	0	0	0	1	0	1	0	0	0	0	0
##	28437	0	0	0	0	0	0	0	0	0	1	0
	28438	0	1	0	0	1	0	0	0	0	0	0
	28439	0	1	0	0	0	0	0	0	0	0	1
	28440	1	0	0	0	0	0	0	1	0	0	0
	28441	1	0	0	0	0	0	0	1	0	0	0
##	28442	1	0	0	0	0	0	0	0	1	0	0
##	28443	1	0	0	0	0	0	0	1	0	0	0
##	28444	1	0	0	0	0	0	0	0	1	0	0
##	28445	1	0	0	0	0	0	0	1	0	0	0
##	28446	1	0	0	0	0	0	0	0	1	0	0
##	28447	1	0	0	0	0	0	0	0	1	0	0
##	28448	1	0	0	0	0	0	0	1	0	0	0
	28449	1	0	0	0	0	0	0	0	1	0	0
##	28450	1	0	0	0	0	0	0	0	0	1	0
##	28451	1	0	0	0	0	0	0	1	0	0	0
	28452	1	0	0	0	0	0	0	1	0	0	0
##	28453	1	0	0	0	0	0	0	1	0	0	0
	28454	1	0	0	0	0	0	0	0	1	0	0
	28455	1	0	0	0	0	0	0	0	1	0	0
##	28456	1	0	0	0	0	0	0	0	0	1	0
##	28457	1	0	0	0	0	0	0	0	1	0	0
##	28458	1	0	0	0	0	0	0	1	0	0	0
	28459	1	0	0	0	0	0	0	1	0	0	0
	28460	1	0	0	0	0	0	0	1	0	0	0
	28461	1	0	0	0	0	0	0	1	0	0	0
##	28462	1	0	0	0	0	0	0	0	1	0	0
##	28463	1	0	0	0	0	0	0	1	0	0	0
	28464	1	0	0	0	0	0	0	0	1	0	0
	28465	1	0	0	0	0	0	0	0	1	0	0
1T 1T	20707	_	U	J	U	J	J	U	J	_	U	J

## 20466	1	0	0	0	0	0	0	0	1	0	0	
## 28466	1	0	0	0	0	0	0	0	1	0	0	
## 28467	1	0	0	0	0	0	0	0	1	0	0	
## 28468	1	0	0	0	0	0	0	1	0	0	0	
## 28469	1	0	0	0	0	0	0	0	1	0	0	
## 28470	1	0	0	0	0	0	0	0	1	0	0	
## 28471	1	0	0	0	0	0	0	0	1	0	0	
## 28472	1	0	0	0	0	0	0	0	1	0	0	
## 28473	1	0	0	0	0	0	0	1	0	0	0	
## 28474	1	0	0	0	0	0	0	0	1	0	0	
## 28475	1	0	0	0	0	0	0	0	0	1	0	
## 28476	1	0	0	0	0	0	0	0	1	0	0	
## 28477	1	0	0	0	0	0	0	0	1	0	0	
## 28478	1	0	0	0	0	0	0	1	0	0	0	
## 28479	1	0	0	0	0	0	0	0	1	0	0	
## 28480	1	0	0	0	0	0	0	0	1	0	0	
## 28481	1	0	0	0	0	0	0	0	1	0	0	
## 28482	1	0	0	0	0	0	0	0	1	0	0	
## 28483	1	0	0	0	0	0	0	0	1	0	0	
## 28484	1	0	0	0	0	0	0	1	0	0	0	
## 28485	1	0	0	0	0	0	0	0	1	0	0	
## 28486	1	0	0	0	0	0	0	0	1	0	0	
## 28487	1	0	0	0	0	0	0	0	1	0	0	
## 28488	1	0	0	0	0	0	0	0	1	0	0	
## 28489	1	0	0	0	0	0	0	0	1	0	0	
## 28490	1	0	0	0	0	0	0	0	1	0	0	
## 28491	1	0	0	0	0	0	0	0	1	0	0	
## 28492	1	0	0	0	0	0	0	0	1	0	0	
## 28493	1	0	0	0	0	0	0	0	1	0	0	
## 28494	0	0	0	0	0	0	0	1	0	0	0	
## 28495	0	0	0	1	0	0	1	0	0	0	0	
## 28496	0	0	0	0	0	0	0	1	0	0	0	
## 28497	0	0	0	0	0	0	1	0	0	0	0	
## 28498	1	0	0	0	0	0	0	0	0	1	0	
## 28499	1	0	0	0	0	0	0	0	1	0	0	
## 28500	0	0	0	0	0	0	1	0	0	0	0	
## 28501	0	0	0	0	0	0	1	0	0	0	0	
## 28502	0	0	0	0	0	0	0	0	0	1	0	
## 28503	0	0	0	0	0	0	0	0	1	0	0	
## 28504	0	0	1	0	1	0	0	0	0	0	0	
## 28505	0	0	0	1	0	1	0	0	0	0	0	
## 28506	0	0	0	0	1	0	0	0	0	0	0	
## 28507	0	0	0	0	0	1	0	0	0	0	0	
## 28508	0	0	0	0	0	0	1	0	0	0	0	
## 28509	0	0	0	0	0	0	0	1	0	0	0	
## 28510	0	0	0	0	0	0	0	0	0	1	0	
## 28511	0	0	0	0	ø	ø	ø	1	0	0	0	
## 28512	1	0	0	0	ø	0	0	0	1	0	0	
## 28513	0	0	0	1	0	0	1	ø	0	0	0	
## 28514	ø	0	0	0	ø	0	1	0	0	0	0	
## 28515	0	0	1	0	0	1	0	0	0	0	0	
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## 30F1 <i>C</i>	0	0	1	0	1	0	0	0	0	0	0	
## 28516	0	0	1	0	1	0	0	0	0	0	0	
## 28517	0	0	1	0	1	0	0	0	0	0	0	
## 28518	0	0	0	0	0	1	0	0	0	0	0	
## 28519	0	0	0	0	0	0	0	0	0	1	0	
## 28520	1	0	0	0	0	0	0	0	0	1	0	
## 28521	0	1	0	0	0	0	0	0	1	0	0	
## 28522	1	0	0	0	0	0	0	1	0	0	0	
## 28523	0	0	0	0	0	0	1	0	0	0	0	
## 28524	1	0	0	0	0	0	0	0	0	0	1	
## 28525	1	0	0	0	0	0	0	0	0	1	0	
## 28526	0	1	0	0	0	0	0	0	0	1	0	
## 28527	1	0	0	0	0	0	0	0	0	0	1	
## 28528	0	1	0	0	0	0	0	0	0	1	0	
## 28529	0	0	0	0	0	0	1	0	0	0	0	
## 28530	0	0	0	0	0	0	1	0	0	0	0	
## 28531	0	1	0	0	0	0	0	0	0	1	0	
## 28532	0	1	0	0	0	0	0	0	0	0	1	
## 28533	0	1	0	0	0	0	0	0	0	1	0	
## 28534	0	1	0	0	0	0	0	0	1	0	0	
## 28535	0	0	1	0	1	0	0	0	0	0	0	
## 28536	0	0	1	0	0	0	0	0	0	0	1	
## 28537	0	0	1	0	1	0	0	0	0	0	0	
## 28538	0	0	0	1	1	0	0	0	0	0	0	
## 28539	0	0	0	1	0	0	0	0	0	0	1	
## 28540	0	0	0	1	1	0	0	0	0	0	0	
## 28541	0	0	0	1	0	1	0	0	0	0	0	
## 28542	0	0	0	1	0	1	0	0	0	0	0	
## 28543	0	0	0	0	1	0	0	0	0	0	0	
## 28544	0	0	0	0	0	1	0	0	0	0	0	
## 28545	0	0	0	0	0	0	1	0	0	0	0	
## 28546	0	0	0	0	0	0	1	0	0	0	0	
## 28547	0	0	0	0	0	0	0	0	1	0	0	
## 28548	0	0	0	0	0	0	0	0	1	0	0	
## 28549	0	0	0	0	0	0	0	1	0	0	0	
## 28550	0	0	0	0	0	0	0	1	0	0	0	
## 28551	0	0	0	0	0	0	0	0	1	0	0	
## 28552	1	0	0	0	0	0	0	0	0	1	0	
## 28553	0	1	0	0	1	0	0	0	0	0	0	
## 28554	0	0	1	0	0	0	0	0	0	0	1	
## 28555	0	0	0	1	0	0	1	0	0	0	0	
## 28556	0	0	0	0	1	0	0	0	0	0	0	
## 28557	0	0	0	0	0	1	0	0	0	0	0	
## 28558	0	0	0	0	0	1	0	0	0	0	0	
## 28559	0	0	0	ø	ø	0	1	0	0	0	0	
## 28560	0	0	0	ø	ø	0	0	0	0	1	0	
## 28561	1	0	0	0	0	0	0	0	0	1	0	
## 28562	1	0	0	0	0	0	0	0	1	0	0	
## 28563	1	0	0	0	0	0	0	0	0	1	0	
## 28564	1	0	0	0	0	0	0	0	0	0	1	
## 28565	0	1	0	0	0	0	0	0	0	0	1	
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## 20566	0	1	0	0	0	0	α	0	0	1	0	
## 28566	0	1 1	0	0	0	0	0	0	0	1	0	
## 28567	0		0	0	0	0	0	0	1	0	0	
## 28568	0	1	0	0	1	0	0	0	0	0	0	
## 28569	0	0	1	0	0	1	0	0	0	0	0	
## 28570	0	0	1	0	1	0	0	0	0	0	0	
## 28571	0	0	1	0	0	1	0	0	0	0	0	
## 28572	0	0	1	0	0	1	0	0	0	0	0	
## 28573	0	0	0	1	0	1	0	0	0	0	0	
## 28574	0	0	0	1	1	0	0	0	0	0	0	
## 28575	0	0	0	0	0	1	0	0	0	0	0	
## 28576	0	0	0	0	0	1	0	0	0	0	0	
## 28577	0	0	0	0	0	0	1	0	0	0	0	
## 28578	0	0	0	0	0	1	0	0	0	0	0	
## 28579	0	0	0	0	0	0	1	0	0	0	0	
## 28580	0	0	0	0	0	0	0	1	0	0	0	
## 28581	0	0	0	0	0	0	0	0	0	1	0	
## 28582	0	0	0	0	0	0	0	1	0	0	0	
## 28583	0	0	0	0	0	0	0	1	0	0	0	
## 28584	1	0	0	0	0	0	0	1	0	0	0	
## 28585	1	0	0	0	0	0	0	0	0	0	1	
## 28586	1	0	0	0	0	0	0	1	0	0	0	
## 28587	0	1	0	0	0	0	0	0	1	0	0	
## 28588	0	1	0	0	0	0	0	0	1	0	0	
## 28589	0	0	0	0	0	0	0	1	0	0	0	
## 28590	0	0	0	0	0	0	1	0	0	0	0	
## 28591	0	1	0	0	0	0	0	0	0	0	1	
## 28592	0	0	1	0	0	1	0	0	0	0	0	
## 28593	0	0	1	0	0	0	0	0	0	0	1	
## 28594	0	0	1	0	0	1	0	0	0	0	0	
## 28595	0	0	1	0	1	0	0	0	0	0	0	
## 28596	0	0	1	0	0	1	0	0	0	0	0	
## 28597	0	0	0	1	1	0	0	0	0	0	0	
## 28598	0	0	0	1	1	0	0	0	0	0	0	
## 28599	0	0	0	0	0	0	0	1	0	0	0	
## 28600	0	0	0	0	0	1	0	0	0	0	0	
## 28601	0	0	0	0	0	0	1	0	0	0	0	
## 28602	0	0	0	0	0	0	1	0	0	0	0	
## 28603	0	0	0	0	0	1	0	0	0	0	0	
## 28604	0	0	0	0	0	0	1	0	0	0	0	
## 28605	0	0	0	0	0	0	0	1	0	0	0	
## 28606	0	0	0	0	0	0	0	0	1	0	0	
## 28607	0	0	0	0	0	0	0	0	0	1	0	
## 28608	0	0	0	0	0	0	0	1	0	0	0	
## 28609	1	0	0	0	ø	ø	ø	0	0	1	0	
## 28610	0	0	0	0	ø	0	0	ø	1	0	0	
## 28611	1	0	0	0	0	0	0	0	0	0	1	
## 28612	1	0	0	0	0	0	0	0	1	0	0	
## 28613	0	1	0	0	0	0	0	0	1	0	0	
## 28614	0	1	0	0	1	0	0	0	0	0	0	
## 28615	0	0	1	0	1	0	0	0	0	0	0	
"" 20013	9	9	_	J	_	J	J	J	9	9	U	

ин 204	-16	· ·	1	^	^	^	^	^	^	^	^	1
## 286				0	0	0	0	0	0	0	0	1
## 286				1	0	0	0	0	0	0	1	0
## 286				1	0	1	0	0	0	0	0	0
## 286				1	0	1	0	0	0	0	0	0
## 286		9 (	0	0	1	0	0	1	0	0	0	0
## 286	521 (	<b>a</b> (	0	0	1	1	0	0	0	0	0	0
## 286	522 (	9 (	0	0	1	0	1	0	0	0	0	0
## 286	523 (	a (	0	0	1	0	0	1	0	0	0	0
## 286	524 (	<b>a</b> (	0	0	1	1	0	0	0	0	0	0
## 286				0	0	0	1	0	0	0	0	0
## 286				0	0	0	0	1	0	0	0	0
## 286				0	0	0	0	0	1	0	0	0
## 286				0	0	0	0	1	0	0	0	0
## 286				0	0	0	0	0	1	0	0	0
## 286				0	0	0	0	1	0	0	0	0
## 286				0	0	0	0	1	0	0	0	0
## 286				0	0	0	0	0	1	0	0	0
				0	0	0	0	1	0	0	0	0
## 286				0	0	0	0	0	0	1	0	0
## 286				0	0	0	0	0	0	1	0	0
## 286				0	0	0	0	0	0	1	0	0
## 286				0	0	0	0	0	1	0	0	0
## 286				0	0	0	0	0	0	0	0	1
## 286				0	0	0	0	0	0	0	1	0
## 286		9 :	1	0	0	0	0	0	0	0	1	0
## 286		9 :	1	0	0	0	0	0	0	0	0	1
## 286	542 (	<b>ð</b> :	1	0	0	0	0	0	0	0	0	1
## 286	543 (	9 (	0	1	0	0	0	0	0	0	1	0
## 286	544 (	9 (	0	1	0	1	0	0	0	0	0	0
## 286	545 (	a (	0	1	0	0	1	0	0	0	0	0
## 286	546 (	a (	0	1	0	0	0	0	0	0	1	0
## 286	547 (	<b>a</b> (	0	1	0	0	1	0	0	0	0	0
## 286	548 (	<b>a</b> (	0	1	0	0	0	0	0	0	0	1
## 286				0	1	0	1	0	0	0	0	0
## 286				0	0	1	0	0	0	0	0	0
## 286				0	0	0	0	1	0	0	0	0
## 286				0	1	0	1	0	0	0	0	0
## 286				1	0	0	1	0	0	0	0	0
## 286				0	1	0	0	1	0	0	0	0
## 286				0	1	0	1	0	0	0	0	0
## 286				0	0	0	0	1	0	0	0	0
## 286				0	0	0	1	0	0	0	0	0
## 286				0	0	0	0	1	0	0	0	0
## 286				0	0	0	0	1	0	0	0	0
## 286				0	0	0	0	1	0	0	0	0
## 286				0	0	0	0	0	0	1	0	0
## 286				0	0	0	0	0	0	0	1	0
## 286				0	0	0	0	1	0	0	0	0
## 286				0	0	0	0	0	1	0	0	0
## 286	565 (	9 (	0	0	0	0	0	0	0	1	0	0

##	28666	1	0	0	0	0	0	0	0	1	0	0
##	28667	1	0	0	0	0	0	0	0	1	0	0
##	28668	1	0	0	0	0	0	0	1	0	0	0
##	28669	0	0	0	0	0	0	1	0	0	0	0
##	28670	1	0	0	0	0	0	0	0	0	1	0
##	28671	0	1	0	0	0	0	0	0	1	0	0
	28672	0	1	0	0	0	0	0	0	1	0	0
					0	0	0					
	28673	0	1	0				0	0	0	1	0
	28674	0	0	1	0	1	0	0	0	0	0	0
##	28675	0	0	1	0	1	0	0	0	0	0	0
##	28676	0	0	0	1	1	0	0	0	0	0	0
	28677	0	0	0	1	0	1	0	0	0	0	0
	28678	0	0	0	1	0	1	0	0	0	0	0
	28679	0	0	0	0	0	0	1	0	0	0	0
##	28680	0	0	0	0	0	0	1	0	0	0	0
##	28681	0	0	0	0	0	1	0	0	0	0	0
##	28682	0	0	0	0	0	0	0	1	0	0	0
##	28683	0	0	0	0	0	0	0	0	0	1	0
##	28684	1	0	0	0	0	0	0	0	0	1	0
	28685	1	0	0	0	0	0	0	0	1	0	0
##	28686	0	1	0	0	0	0	0	0	0	0	1
##	28687	0	0	0	1	1	0	0	0	0	0	0
##	28688	0	0	0	0	1	0	0	0	0	0	0
	28689	0	0	0	0	0	0	1	0	0	0	0
	28690	0	0	0	0	1	0	0	0	0	0	0
	28691	0	0	0	0	0	0	1	0	0	0	0
	28692	0	1	0	0	1	0	0	0	0	0	0
##	28693	0	0	0	1	0	1	0	0	0	0	0
##	28694	0	0	0	1	0	1	0	0	0	0	0
##	28695	0	0	0	0	1	0	0	0	0	0	0
##	28696	0	0	0	0	0	0	1	0	0	0	0
##	28697	0	0	0	0	0	0	0	0	1	0	0
##	28698	1	0	0	0	0	0	0	1	0	0	0
	28699	0	0	1	0	0	0	0	0	0	0	1
##	28700	0	0	0	1	0	0	1	0	0	0	0
##	28701	0	0	0	0	0	0	0	1	0	0	0
##	28702	0	0	0	0	0	0	0	1	0	0	0
	28703	0	0	0	0	0	0	1	0	0	0	0
	28704	1	0	0	0	0	0	0	0	1	0	0
	28705	0	1	0	0	0	0	0	0	0	1	0
	28706	0	0	0	0	0	0	0	1	0	0	0
	28707	0	0	0	0	0	0	0	1	0	0	0
##	28708	0	0	0	1	0	1	0	0	0	0	0
	28709	0	0	0	0	0	1	0	0	0	0	0
	28710	0	0	0	0	0	1	0	0	0	0	0
	28711	0	0	0	0	0	0	0	1	0	0	0
	28712	0	1	0	0	0	0	0	0	0	0	1
	28713	0	0	0	1	1	0	0	0	0	0	0
##	28714	0	0	0	0	0	1	0	0	0	0	0
##	28715	0	0	0	0	0	0	0	0	1	0	0

## 28716	1	0	0	0	0	0	0	0	0	1	0	
## 28717	0	0	0	0	0	0	0	1	0	0	0	
## 28718	0	1	0	0	0	0	0	0	0	0	1	
## 28719	1	0	0	0	0	0	0	0	1	0	0	
## 28720	1	0	0	0	0	0	0	0	0	1	0	
## 28721	0	0	0	1	0	0	0	0	0	0	1	
## 28722	0	1	0	0	0	0	0	0	0	0	1	
## 28723	0	0	0	1	ø	0	0	0	0	0	1	
## 28724	0	0	0	0	1	0	0	0	0	0	0	
## 28725	0	0	0	0	0	0	1	0	0	0	0	
## 28726	0	1	0	0	0	0	0	0	0	1	0	
## 28727	0	0	0	0	0	0	0	1	0	0	0	
## 28728	1	0	0	0	0	0	0	0	0	1	0	
## 28729	0	0	1	0	1	0	0	0	0	0	0	
## 28730	0	0	0	0	0	0	1	0	0	0	0	
## 28731	0	1	0	0	0	0	0	0	0	1	0	
## 28732	0	0	0	0	0	0	0	1	0	0	0	
## 28733	1	0	0	0	0	0	0	1	0	0	0	
## 28734	0	1	0	0	0	0	0	0	0	1	0	
## 28735	0	0	1	0	1	0	0	0	0	0	0	
## 28736	0	0	0	0	0	0	1	0	0	0	0	
## 28737	0	0	0	0	0	0	0	0	1	0	0	
## 28738	0	0	0	1	0	0	0	0	0	0	1	
## 28739	0	0	0	0	1	0	0	0	0	0	0	
## 28740	0	0	0	0	0	0	0	1	0	0	0	
## 28741	0	1	0	0	1	0	0	0	0	0	0	
## 28742	1	0	0	0	0	0	0	0	0	1	0	
## 28743	0	1	0	0	0	0	0	0	0	0	1	
## 28744	0	0	0	1	1	0	0	0	0	0	0	
## 28745	0	0	0	0	0	0	0	1	0	0	0	
## 28746	0	0	0	0	0	0	0	0	1	0	0	
## 28747	0	1	0	0	0	0	0	0	0	1	0	
## 28748	1	0	0	0	0	0	0	0	1	0	0	
## 28749	0	0	0	1	0	1	0	0	0	0	0	
## 28750	0	0	0	0	0	0	0	1	0	0	0	
## 28751	0	0	0	1	0	0	1	0	0	0	0	
## 28752	0	0	0	0	0	1	0	0	0	0	0	
## 28753	1	0	0	0	0	0	0	0	0	0	1	
## 28754	0	0	1	0	0	1	0	ø	0	0	0	
## 28755	0	0	0	0	0	0	0	1	0	0	0	
## 28756	1	0	0	0	0	0	0	0	0	1	0	
## 28757	0	0	0	0	0	0	0	1	0	0	0	
## 28758	0	0	1	0	0	1	0	0	0	0	0	
## 28759	0	0	0	0	0	1	0	0	0	0	0	
## 28760	0	0	0	0	0	0	1	0	0	0	0	
## 28761	0	0	0	0	0	0	0	0	0	1	0	
## 28762	1	0	0	0	0	0	0	0	0	1	0	
## 28763	0	1	0	0	0	0	0	0	0	0	1	
## 28764	0	0	0	1	1	0	0	0	0	0	0	
## 28765	0	0	0	0	0	0	1	0	0	0	0	

## 28766	0	0	0	0	0	0	0	1	0	0	0	
## 28767	0	0	0	0	0		1	1 0	0	0	0	
						0						
## 28768	0	0	0	1	1	0	0	0	0	0	0	
## 28769	1	0	0	0	0	0	0	0	0	0	1	
## 28770	1	0	0	0	0	0	0	0	0	1	0	
## 28771	1	0	0	0	0	0	0	0	1	0	0	
## 28772	0	0	0	0	0	0	0	0	1	0	0	
## 28773	0	0	0	0	0	0	0	0	0	1	0	
## 28774	0	0	1	0	1	0	0	0	0	0	0	
## 28775	1	0	0	0	0	0	0	0	0	1	0	
## 28776	0	0	1	0	1	0	0	0	0	0	0	
## 28777	0	0	1	0	1	0	0	0	0	0	0	
## 28778	0	0	0	0	0	0	0	1	0	0	0	
## 28779	0	0	1	0	0	0	0	0	0	0	1	
## 28780	0	0	0	1	0	1	0	0	0	0	0	
## 28781	0	1	0	0	0	0	0	0	0	0	1	
## 28782	0	0	0	0	0	0	1	0	0	0	0	
## 28783	0	0	0	0	0	0	0	1	0	0	0	
## 28784	0	0	0	0	0	0	0	0	1	0	0	
## 28785	0	0	0	1	0	0	1	0	0	0	0	
## 28786	0	1	0	0	0	0	0	0	0	0	1	
## 28787	1	0	0	0	0	0	0	0	0	1	0	
## 28788	0	0	0	1	0	1	0	0	0	0	0	
## 28789	0	0	0	1	0	1	0	0	0	0	0	
## 28790	0	0	0	0	0	0	1	0	0	0	0	
## 28791	1	0	0	0	0	0	0	1	0	0	0	
## 28792	1	0	0	0	0	0	0	1	0	0	0	
## 28793	0	0	0	0	0	0	1	0	0	0	0	
## 28794	0	0	1	0	0	0	0	0	0	1	0	
## 28795	1	0	0	0	0	0	0	0	1	0	0	
## 28796	1	0	0	0	0	0	0	0	0	0	1	
## 28797	0	0	0	0	0	0	0	0	1	0	0	
## 28798	0	1	0	0	0	0	0	0	0	0	1	
## 28799	0	1	0	0	1	0	0	0	0	0	0	
## 28800	0	0	1	0	0	1	0	0	0	0	0	
## 28801	0	0	0	1	0	1	0	0	0	0	0	
## 28802	0	0	0	0	0	1	0	0	0	0	0	
## 28803	0	0	0	0	0	1	0	0	0	0	0	
## 28804	0	0	0	0	0	0	0	1	0	0	0	
## 28805	0	0	0	0	0	0	0	0	1	0	0	
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## 28807	1	0	0	0	0	0	0	0	1	0	0	
## 28808	1	0	0	0	0	0	0	0	1	0	0	
## 28809	0	1	0	0	0	0	0	0	0	0	1	
## 28810	0	1	0	0	0	0	0	0	0	0	1	
## 28811	0	0	0	0	1	0	0	0	0	0	0	
## 28812	0	0	0	0	0	1	0	0	0	0	0	
## 28813	0	0	0	0	0	0	1	0	0	0	0	
## 28814	0	0	0	0	0	1	0	0	0	0	0	
## 28815	0	0	0	0	0	0	1	0	0	0	0	

## 28816	5 1	0	0	0	0	0	0	0	0	1	0	
## 28817	7 0	0	0	1	1	0	0	0	0	0	0	
## 28818		0	0	0	0	0	0	0	1	0	0	
## 28819		0	0	0	0	0	0	1	0	0	0	
## 28826	) 1	0	0	0	0	0	0	0	1	0	0	
## 28821	L 0	0	0	0	0	0	1	0	0	0	0	
## 28822	2 0	0	0	0	0	0	0	0	1	0	0	
## 28823		0	1	0	1	0	0	0	0	0	0	
## 28824		0	0	1	0	0	0	0	0	0	1	
## 28825		0	1	0	0	0	0	0	0	0	1	
## 28826	5 0	0	1	0	1	0	0	0	0	0	0	
## 28827	7 0	0	1	0	1	0	0	0	0	0	0	
## 28828		0	0	0	0	0	0	0	1	0	0	
## 28829		0	1	0	0	0	0	0		0	1	
									0			
## 28836		0	0	0	0	0	0	0	0	1	0	
## 28831		0	1	0	1	0	0	0	0	0	0	
## 28832	2 0	0	0	0	0	0	0	1	0	0	0	
## 28833	3 0	1	0	0	0	0	0	0	0	1	0	
## 28834		0	0	0	0	0	0	0	1	0	0	
## 28835		0	0	0	0	0	0	1	0	0	0	
## 28836			1	0	0	1	0		0	0	0	
		0						0				
## 28837		0	0	0	0	0	0	0	1	0	0	
## 28838		1	0	0	0	0	0	0	0	0	1	
## 28839	9 1	0	0	0	0	0	0	0	0	0	1	
## 28846	0	0	0	0	0	0	0	1	0	0	0	
## 28841	L 0	0	1	0	0	0	0	0	0	0	1	
## 28842		0	0	1	0	0	1	0	0	0	0	
## 28843		0	0	0	0	0	1	0	0	0	0	
		0	0	0	1	0	0	0	0	0	0	
## 28845		1	0	0	0	0	0	0	0	0	1	
## 28846		0	0	0	0	0	0	1	0	0	0	
## 28847	7 0	0	0	0	0	0	0	1	0	0	0	
## 28848	3 1	0	0	0	0	0	0	0	1	0	0	
## 28849		0	0	1	0	1	0	0	0	0	0	
## 28856		0	0	0	0	0	ø	1	0	0	0	
		0	0	1	0	0	0	0	0	0	1	
## 28852		0	0	1	0	0	0	0	0	0	1	
## 28853		0	0	0	0	0	0	0	0	1	0	
## 28854	1 0	0	0	0	0	0	0	0	0	1	0	
## 28855	5 1	0	0	0	0	0	0	0	0	0	1	
## 28856		0	0	0	1	0	0	0	0	0	0	
## 28857		0	0	0	0	0	0	0	1	0	0	
## 28858		0	0	0	0	0	0	0	1	0	0	
## 28859		0	0	0	0	0	0	1	0	0	0	
## 28866		0	0	0	0	1	0	0	0	0	0	
## 28861	L 0	1	0	0	0	0	0	0	0	0	1	
## 28862	2 0	0	0	0	0	1	0	0	0	0	0	
## 28863		0	0	0	0	1	0	0	0	0	0	
## 28864		0	1	0	0	1	0	0	0	0	0	
## 28865							0				0	
## 20005	5 0	0	0	0	0	1	Ø	0	0	0	О	

##	28866	0	1	0	0	0	0	0	0	0	1	0
##	28867	0	0	1	0	1	0	0	0	0	0	0
##	28868	0	0	0	1	0	0	1	0	0	0	0
##	28869	0	0	0	0	0	0	0	0	1	0	0
##	28870	0	0	1	0	1	0	0	0	0	0	0
##	28871	0	0	0	0	0	0	0	1	0	0	0
##	28872	0	0	0	0	0	0	0	0	1	0	0
	28873	1	0	0	0	0	0	0	0	1	0	0
	28874	0	0	0	1	0	1	0	0	0	0	0
	28875	0	0	0	0	0	0	0	1	0	0	0
##	28876	0	1	0	0	0	0	0	0	0	0	1
##	28877	0	0	0	0	0	0	1	0	0	0	0
	28878	0	0	0	1	0	1	0	0	0	0	0
	28879	0	0	0	0	0	0	1	0		0	0
										0		
##	28880	0	0	0	0	0	0	1	0	0	0	0
##	28881	0	0	0	1	1	0	0	0	0	0	0
##	28882	0	0	0	0	0	1	0	0	0	0	0
##	28883	0	0	0	0	0	0	0	0	1	0	0
##	28884	0	0	0	0	0	0	0	0	1	0	0
	28885	1	0	0	0	0	0	0	0	_ 1	0	0
	28886	1	0		0	0	0	0		1	0	0
				0					0			
##	28887	1	0	0	0	0	0	0	0	0	0	1
	28888	0	1	0	0	0	0	0	0	0	0	1
##	28889	0	0	0	1	1	0	0	0	0	0	0
##	28890	0	0	0	1	0	0	0	0	0	0	1
##	28891	0	0	0	0	0	0	1	0	0	0	0
	28892	0	0	0	0	0	0	0	1	0	0	0
	28893	1	0	0	0	0	0	0	0	1	0	0
	28894	0	1	0	0	0	0	0	0	0	1	0
##	28895	0	0	1	0	0	1	0	0	0	0	0
##	28896	0	0	0	1	0	0	1	0	0	0	0
##	28897	0	0	0	1	1	0	0	0	0	0	0
##	28898	0	0	0	1	1	0	0	0	0	0	0
##	28899	0	0	0	1	0	1	0	0	0	0	0
	28900	0	0	0	0	0	0	1	0	0	0	0
	28901	0	0	0	0	0	0	1	0	0	0	0
	28902	0	0	0	0	0	0	1	0	0	0	0
	28903	0	0	0	0	0	0	0	1	0	0	0
##	28904	0	0	0	0	0	0	1	0	0	0	0
##	28905	1	0	0	0	0	0	0	1	0	0	0
##	28906	1	0	0	0	0	0	0	0	1	0	0
	28907	0	1	0	0	0	0	0	0	0	0	1
	28908	0	1	0	0	1	0	0	0	0	0	0
	28909	0	0	1	0	0	1	0	0	0	0	0
	28910	0	0	1	0	0	1	0	0	0	0	0
	28911	0	0	0	1	0	0	1	0	0	0	0
##	28912	0	0	0	1	0	1	0	0	0	0	0
	28913	0	0	0	0	0	0	1	0	0	0	0
	28914	0	0	0	0	0	1	0	0	0	0	0
	28915	0	0	0	0	0	0	1	0	0	0	0
ππ	20717	J	U	J	U	J	U	_	U	J	U	J

## 289	916	0	0	0	0	0	0	0	0	1	0	0
## 289	917	0	0	0	0	0	0	0	1	0	0	0
## 289		0	0	0	0	0	0	0	0	1	0	0
## 289		0	0	0	0	0	0	1	0	0	0	0
## 289	920	1	0	0	0	0	0	0	0	0	0	1
## 289	921	1	0	0	0	0	0	0	0	0	1	0
## 289	922	0	1	0	0	0	0	0	0	0	1	0
## 289		0	0	1	0	0	0	0	0	0	0	1
## 289		0	0	1	0	0	0	0	0	0	0	1
## 289		0	0	1	0	0	0	0	0	0	0	1
## 289	926	0	0	1	0	1	0	0	0	0	0	0
## 289	927	0	0	1	0	0	0	0	0	0	0	1
## 289		0	0	0	1	1	0	0	0	0	0	0
## 289				0	1	1	0	0			0	0
		0	0						0	0		
## 289		0	0	0	1	0	1	0	0	0	0	0
## 289	931	0	0	0	0	1	0	0	0	0	0	0
## 289	932	0	0	0	0	0	0	0	1	0	0	0
## 289	933	0	0	0	0	0	0	0	0	1	0	0
## 289		0	0	0	0	0	0	0	0	1	0	0
## 289		0	0	0	0	0	0	0	1	0	0	0
## 289		1	0	0	0	0	0	0	0	0	0	1
## 289		1	0	0	0	0	0	0	0	1	0	0
## 289	938	0	1	0	0	0	0	0	0	0	0	1
## 289	939	0	0	1	0	0	0	0	0	0	1	0
## 289	940	0	0	0	1	0	0	1	0	0	0	0
## 289		0	0	0	1	0	1	0	0	0	0	0
## 289		0	0	0	0	0	1	0	0	0	0	0
## 289					0	0	0				0	
		0	0	0				1	0	0		0
## 289		0	0	0	0	0	0	0	0	1	0	0
## 289		0	0	0	0	0	0	1	0	0	0	0
## 289	946	1	0	0	0	0	0	0	1	0	0	0
## 289	947	1	0	0	0	0	0	0	0	0	1	0
## 289	948	0	1	0	0	0	0	0	0	1	0	0
## 289		0	1	0	0	0	0	0	0	0	0	1
## 289		0	0									0
				0	1	0	0	1	0	0	0	
## 289		0	0	0	1	1	0	0	0	0	0	0
## 289		0	0	0	0	0	1	0	0	0	0	0
## 289	953	0	0	0	0	0	0	1	0	0	0	0
## 289	954	0	0	0	0	0	0	1	0	0	0	0
## 289		0	0	0	0	0	0	0	1	0	0	0
## 289		0	0	0	0	0	0	0	1	0	0	0
## 289		1	0	0	0	0	0	0	1	0	0	0
## 289		0	0	1	0	0	0	0	0	0	0	1
## 289		0	0	1	0	0	1	0	0	0	0	0
## 289	960	0	0	0	1	1	0	0	0	0	0	0
## 289	961	0	0	0	1	0	1	0	0	0	0	0
## 289		0	0	0	0	0	1	0	0	0	0	0
## 289		0	0	0	0	0	0	0	1	0	0	0
## 289		0	0	0	0	0	0	0	1	0	0	0
## 289	965	0	0	0	0	0	1	0	0	0	0	0

##	28966	0	0	0	0	0	0	0	0	1	0	0
##	28967	0	0	0	0	0	0	1	0	0	0	0
##	28968	0	0	0	0	0	0	0	0	1	0	0
##	28969	1	0	0	0	0	0	0	0	0	1	0
##	28970	1	0	0	0	0	0	0	0	1	0	0
##	28971	1	0	0	0	0	0	0	0	0	0	1
##	28972	1	0	0	0	0	0	0	0	0	0	1
	28973	0	1	0	0	0	0	0	0	0	0	1
	28974	0	1	0	0	0	0	0	0	0	0	1
	28975	0	0	1	0	1	0	0	0	0	0	0
##	28976	0	0	1	0	1	0	0	0	0	0	0
##	28977	0	0	1	0	0	0	0	0	0	0	1
	28978	0	0	1	0	0	0	0	0	0	1	0
	28979			0	1	1	0	0			0	0
		0	0						0	0		
	28980	0	0	0	1	0	1	0	0	0	0	0
##	28981	0	0	0	0	0	0	0	1	0	0	0
##	28982	0	0	0	0	0	0	1	0	0	0	0
##	28983	0	0	0	0	0	0	1	0	0	0	0
	28984	0	0	0	0	0	0	0	1	0	0	0
	28985	0	0	0	0	0	0	1	0	0	0	0
	28986	0	0	0	0	0	0	0	0	0	1	0
	28987	0	0	0	0	0	0	0	0	1	0	0
##	28988	1	0	0	0	0	0	0	1	0	0	0
##	28989	0	1	0	0	0	0	0	0	0	1	0
##	28990	0	1	0	0	0	0	0	0	1	0	0
##	28991	0	1	0	0	0	0	0	0	0	0	1
	28992	0	0	1	0	0	0	0	0	0	0	1
	28993			1	0	0	0	0			0	1
		0	0						0	0		
	28994	0	0	1	0	0	1	0	0	0	0	0
##	28995	0	0	0	1	1	0	0	0	0	0	0
##	28996	0	0	0	1	0	0	1	0	0	0	0
##	28997	0	0	0	0	1	0	0	0	0	0	0
##	28998	0	0	0	0	0	1	0	0	0	0	0
	28999	0	0	0	0	0	0	1	0	0	0	0
	29000	0			0							
			0	0		0	0	1	0	0	0	0
##	29001	0	0	0	0	0	0	0	0	1	0	0
##	29002	0	0	0	0	0	0	1	0	0	0	0
##	29003	0	0	0	0	0	0	0	0	0	1	0
##	29004	1	0	0	0	0	0	0	0	1	0	0
##	29005	0	1	0	0	0	0	0	0	1	0	0
	29006	0	1	0	0	0	0	0	0	0	1	0
	29007	0	0	1	0	0	0	0	0	0	0	1
	29008	0	0	1	0	1	0	0	0	0	0	0
	29009	0	0	1	0	1	0	0	0	0	0	0
##	29010	0	0	0	1	0	0	0	0	0	0	1
##	29011	0	0	0	1	0	0	0	0	0	0	1
	29012	0	0	0	0	0	0	1	0	0	0	0
	29013	0	0	0	0	0	1	0	0	0	0	0
	29014	0	0	0	0	0	1	0	0	0	0	0
##	29015	0	0	0	0	0	0	0	1	0	0	0

## 2001 <i>c</i>	^	0	^	0	0	^	1	0	0	^	^	
## 29016	0	0	0	0	0	0	1	0	0	0	0	
## 29017	0	0	0	0	0	0	0	0	0	1	0	
## 29018	0	0	0	0	0	0	0	1	0	0	0	
## 29019	1	0	0	0	0	0	0	0	1	0	0	
## 29020	1	0	0	0	0	0	0	0	0	1	0	
## 29021	0	0	1	0	0	0	0	0	0	1	0	
## 29022	0	0	1	0	0	1	0	0	0	0	0	
## 29023	0	0	1	0	0	1	0	0	0	0	0	
## 29024	0	0	0	1	0	0	0	0	0	0	1	
## 29025	0	0	0	0	0	0	1	0	0	0	0	
## 29026	0	0	0	0	0	0	0	1	0	0	0	
## 29027	0	0	0	0	0	0	1	0	0	0	0	
## 29028	0	0	0	0	0	0	0	1	0	0	0	
## 29029	0	0	0	0	0	0	0	0	0	1	0	
## 29030	1	0	0	0	0	0	0	0	1	0	0	
## 29031	0	1	0	0	0	0	0	0	0	0	1	
## 29032	0	0	1	0	0	0	0	0	0	0	1	
## 29033	0	0	1	0	0	1	0	0	0	0	0	
## 29034	0	0	0	1	0	0	0	0	0	0	1	
## 29035	0	0	0	1	0	1	0	0	0	0	0	
## 29036	0	0	0	1	0	0	1	0	0	0	0	
## 29037	0	0	0	0	1	0	0	0	0	0	0	
## 29038	0	0	0	0	0	0	1	0	0	0	0	
## 29039	0	0	0	0	0	0	0	1	0	0	0	
## 29040	1	0	0	0	0	0	0	0	0	1	0	
## 29041	0	0	1	0	1	0	0	0	0	0	0	
## 29042	1	0	0	0	0	0	0	0	0	0	1	
## 29043	0	1	0	0	0	0	0	0	0	0	1	
## 29044	1	0	0	0	0	0	0	0	0	1	0	
## 29045	1	0	0	0	0	0	0	0	1	0	0	
## 29046	0	0	0	0	0	0	0	0	1	0	0	
## 29047	0	0	0	0	0	0	1	0	0	0	0	
## 29048	0	0	0	0	0	0	0	1	0	0	0	
## 29049	1	0	0	0	0	0	0	0	1	0	0	
## 29050	1	0	0	0	0	0	0	0	1	0	0	
## 29051	0	1	0	0	0	0	0	0	0	0	1	
## 29052	0	1	0	0	0	0	0	0	0	1	0	
## 29053	0	1	0	0	0	0	0	0	0	0	1	
## 29054	0	1	0	0	1	0	0	0	0	0	0	
## 29055	0	0	0	1	0	1	0	0	0	0	0	
## 29056	0	0	0	1	0	1	0	0	0	0	0	
## 29057	0	0	0	0	0	0	0	1	0	0	0	
## 29058	0	0	0	0	0	0	1	0	0	0	0	
## 29059	0	0	0	0	0	0	0	1	0	0	0	
## 29060	1	0	0	0	0	0	0	1	0	0	0	
## 29061	0	1	0	0	ø	ø	ø	0	0	0	1	
## 29062	0	1	0	0	1	0	ø	0	0	0	0	
## 29063	0	0	0	1	1	0	0	0	0	0	0	
## 29064	1	0	0	0	0	0	0	1	0	0	0	
## 29065	0	1	0	0	0	0	0	0	0	1	0	
"" <b>2</b> 5005		_	0			J		U	J	_	J	

		_	_	_	_	_	_	_	_	_	_	_
##	29066	0	0	1	0	0	1	0	0	0	0	0
##	29067	0	0	0	0	0	0	0	0	1	0	0
##	29068	1	0	0	0	0	0	0	0	0	0	1
##	29069	0	0	1	0	0	1	0	0	0	0	0
	29070	0	0	0	1	0	1	0		0	0	0
##									0			
##	29071	0	0	0	0	0	0	1	0	0	0	0
##	29072	0	0	0	0	0	0	0	0	0	1	0
##	29073	1	0	0	0	0	0	0	0	0	0	1
##	29074	0	1	0	0	0	0	0	0	0	1	0
##	29075	0	0	0	0	0	0	1	0	0	0	0
##	29076	1	0	0	0	0	0	0	0	1	0	0
	29077				0			0			0	
		0	0	0		0	0		1	0		0
	29078	1	0	0	0	0	0	0	0	0	0	1
	29079	0	1	0	0	0	0	0	0	0	0	1
##	29080	1	0	0	0	0	0	0	0	0	1	0
##	29081	0	0	1	0	1	0	0	0	0	0	0
##	29082	0	1	0	0	0	0	0	0	0	1	0
##	29083	1	0	0	0	0	0	0	0	0	1	0
##	29084	0	0	0	0	0	0	0	0	0	1	0
	29085	0		0	0	0	0	0	0			0
			1							0	1	
	29086	0	0	0	0	0	1	0	0	0	0	0
##	29087	0	1	0	0	1	0	0	0	0	0	0
##	29088	0	1	0	0	0	0	0	0	0	1	0
##	29089	0	0	0	1	0	1	0	0	0	0	0
##	29090	0	0	0	1	0	1	0	0	0	0	0
##	29091	0	0	0	0	0	0	0	1	0	0	0
	29092	0	0	0	0	0	0	0	1	0	0	0
	29093	0	0	0	0	0	0	1	0	0	0	0
	29094	1	0	0	0	0	0	0	0	0	0	1
##	29095	0	0	0	1	1	0	0	0	0	0	0
##	29096	0	0	0	0	0	0	1	0	0	0	0
##	29097	0	0	0	0	0	0	0	1	0	0	0
##	29098	0	0	0	0	0	0	0	1	0	0	0
##	29099	1	0	0	0	0	0	0	0	0	1	0
##	29100	0	0	1	0	1	0	0	0	0	0	0
##	29101	0	0	0	0	0	0	0	0	1	0	0
	29102	1	0	0	0	0	0	0	0	1	0	0
	29103	0	0	1	0	0	0	0	0	0	0	1
	29104	0	0	0	1	1	0	0	0	0	0	0
	29104	0	0		0		0	0		0	0	0
				0		1			0			
	29106	0	0	0	0	0	0	0	1	0	0	0
	29107	0	1	0	0	1	0	0	0	0	0	0
	29108	0	0	1	0	0	1	0	0	0	0	0
##	29109	0	0	0	1	0	0	0	0	0	0	1
##	29110	0	1	0	0	0	0	0	0	0	1	0
	29111	0	1	0	0	0	0	0	0	0	0	1
	29112	0	0	1	0	0	0	0	0	0	1	0
	29113	0	0	0	0	0	0	0	1	0	0	0
	29114	0	0	0	0	0	1	0	0	0	0	0
##	29115	0	0	0	0	0	0	0	1	0	0	0

## 29116	0	0	0	0	0	0	0	0	1	0	0	
## 29117	1	0	0	0	0	0	0	0	0	0	1	
## 29118	0	1	0	0	0	0	0	0	1	0	0	
## 29119	0	0	1	0	1	0	0	0	0	0	0	
## 29120	0	0	0	1	0	0	0	0	0	0	1	
## 29121	0	0	0	0	0	0	0	0	0	1	0	
## 29122	0	0	1	0	0	0	0	0	0	1	0	
## 29123	0	0	1	0	1	0	0	0	0	0	0	
## 29124	0	0	0	0	0	0	0	1	0	0	0	
## 29125	0	0	0	0	0	0	0	1	0	0	0	
## 29126	0	1	0	0	0	0	0	0	0	1	0	
## 29127	0	0	0	0	0	0	1	0	0	0	0	
## 29128	0	0	0	ø	ø	0	0	1	0	0	0	
## 29129	1	0	0	0	0	0	0	0	1	0	0	
## 29130	0	0	1	0	0	0	0	0	0	0	1	
## 29131	0	0	0	0	1	0	0	0	0	0	0	
## 29132	0	0	0	0	0	1	0	0	0	0	0	
## 29133	0	0	0	0	0	0	0	1	0	0	0	
## 29134	1	0	0	0	0	0	0	0	0	0	1	
## 29135	0	1	0	0	0	0	0	0	0	0	1	
## 29136	0	0	0	0	0	0	0	0	1	0	0	
## 29137	0	1	0	0	0	0	0	0	0	0	1	
## 29138	0	0	0	1	1	0	0	0	0	0	0	
				1								
	0	0	0		0	0	0	0	0	0	1	
## 29140	0	0	0	1	0	1	0	0	0	0	0	
## 29141	0	0	0	0	0	0	0	1	0	0	0	
## 29142	1	0	0	0	0	0	0	0	1	0	0	
## 29143	0	0	0	0	0	0	0	0	1	0	0	
## 29144	1	0	0	0	0	0	0	0	0	1	0	
## 29145	0	1	0	0	0	0	0	0	1	0	0	
## 29146	0	1	0	0	1	0	0	0	0	0	0	
## 29147	0		1	0	1				0	0		
		0				0	0	0			0	
## 29148	0	0	0	0	1	0	0	0	0	0	0	
## 29149	0	0	0	0	0	0	1	0	0	0	0	
## 29150	0	0	0	0	0	0	0	0	1	0	0	
## 29151	0	0	1	0	1	0	0	0	0	0	0	
## 29152	0	0	0	1	0	1	0	0	0	0	0	
## 29153	0	0	0	0	0	0	1	0	0	0	0	
## 29154	0	0	0	0	0	0	0	1	0	0	0	
## 29155	0	0	0	0	0	0	0	0	1	0	0	
## 29156	0	0	0	1	0	0	1	0	0	0	0	
## 29157	0	0	0	1	0	1	0	0	0	0	0	
## 29158	0	0	0	0	0	0	1	0	0	0	0	
## 29159	0	0	0	0	0	0	0	0	1	0	0	
## 29160			0	0	0	0	0			0		
	0	0						0	1		0	
## 29161	1	0	0	0	0	0	0	0	0	0	1	
## 29162	0	0	1	0	1	0	0	0	0	0	0	
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## 29164	0	0	0	0	0	0	0	0	1	0	0	
## 29165	0	0	0	0	0	0	1	0	0	0	0	
. =	_	-	-	-	-	-	_	-	-	-	-	

## 29166	0	0	0	0	0	0	0	0	1	0	0	
## 29167	1	0	0	0	0	0	0	0	0	1	0	
## 29168		0	0	0	0	0	0	0	0	1	0	
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## 29171	0	0	0	1	1	0	0	0	0	0	0	
## 29172	0	1	0	0	0	0	0	0	0	1	0	
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## 29174		0	0	1	0	0	1	0	0	0	0	
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## 29178		0	0	0	0	1	0	0	0	0	0	
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## 29186			0	0	0	0	0		0	1	0	
		0						0				
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## 29190	1	0	0	0	0	0	0	0	0	1	0	
## 29191	0	0	0	0	0	0	0	1	0	0	0	
## 29192		0	0	0	0	0	0	0	1	0	0	
## 29193		0	1	0	ø	0	0	0	0	1	0	
## 29194		0	0	0	0	0	1	0	0	0	0	
## 29195		0	0	0	0	0	0	0	1	0	0	
## 29196	0	0	1	0	0	1	0	0	0	0	0	
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## 29199		0	0	0	0	0	0	0	1	0	0	
## 29200		0	0	ø	ø	1	ø	0	0	0	0	
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## 29209		0	0	0	0	0	0	1	0	0	0	
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## 29213		0	0	0	0	0	0	0	0	0	1	
## 29214		0	1	0	ø	0	0	0	0	0	1	
## 29214							0		0		0	
## 29215	0	0	0	0	0	0	Ø	1	Ø	0	О	

## 29216	0	0	0	0	0	0	1	0	0	0	0	
## 29217	0	0	0	0	0	0	0	0	0	1	0	
## 29218	0	1	0	0	0	0	0	0	0	1	0	
## 29219	0	0	1	0	0	0	0	0	0	1	0	
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## 29221	0	0	0	0	0	0	1	0	0	0	0	
## 29222	1	0	0	0	0	0	0	0	1	0	0	
## 29223			0	ø					0			
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## 29224	1	0	0	0	0	0	0	1	0	0	0	
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## 29226	0	1	0	0	0	0	0	0	0	1	0	
## 29227	0	0	1	0	1	0	0	0	0	0	0	
## 29228	ø	0	0	1	0	1	0	ø	ø	0	0	
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## 29230	0	0	0	1	0	0	1	0	0	0	0	
## 29231	0	0	0	0	0	0	0	1	0	0	0	
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## 29239	0	0	0	0		0	1	0	0	0	0	
					0							
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## 29241	0	1	0	0	0	0	0	0	0	1	0	
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## 29248	0	0	0	0	0	0	0	1	0	0	0	
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## 29252	0	0	0	0	0	0	0	1	0	0	0	
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## 29254	0	0	1	ø	ø	0	ø	ø	0	1	0	
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## 29260	0	0	0	ø	0	0	0	1	0	0	0	
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## 20266	ο	0	1	0	1	0	0	0	0	0	0	
## 29266 ## 29267	0	0	1	0	1	0	0	0	0	0	0	
	0	0	0	1	1	0	0	0	0	0	0	
## 29268	0	0	0	0	0	0	0	1	0	0	0	
## 29269	0	0	0	0	0	0	0	1	0	0	0	
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## 29271	0	1	0	0	0	0	0	0	1	0	0	
## 29272	1	0	0	0	0	0	0	1	0	0	0	
## 29273	0	0	1	0	0	0	0	0	0	1	0	
## 29274	0	0	1	0	1	0	0	0	0	0	0	
## 29275	0	0	0	1	0	1	0	0	0	0	0	
## 29276	0	0	0	0	0	0	0	1	0	0	0	
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## 29278	0	1	0	0	0	0	0	0	1	0	0	
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## 29280	0	0	0	1	0	0	0	0	0	0	1	
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## 29288	0	0	1	0	0	1	0	0	0	0	0	
## 29289	1	0	0	0	0	0	0	0	1	0	0	
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## 29292	0	0	0	0	0	0	0	1	0	0	0	
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## 29307	0	0	0	0	0	0	0	0	0	1	0	
## 29308	1	0	0	0	0	0	0	0	1	0	0	
## 29309	0	1	0	ø	ø	0	ø	ø	0	0	1	
## 29310	0	1	0	0	ø	0	0	ø	0	0	1	
## 29310	0	0	0	0	0	1	0	0	0	0	0	
## 29312	0	0	0	0	ø	0	0	ø	0	1	0	
## 29312	0	0	0	0	0	0	0	0	1	0	0	
## 29313	1	0	0	0	0	0	0	0	0	1	0	
## 29315	0	1	0	0	0	0	0	0	0	1	0	
111 27717	J	_	J	J	J	9	J	J	J	_	J	

##	29316	0	0	1	0	1	0	0	0	0	0	0
##	29317	0	0	0	0	0	0	1	0	0	0	0
##	29318	0	1	0		0	0	0	0	0	1	
					0							0
##	29319	0	0	1	0	1	0	0	0	0	0	0
##	29320	0	0	1	0	0	0	0	0	0	0	1
##	29321	1	0	0	0	0	0	0	0	0	1	0
	29322	0	0	1	0	0	0	0	0	0	1	0
	29323			0			0		0	0	0	
		0	0		1	0		0				1
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	29327	0	1	0	0	0	0	0	0	0	1	0
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##	29329	0	0	1	0	1	0	0	0	0	0	0
##	29330	0	0	0	1	0	0	1	0	0	0	0
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##	29332	0	0	0	0	0	0	0	1	0	0	0
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##	29334	0	0	1	0	0	0	0	0	0	1	0
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	29337	0	0	0	0	0	0	0	0	1	0	0
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		0	0			0		0	1	0	0	0
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	29358	0	1	0	0	0	0	0	0	0	1	0
	29359											
		0	0	1	0	0	0	0	0	0	0	1
	29360	0	0	1	0	0	0	0	0	0	0	1
##	29361	0	0	1	0	1	0	0	0	0	0	0
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	29363	0	0	0	0	0	0	0	0	1	0	0
	29364	0	0	0	0	0	0	0	1	0	0	0
##	29365	1	0	0	0	0	0	0	0	0	1	0

		_	_	_	_	_	_	_	_	_	_	_
##	29366	1	0	0	0	0	0	0	1	0	0	0
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											1	
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	29376	0	0	0	0	0	0	_ 1	0	0	0	0
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	29387	0	0	0	0	1	0	0	0	0	0	0
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##	29389	0	0	1	0	0	0	0	0	0	0	1
##	29390	0	0	0	0	0	1	0	0	0	0	0
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	29392	0	0	0	0	0	0	0	1	0	0	0
	29393	1	0	0	0	0	0	0	0	1	0	0
	29394	0	1	0	0	0	0	0	0	0		0
											1	
##	29395	0	0	1	0	0	1	0	0	0	0	0
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##	29397	0	0	0	0	0	0	0	0	1	0	0
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	29406	0	0	0	1	1	0	0	0	0	0	0
	29407	0	0	0	0	0	1	0	0	0	0	0
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	29410	0	0	0	0	0	0	0	1	0	0	0
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	29412	0	1	0	0	0	0	0	0	0	1	0
	29412											
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	29414	0	0	0	1	1	0	0	0	0	0	0
##	29415	0	0	0	1	0	0	1	0	0	0	0

20446	•	•	•	4	•		•	•	•	•	•	
## 29416	0	0	0	1	0	1	0	0	0	0	0	
## 29417	0	0	0	0	0	0	1	0	0	0	0	
## 29418	0	0	0	0	0	1	0	0	0	0	0	
## 29419	0	0	0	0	0	0	1	0	0	0	0	
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## 29421	1	0	0	0	0	0	0	0	0	0	1	
## 29422	1	0	0	0	0	0	0	0	1	0	0	
## 29423	0	1	0	0	0	0	0	0	0	0	1	
## 29424	0	0	1	0	0	0	0	0	0	1	0	
## 29425	0	0	1	0	1	0	ø	ø	0	0	0	
## 29426	0	0	1	0	0	0	0	0	0	0	1	
## 29427	0	0	0	1	1	0	0	0	0	0	0	
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## 29429	0	0	0	0	0	0	0	1	0	0	0	
## 29430	0	0	0	0	0	0	0	0	0	1	0	
## 29431	1	0	0	0	0	0	0	0	0	1	0	
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## 29433	0	1	0	0	1	0	0	0	0	0	0	
## 29434	0	0	1	0	0	0	0	0	0	0	1	
## 29435	0	0	1	0	0	1	0	0	0	0	0	
## 29436	0	0	1	0	0	0	0	0	0	0	1	
## 29437	0	0	0	1	0	0	0	0	0	0	1	
## 29438	0	0	0	0	0	0	1	0	0	0	0	
## 29439	0	0	0	0	0	1	0	0	0	0	0	
## 29440	0	0	0		0	0				0	0	
				0			1	0	0			
## 29441	0	0	0	0	0	0	0	0	1	0	0	
## 29442	0	0	0	0	0	0	0	1	0	0	0	
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## 29444	0	1	0	0	0	0	0	0	1	0	0	
## 29445	0	1	0	0	0	0	0	0	0	0	1	
## 29446	0	0	1	0	0	0	0	0	0	1	0	
## 29447	0	0	1	0	1	0	0	0	0	0	0	
## 29448	0	0	0	1	0	0	0	0	0	0	1	
## 29449	0	0	0	1	0	0	1	0	0	0	0	
## 29450	0	0	0	0	0	0	1	0	0	0	0	
## 29451	1	0	0	0	0	0	0	0	1	0	0	
## 29452	0	1	0	0	1	0	0	0	0	0	0	
## 29453	0	0	1	0	0	1	0	ø	0	0	0	
## 29454	0	0	0	1	0	1	0	0	0	0	0	
## 29455	0	0	0	0	0	1	0	0	0		0	
										0		
## 29456	0	1	0	0	0	0	0	0	1	0	0	
## 29457	0	1	0	0	0	0	0	0	1	0	0	
## 29458	0	1	0	0	1	0	0	0	0	0	0	
## 29459	0	0	1	0	0	0	0	0	0	0	1	
## 29460	0	0	0	0	0	0	1	0	0	0	0	
## 29461	1	0	0	0	0	0	0	0	0	1	0	
## 29462	0	0	0	0	0	0	0	0	1	0	0	
## 29463	0	0	0	0	0	0	0	1	0	0	0	
## 29464	0	0	0	0	0	0	0	0	1	0	0	
## 29465	0	0	0	0	0	0	0	1	0	0	0	

	20455	_	_	_	_	•	_	_	_	•	_	•
	29466	0	0	0	0	0	0	1	0	0	0	0
##	29467	0	0	0	0	0	0	0	1	0	0	0
##	29468	0	0	0	1	0	0	1	0	0	0	0
##	29469	0	0	0	0	0	0	0	1	0	0	0
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	29473	0	0	0	0	0	0	1	0	0	0	0
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##	29475	1	0	0	0	0	0	0	0	0	0	1
	29476	1	0	0	0	0	0	0	0	0	1	0
	29477	1	0	0	0	0	0	0			0	1
									0	0		
	29478	0	1	0	0	1	0	0	0	0	0	0
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	29490	0	0	0	0	0	0	0	1	0	0	0
	29491	0	0	0	0	0	0	1	0	0	0	0
	29491											
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##	29495	0	0	0	0	0	0	0	1	0	0	0
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##	29499	0	0	0	0	0	0	1	0	0	0	0
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	29511	0	1	0	0	0	0	0	0	0	0	1
	29512	0	0	1	0	1	0	0	0	0	0	0
	29513	0	0	1	0	1	0	0	0	0	0	0
	29514	0	0	1	0	0	0	0	0	0	0	1
##	29515	0	0	1	0	0	1	0	0	0	0	0

## 20F1 <i>C</i>	^	0	^	1	0	0	0	0	0	^	4	
## 29516	0	0	0	1	0	0	0	0	0	0	1	
## 29517	0	0	0	1	1	0	0	0	0	0	0	
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## 29519	0	0	0	1	0	1	0	0	0	0	0	
## 29520	0	0	0	0	0	0	1	0	0	0	0	
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## 29560	0	0	0	0	0	0	0	1	0	0	0	
## 29561	0	0	0	0	ø	ø	1	0	0	0	0	
## 29562	0	0	0	0	ø	ø	1	ø	0	0	0	
## 29563	0	0	0	0	0	0	0	1	0	0	0	
## 29564	0	0	0	ø	0	0	0	1	0	0	0	
## 29565	0	0	0	0	0	0	0	0	1	0	0	
"" ZJJ0J		•	0	U				U	_	U		

##	29566	0	0	0	0	0	0	0	1	0	0	0
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		0	0				0		0	0		
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##	29589	0	0	0	1	0	1	0	0	0	0	0
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		0	0						1	0		
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				0	1			1			0	
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##	29611	0	0	0	0	1	0	0	0	0	0	0
	29612	0	0	0	0	0	0	1	0	0	0	0
	29613	0	0	0	0	0	0	1	0	0	0	0
	29614						1	0				
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##	29615	0	0	0	0	0	0	1	0	0	0	0

## 29617 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0	HH 20616	0	^	^	^	0	0	0		^	•	0	
## 29618 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0	## 29616	0	0	0	0	0	0	0	1	0	0	0	
## 29619 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29621 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0													
## 29621 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					0						1		
## 29622 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	0	0	0	0	1	0	0	0	
## 29623 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0	## 29621	0	0	0	0	0	0	0	1	0	0	0	
## 29624 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0	## 29622	0	0	0	0	0	0	0	0	0	1	0	
## 29625 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0	## 29623	0	0	0	0	0	0	0	1	0	0	0	
## 29625 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0	## 29624	0	0	0	0	0	0	0	0	1	0	0	
## 29626								0					
## 29627													
## 29628													
## 29629 0 1 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0													
## 29630 0 1 0 0 0 0 0 0 0 0 0 0 1 ## 29631 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29631 0 1 0 0 0 0 0 0 0 0 0 0 0 1 ## 29632 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 ## 29633 0 0 1 0 0 0 0 0 0 0 0 1 0 ## 29635 0 0 1 0 0 0 0 0 0 0 0 0 1 ## 29637 0 0 0 1 1 0 0 0 0 0 0 0 0 0 ## 29638 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 ## 29639 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 1 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 1 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 1 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29632													
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## 29634 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 1 0 ## 29645 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
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## 29639 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0			1	0	0	1	0				
## 29640 0 0 0 0 0 0 0 1 0 0 0 0 0 0 ## 29651 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	0	0	1	0	0	0	0	0	
## 29641 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	## 29639	0	0	0	0	0	0	0	1	0	0	0	
## 29642 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 29640	0	0	0	0	0	0	1	0	0	0	0	
## 29643 0 0 0 0 0 0 0 1 0 0 0 0 0 0 ## 29664 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	## 29641	0	0	0	0	1	0	0	0	0	0	0	
## 29644 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	## 29642	0	0	0	0	0	0	1	0	0	0	0	
## 29645 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 29643	0	0	0	0	0	0	1	0	0	0	0	
## 29646 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 29644	0	0	0	0	0	0	0	1	0	0	0	
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## 29647 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 29646	0	0	0	0	0	0	1	0	0	0		
## 29648 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0													
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## 29656 0 1 0 0 0 0 0 0 0 0 0 1 ## 29657 0 1 0 0 0 0 0 0 0 0 0 0 1 ## 29658 0 1 0 0 0 0 0 0 0 0 0 0 1 ## 29659 0 1 0 0 1 0 0 0 0 0 0 0 0 0 ## 29660 0 1 0 0 1 0 0 0 0 0 0 0 ## 29661 0 0 1 0 0 1 0 0 0 0 0 0 ## 29662 0 0 0 1 1 0 0 0 0 0 0 0 ## 29663 0 0 0 1 0 1 0 0 0 0 0 0 ## 29664 0 0 0 1 0 1 0 0 0 0 0													
## 29657 0 1 0 0 0 0 0 0 0 0 0 1 ## 29658 0 1 0 0 0 0 0 0 0 0 0 1 ## 29659 0 1 0 0 1 0 0 0 0 0 0 0 0 ## 29660 0 1 0 0 1 0 0 0 0 0 0 ## 29661 0 0 1 0 0 1 0 0 0 0 0 0 ## 29662 0 0 0 1 1 0 0 0 0 0 0 0 ## 29663 0 0 0 1 0 1 0 0 0 0 0 0 ## 29664 0 0 0 1 0 1 0 0 0 0 0													
## 29658 0 1 0 0 0 0 0 0 0 0 0 1 ## 29659 0 1 0 0 1 0 0 0 0 0 0 0 0 ## 29660 0 1 0 0 1 0 0 0 0 0 0 0 ## 29661 0 0 1 0 0 1 0 0 0 0 0 0 ## 29662 0 0 0 1 1 0 0 0 0 0 0 0 ## 29663 0 0 0 1 0 1 0 0 0 0 0 0													
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									0			
##	29669	0	0	0	0	0	1	0	0	0	0	0
##	29670	0	0	0	0	0	1	0	0	0	0	0
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	29673			0	0					0		
		0	0			0	0	0	0		1	0
##	29674	1	0	0	0	0	0	0	0	0	1	0
##	29675	1	0	0	0	0	0	0	0	0	0	1
##	29676	1	0	0	0	0	0	0	0	1	0	0
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##	29682	0	1	0	0	0	0	0	0	0	1	0
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##	29684	0	1	0	0	0	0	0	0	0	1	0
##	29685	0	1	0	0	1	0	0	0	0	0	0
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	29693			0	1					0		
		0	0			0	1	0	0		0	0
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##	29698	0		0			0					
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	29707	1	0	0	0	0	0	0	0	1	0	0
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		0										0
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## 29	736	0	0	0	0	0	0	0	1	0	0	0
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## 29	756	1	0	0	0	0	0	0	0	0	0	1
## 29	757	0	1	0	0	0	0	0	0	1	0	0
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## 29		0	0	1	0	1	0	0	0	0	0	0
		_										
## 29		0	0	1	0	0	0	0	0	0	1	0
## 29		0	0	1	0	0	0	0	0	0	1	0
## 29	762	0	0	0	1	0	1	0	0	0	0	0
## 29	763	0	0	0	1	0	1	0	0	0	0	0
## 29		0	0	0	1	1	0	0	0	0	0	0
## 29		0	0	0	0	0	1	0	0	0	0	0
23	. 03	_	,	•	_	-	_	-	_	_	•	_

##	29766	0	0	0	0	0	1	0	0	0	0	0	
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##			X0.19	) pre	d_X0.1		dictio	ns					
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##		0.00000			yes	-5.73							
##	28007	0.00000			yes	-5.73							
##	28008				yes	-5.73							
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11.11	20040	0 00000					72006						

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yes

## 28010 0.0000000000 -5.7372896 yes ## 28011 0.0007662835 -5.7372896 yes ## 28012 0.0000000000 -5.7372896 yes ## 28013 0.0015325670 yes -5.7372896 ## 28014 0.00000000000 yes -5.7372896 ## 28015 0.0000000000 yes -5.7372896 ## 28016 0.0000000000 yes -5.7372896 ## 28017 0.0000000000 -5.7372896 yes ## 28018 0.0000000000 -5.7372896 yes ## 28019 0.0015325670 yes -5.7372896 ## 28020 0.0007662835 yes -5.7372896 ## 28021 0.0000000000 -5.7372896 yes ## 28022 0.0160919540 yes -5.7372896 ## 28023 0.00000000000 yes -5.7372896 ## 28024 0.0007662835 -5.7372896 yes ## 28025 0.0000000000 -5.7372896 yes ## 28026 0.0000000000 -5.7372896 yes ## 28027 0.0000000000 -5.7372896 yes ## 28028 0.0000000000 -5.7372896 yes

## 28029 0.0007662835

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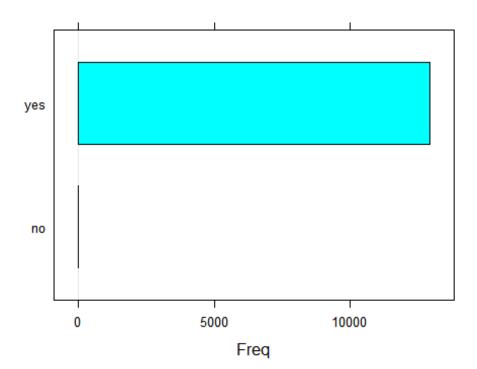
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  [ reached getOption("max.print") -- omitted 11160 rows ]
# summarize results
#confusionMatrix<- confusionMatrix(pred$predictions,pred$X0.19)</pre>
#confusionMatrix
barchart(Features Test$pred X0.19)
```



## R Markdown

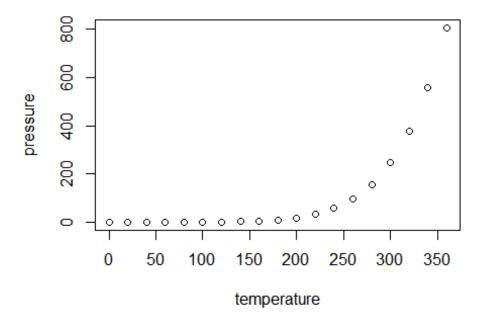
This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <a href="http://rmarkdown.rstudio.com">http://rmarkdown.rstudio.com</a>.

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.