

Feature Training log regression

- 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 trends 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.

4
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

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/Training/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)))}
Features_norm<-as.data.frame(lapply(Features,normalize))
Features_norm
```

```
##           X634995           X0           X463           X1           X0.0
## 1  1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 2  1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 3  1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 4  1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 5  1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 6  1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 7  1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 8  1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 9  1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 10 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 11 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 12 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 13 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 14 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 15 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
```

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## 664	0.0029901751	1.708672e-03	0.0017086715	0.0020885105
## 665	0.0029901751	1.708672e-03	0.0017086715	0.0020885105
## 666	0.0029901751	1.708672e-03	0.0017086715	0.0020885105
## 667	0.0029901751	1.708672e-03	0.0017086715	0.0020885105
## 668	0.0029901751	1.708672e-03	0.0017086715	0.0020885105
## 669	0.0000000000	0.000000e+00	0.0000000000	0.0000000000
## 670	0.0000000000	0.000000e+00	0.0000000000	0.0000000000
## 671	0.0000000000	0.000000e+00	0.0000000000	0.0000000000
## 672	0.0000000000	0.000000e+00	0.0000000000	0.0000000000
## 673	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
## 674	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
## 675	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
## 676	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
## 677	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
## 678	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
## 679	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 680	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 681	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 682	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 683	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 684	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 685	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 686	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 687	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 688	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 689	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 690	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 691	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 692	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 693	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 694	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 695	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 696	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 697	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 698	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 699	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 700	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 701	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 702	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 703	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
## 704	0.0136693721	1.366937e-02	0.0136693721	0.0000000000
## 705	0.0017086715	3.185659e-04	0.0000000000	0.0014149276
## 706	0.0017086715	3.185659e-04	0.0000000000	0.0014149276
## 707	0.0017086715	3.185659e-04	0.0000000000	0.0014149276
## 708	0.0017086715	3.185659e-04	0.0000000000	0.0014149276
## 709	0.0017086715	3.185659e-04	0.0000000000	0.0014149276
## 710	0.0017086715	3.185659e-04	0.0000000000	0.0014149276
## 711	0.0017086715	3.185659e-04	0.0000000000	0.0014149276
## 712	0.0017086715	3.185659e-04	0.0000000000	0.0014149276
## 713	0.0017086715	3.185659e-04	0.0000000000	0.0014149276

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## 660	0.0708265521	0.00000000	0.058566978	2.086453e-02
## 661	0.0708265521	0.00000000	0.058566978	2.086453e-02
## 662	0.0708265521	0.00000000	0.058566978	2.086453e-02
## 663	0.0010039736	0.00000000	0.002492212	4.569505e-03
## 664	0.0010039736	0.00000000	0.002492212	4.569505e-03
## 665	0.0010039736	0.00000000	0.002492212	4.569505e-03
## 666	0.0010039736	0.00000000	0.002492212	4.569505e-03
## 667	0.0010039736	0.00000000	0.002492212	4.569505e-03
## 668	0.0010039736	0.00000000	0.002492212	4.569505e-03
## 669	0.0000000000	0.00000000	0.000000000	0.000000e+00
## 670	0.0000000000	0.00000000	0.000000000	0.000000e+00
## 671	0.0000000000	0.00000000	0.000000000	0.000000e+00
## 672	0.0000000000	0.00000000	0.000000000	0.000000e+00
## 673	0.0883503862	0.00000000	0.077881620	7.768158e-02
## 674	0.0883503862	0.00000000	0.077881620	7.768158e-02
## 675	0.0883503862	0.00000000	0.077881620	7.768158e-02
## 676	0.0883503862	0.00000000	0.077881620	7.768158e-02
## 677	0.0883503862	0.00000000	0.077881620	7.768158e-02
## 678	0.0883503862	0.00000000	0.077881620	7.768158e-02
## 679	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 680	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 681	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 682	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 683	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 684	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 685	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 686	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 687	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 688	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 689	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 690	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 691	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 692	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 693	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 694	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 695	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 696	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 697	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 698	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 699	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 700	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 701	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 702	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 703	0.0024631545	0.00000000	0.003738318	1.370851e-03
## 704	0.0000000000	0.04012346	0.008099688	2.970178e-02
## 705	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 706	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 707	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 708	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 709	0.0015492494	0.00000000	0.001869159	6.195938e-04

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## 658	0.006928406	0.0274193298	0.0005200208	0.1300366300
## 659	0.006928406	0.0274193298	0.0005200208	0.1300366300
## 660	0.006928406	0.0274193298	0.0005200208	0.1300366300
## 661	0.006928406	0.0274193298	0.0005200208	0.1300366300
## 662	0.006928406	0.0274193298	0.0005200208	0.1300366300
## 663	0.004618938	0.0024192301	0.0010400416	0.0032051282
## 664	0.004618938	0.0024192301	0.0010400416	0.0032051282
## 665	0.004618938	0.0024192301	0.0010400416	0.0032051282
## 666	0.004618938	0.0024192301	0.0010400416	0.0032051282
## 667	0.004618938	0.0024192301	0.0010400416	0.0032051282
## 668	0.004618938	0.0024192301	0.0010400416	0.0032051282
## 669	0.000000000	0.0000000000	0.0000000000	0.0000000000
## 670	0.000000000	0.0000000000	0.0000000000	0.0000000000
## 671	0.000000000	0.0000000000	0.0000000000	0.0000000000
## 672	0.000000000	0.0000000000	0.0000000000	0.0000000000
## 673	0.047344111	0.0789054801	0.0000000000	0.0421245421
## 674	0.047344111	0.0789054801	0.0000000000	0.0421245421
## 675	0.047344111	0.0789054801	0.0000000000	0.0421245421
## 676	0.047344111	0.0789054801	0.0000000000	0.0421245421
## 677	0.047344111	0.0789054801	0.0000000000	0.0421245421
## 678	0.047344111	0.0789054801	0.0000000000	0.0421245421
## 679	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 680	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 681	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 682	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 683	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 684	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 685	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 686	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 687	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 688	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 689	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 690	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 691	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 692	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 693	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 694	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 695	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 696	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 697	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 698	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 699	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 700	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 701	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 702	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 703	0.000000000	0.0029030761	0.0000000000	0.0032051282
## 704	0.030023095	0.0000000000	0.0150806032	0.0132783883
## 705	0.000000000	0.0011354453	0.0000000000	0.0013736264
## 706	0.000000000	0.0011354453	0.0000000000	0.0013736264
## 707	0.000000000	0.0011354453	0.0000000000	0.0013736264

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## 656	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
## 657	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
## 658	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
## 659	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
## 660	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
## 661	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
## 662	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
## 663	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
## 664	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
## 665	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
## 666	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
## 667	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
## 668	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
## 669	0.000000e+00	0.0000000000	0.0000000000	0.4153238066
## 670	0.000000e+00	0.0000000000	0.0000000000	0.4153238066
## 671	0.000000e+00	0.0000000000	0.0000000000	0.4153238066
## 672	0.000000e+00	0.0000000000	0.0000000000	0.4153238066
## 673	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
## 674	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
## 675	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
## 676	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
## 677	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
## 678	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
## 679	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 680	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 681	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 682	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 683	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 684	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 685	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 686	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 687	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 688	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 689	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 690	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 691	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 692	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 693	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 694	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 695	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 696	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 697	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 698	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 699	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 700	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 701	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 702	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 703	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
## 704	1.508060e-02	0.0150806032	0.0000000000	0.4113712375
## 705	3.613704e-04	0.0000000000	0.0013416659	0.4144116753

## 654	0.21375383	0.100132213	0.12935323	0.0501084884
## 655	0.21375383	0.100132213	0.12935323	0.0501084884
## 656	0.21375383	0.100132213	0.12935323	0.0501084884
## 657	0.21375383	0.100132213	0.12935323	0.0501084884
## 658	0.21375383	0.100132213	0.12935323	0.0501084884
## 659	0.21375383	0.100132213	0.12935323	0.0501084884
## 660	0.21375383	0.100132213	0.12935323	0.0501084884
## 661	0.21375383	0.100132213	0.12935323	0.0501084884
## 662	0.21375383	0.100132213	0.12935323	0.0501084884
## 663	0.08935611	0.097882978	0.12980552	0.0018332012
## 664	0.08935611	0.097882978	0.12980552	0.0018332012
## 665	0.08935611	0.097882978	0.12980552	0.0018332012
## 666	0.08935611	0.097882978	0.12980552	0.0018332012
## 667	0.08935611	0.097882978	0.12980552	0.0018332012
## 668	0.08935611	0.097882978	0.12980552	0.0018332012
## 669	0.08935611	0.098664167	0.13025780	0.0000000000
## 670	0.08935611	0.098664167	0.13025780	0.0000000000
## 671	0.08935611	0.098664167	0.13025780	0.0000000000
## 672	0.08935611	0.098664167	0.13025780	0.0000000000
## 673	0.09417433	0.096554957	0.12777024	0.0114418607
## 674	0.09417433	0.096554957	0.12777024	0.0114418607
## 675	0.09417433	0.096554957	0.12777024	0.0114418607
## 676	0.09417433	0.096554957	0.12777024	0.0114418607
## 677	0.09417433	0.096554957	0.12777024	0.0114418607
## 678	0.09417433	0.096554957	0.12777024	0.0114418607
## 679	0.09110819	0.098701664	0.13025780	0.0021646208
## 680	0.09110819	0.098701664	0.13025780	0.0021646208
## 681	0.09110819	0.098701664	0.13025780	0.0021646208
## 682	0.09110819	0.098701664	0.13025780	0.0021646208
## 683	0.09110819	0.098701664	0.13025780	0.0021646208
## 684	0.09110819	0.098701664	0.13025780	0.0021646208
## 685	0.09110819	0.098701664	0.13025780	0.0021646208
## 686	0.09110819	0.098701664	0.13025780	0.0021646208
## 687	0.09110819	0.098701664	0.13025780	0.0021646208
## 688	0.09110819	0.098701664	0.13025780	0.0021646208
## 689	0.09110819	0.098701664	0.13025780	0.0021646208
## 690	0.09110819	0.098701664	0.13025780	0.0021646208
## 691	0.09110819	0.098701664	0.13025780	0.0021646208
## 692	0.09110819	0.098701664	0.13025780	0.0021646208
## 693	0.09110819	0.098701664	0.13025780	0.0021646208
## 694	0.09110819	0.098701664	0.13025780	0.0021646208
## 695	0.09110819	0.098701664	0.13025780	0.0021646208
## 696	0.09110819	0.098701664	0.13025780	0.0021646208
## 697	0.09110819	0.098701664	0.13025780	0.0021646208
## 698	0.09110819	0.098701664	0.13025780	0.0021646208
## 699	0.09110819	0.098701664	0.13025780	0.0021646208
## 700	0.09110819	0.098701664	0.13025780	0.0021646208
## 701	0.09110819	0.098701664	0.13025780	0.0021646208
## 702	0.09110819	0.098701664	0.13025780	0.0021646208
## 703	0.09110819	0.098701664	0.13025780	0.0021646208

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## 2	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 3	0.0029901751	0.0000000000	0.001869159	0.0032051282	0.3956458636
## 4	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 5	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 6	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 7	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 8	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 9	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 10	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 11	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 12	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 13	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 14	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 15	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636
## 16	0.0012815036	0.0000000000	0.001869159	0.0009157509	0.3956458636
## 17	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 18	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 19	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 20	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 21	0.0328919265	0.0221260221	0.019314642	0.0338827839	0.4008708273
## 22	0.0025630073	0.0000000000	0.000623053	0.0027472527	0.3962264151
## 23	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 24	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 25	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 26	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.3976777939
## 27	0.0123878684	0.0014430014	0.006853583	0.0114468864	0.3941944848
## 28	0.0012815036	0.0004810005	0.001246106	0.0013736264	0.3962264151
## 29	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 30	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 31	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 32	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 33	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 34	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 35	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 36	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 37	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 38	0.0034173430	0.0038480038	0.0000000000	0.0036630037	0.3988388970
## 39	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 40	0.0012815036	0.0004810005	0.001246106	0.0009157509	0.3962264151
## 41	0.0004271679	0.0000000000	0.000623053	0.0000000000	0.3962264151
## 42	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 43	0.0081161897	0.0004810005	0.011214953	0.0082417582	0.3915820029
## 44	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 45	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 46	0.0162323793	0.0014430014	0.011214953	0.0151098901	0.3921625544
## 47	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 48	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636
## 49	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 50	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 51	0.0021358394	0.0000000000	0.0000000000	0.0022893773	0.3965166909

## 52	0.0004271679	0.0004810005	0.0000000000	0.0000000000	0.3968069666
## 53	0.0021358394	0.0019240019	0.000623053	0.0009157509	0.3973875181
## 54	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 55	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 56	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 57	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 58	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 59	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 60	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 61	0.0294745835	0.0168350168	0.021183801	0.0297619048	0.3968069666
## 62	0.0068346860	0.0052910053	0.003115265	0.0013736264	0.3982583454
## 63	0.0072618539	0.0000000000	0.010591900	0.0077838828	0.3915820029
## 64	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 65	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 66	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.3973875181
## 67	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 68	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 69	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 70	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 71	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 72	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 73	0.0025630073	0.0028860029	0.0000000000	0.0000000000	0.3982583454
## 74	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 75	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 76	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 77	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 78	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 79	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.3965166909
## 80	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 81	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 82	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 83	0.0029901751	0.0004810005	0.003738318	0.0032051282	0.3950653120
## 84	0.0025630073	0.0000000000	0.0000000000	0.0027472527	0.3965166909
## 85	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 86	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 87	0.0042716788	0.0000000000	0.006230530	0.0045787546	0.3936139332
## 88	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 89	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0018315018	0.3976777939
## 93	0.0004271679	0.0004810005	0.0000000000	0.0000000000	0.3968069666
## 94	0.0038445109	0.0004810005	0.000623053	0.0032051282	0.3965166909
## 95	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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
## 101	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636

## 102	0.0354549338	0.0033670034	0.047352025	0.0352564103	0.3764876633
## 103	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 104	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 105	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 106	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 107	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 108	0.0021358394	0.0000000000	0.003115265	0.0022893773	0.3950653120
## 109	0.0046988466	0.0052910053	0.000000000	0.0018315018	0.3997097242
## 110	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 111	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.3968069666
## 112	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 113	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 114	0.0008543358	0.0000000000	0.000623053	0.0009157509	0.3962264151
## 115	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 116	0.0025630073	0.0028860029	0.000000000	0.0027472527	0.3982583454
## 117	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 118	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.3970972424
## 119	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 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
## 124	0.0008543358	0.0004810005	0.000623053	0.0004578755	0.3965166909
## 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	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 134	0.5040580948	0.1130351130	0.588785047	0.5036630037	0.1904208999
## 135	0.1973515592	0.2222222222	0.000000000	0.2115384615	0.5306240929
## 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
## 141	0.3049978642	0.0692640693	0.355140187	0.3154761905	0.2728592163
## 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
## 146	0.3348996155	0.0072150072	0.073520249	0.3292124542	0.3666182874
## 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

## 452	0.0431439556	0.0072150072	0.053582555	0.0393772894	0.3759071118
## 453	0.0200768902	0.0014430014	0.011214953	0.0183150183	0.3921625544
## 454	0.0346005980	0.0076960077	0.040498442	0.0343406593	0.3822931785
## 455	0.0380179411	0.0009620010	0.021806854	0.0347985348	0.3869375907
## 456	0.0303289193	0.0341510342	0.000000000	0.0325091575	0.4171262700
## 457	0.0709098676	0.0110630111	0.089096573	0.0686813187	0.3616835994
## 458	0.0461341307	0.0182780183	0.043613707	0.0421245421	0.3872278665
## 459	0.0119607006	0.0014430014	0.015576324	0.0114468864	0.3901306241
## 460	0.0333190944	0.0375180375	0.000000000	0.0357142857	0.4191582003
## 461	0.1055104656	0.0072150072	0.026791277	0.1025641026	0.3883889695
## 462	0.0158052114	0.0177970178	0.000000000	0.0169413919	0.4072568940
## 463	0.0021358394	0.0024050024	0.000000000	0.0022893773	0.3979680697
## 464	0.0337462623	0.0158730159	0.028660436	0.0325091575	0.3927431060
## 465	0.0935497651	0.0163540164	0.034890966	0.0787545788	0.3901306241
## 466	0.0516873131	0.0009620010	0.006230530	0.0508241758	0.3941944848
## 467	0.0132422042	0.0038480038	0.014330218	0.0137362637	0.3921625544
## 468	0.0123878684	0.0139490139	0.000000000	0.0132783883	0.4049346880
## 469	0.0175138830	0.0197210197	0.000000000	0.0187728938	0.4084179971
## 470	0.1238786843	0.0957190957	0.056697819	0.1304945055	0.4278664731
## 471	0.0585219991	0.0658970659	0.000000000	0.0627289377	0.4362844702
## 472	0.0627936779	0.0048100048	0.014330218	0.0618131868	0.3927431060
## 473	0.0986757796	0.1111111111	0.000000000	0.1057692308	0.4635703919
## 474	0.0747543785	0.0101010101	0.055451713	0.0691391941	0.3767779390
## 475	0.0234942332	0.0086580087	0.023052960	0.0233516484	0.3910014514
## 476	0.0222127296	0.0250120250	0.000000000	0.0238095238	0.4116110305
## 477	0.1217428449	0.0933140933	0.056697819	0.1282051282	0.4264150943
## 478	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 479	0.0495514737	0.0091390091	0.060436137	0.0494505495	0.3738751814
## 480	0.0461341307	0.0432900433	0.011214953	0.0480769231	0.4174165457
## 481	0.0132422042	0.0038480038	0.014330218	0.0137362637	0.3921625544
## 482	0.0538231525	0.0014430014	0.008722741	0.0526556777	0.3933236575
## 483	0.1080734729	0.1216931217	0.000000000	0.1158424908	0.4699564586
## 484	0.0704826997	0.0052910053	0.008099688	0.0663919414	0.3959361393
## 485	0.2101665955	0.1010101010	0.175700935	0.2115384615	0.3756168360
## 486	0.0662110209	0.0745550746	0.000000000	0.0709706960	0.4415094340
## 487	0.2473302008	0.2299182299	0.062928349	0.2637362637	0.5059506531
## 488	0.0508329774	0.0572390572	0.000000000	0.0544871795	0.4310595065
## 489	0.0730457070	0.0057720058	0.021183801	0.0668498168	0.3901306241
## 490	0.0568133276	0.0202020202	0.056697819	0.0480769231	0.3822931785
## 491	0.1516445963	0.1707551708	0.000000000	0.1625457875	0.4995645864
## 492	0.0832977360	0.0937950938	0.000000000	0.0892857143	0.4531204644
## 493	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 494	0.0875694148	0.0019240019	0.023676012	0.0792124542	0.3866473149
## 495	0.1183255019	0.0072150072	0.043613707	0.1158424908	0.3805515239
## 496	0.0982486117	0.1106301106	0.000000000	0.1053113553	0.4632801161
## 497	0.1302862025	0.1467051467	0.000000000	0.1396520147	0.4850507983
## 498	0.1260145237	0.0192400192	0.158878505	0.1181318681	0.3341074020
## 499	0.0709098676	0.0798460798	0.000000000	0.0760073260	0.4447024673
## 500	0.0448526271	0.0505050505	0.000000000	0.0480769231	0.4269956459
## 501	0.0687740282	0.0774410774	0.000000000	0.0737179487	0.4432510885

## 502	0.0563861598	0.0057720058	0.009345794	0.0503663004	0.3956458636
## 503	0.0200768902	0.0226070226	0.000000000	0.0215201465	0.4101596517
## 504	0.0563861598	0.0120250120	0.066666667	0.0517399267	0.3727140784
## 505	0.0649295173	0.0076960077	0.084735202	0.0622710623	0.3616835994
## 506	0.0380179411	0.0428090428	0.000000000	0.0407509158	0.4223512337
## 507	0.0709098676	0.0067340067	0.036760125	0.0654761905	0.3834542816
## 508	0.0277659120	0.0312650313	0.000000000	0.0297619048	0.4153846154
## 509	0.0926954293	0.0072150072	0.018691589	0.0865384615	0.3921625544
## 510	0.0653566852	0.0000000000	0.006230530	0.0663919414	0.3936139332
## 511	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 512	0.1601879539	0.1803751804	0.000000000	0.1717032967	0.5053701016
## 513	0.0683468603	0.0769600770	0.000000000	0.0732600733	0.4429608128
## 514	0.0337462623	0.0379990380	0.000000000	0.0361721612	0.4194484761
## 515	0.0640751815	0.0033670034	0.019937695	0.0641025641	0.3892597968
## 516	0.0422896198	0.0476190476	0.000000000	0.0453296703	0.4252539913
## 517	0.0392994447	0.0442520443	0.000000000	0.0421245421	0.4232220610
## 518	0.1247330201	0.0235690236	0.151401869	0.1135531136	0.3402031930
## 519	0.0486971380	0.0004810005	0.014953271	0.0448717949	0.3898403483
## 520	0.0640751815	0.0721500722	0.000000000	0.0686813187	0.4400580552
## 521	0.0264844084	0.0033670034	0.012461059	0.0242673993	0.3927431060
## 522	0.2652712516	0.2987012987	0.000000000	0.2843406593	0.5767779390
## 523	0.0666381888	0.0072150072	0.087850467	0.0682234432	0.3599419448
## 524	0.0559589919	0.0096200096	0.069158879	0.0581501832	0.3701015965
## 525	0.0756087142	0.0043290043	0.039252336	0.0764652015	0.3808417997
## 526	0.0879965827	0.0134680135	0.110903427	0.0915750916	0.3529753266
## 527	0.1281503631	0.1443001443	0.000000000	0.1373626374	0.4835994194
## 528	0.0649295173	0.0731120731	0.000000000	0.0695970696	0.4406386067
## 529	0.1516445963	0.0803270803	0.117133956	0.1474358974	0.3904208999
## 530	0.0234942332	0.0033670034	0.029906542	0.0233516484	0.3846153846
## 531	0.1127723195	0.0076960077	0.036137072	0.1089743590	0.3843251089
## 532	0.0589491670	0.0067340067	0.044859813	0.0558608059	0.3796806967
## 533	0.0585219991	0.0206830207	0.058566978	0.0567765568	0.3817126270
## 534	0.0392994447	0.0168350168	0.035514019	0.0398351648	0.3901306241
## 535	0.0709098676	0.0798460798	0.000000000	0.0760073260	0.4447024673
## 536	0.0085433575	0.0004810005	0.011838006	0.0086996337	0.3912917271
## 537	0.0234942332	0.0014430014	0.024299065	0.0238095238	0.3860667634
## 538	0.0089705254	0.0000000000	0.004984424	0.0096153846	0.3941944848
## 539	0.1140538232	0.0033670034	0.014953271	0.1135531136	0.3915820029
## 540	0.0867150790	0.0033670034	0.046728972	0.0869963370	0.3767779390
## 541	0.0533959846	0.0004810005	0.030529595	0.0567765568	0.3825834543
## 542	0.0533959846	0.0601250601	0.000000000	0.0572344322	0.4328011611
## 543	0.1187526698	0.0134680135	0.082866044	0.1135531136	0.3660377358
## 544	0.0589491670	0.0072150072	0.076635514	0.0572344322	0.3651669086
## 545	0.0089705254	0.0000000000	0.003115265	0.0077838828	0.3950653120
## 546	0.0192225545	0.0019240019	0.011838006	0.0178571429	0.3921625544
## 547	0.1144809910	0.0028860029	0.163239875	0.1208791209	0.3222060958
## 548	0.0683468603	0.0769600770	0.000000000	0.0732600733	0.4429608128
## 549	0.0739000427	0.0832130832	0.000000000	0.0792124542	0.4467343977
## 550	0.1683041435	0.0312650313	0.204984424	0.1781135531	0.3198838897
## 551	0.0692011961	0.0779220779	0.000000000	0.0741758242	0.4435413643

## 552	0.0521144810	0.0163540164	0.054828660	0.0540293040	0.3808417997
## 553	0.0512601452	0.0038480038	0.069781931	0.0517399267	0.3663280116
## 554	0.1431012388	0.1611351611	0.000000000	0.1533882784	0.4937590711
## 555	0.1097821444	0.0548340548	0.089096573	0.1167582418	0.3880986938
## 556	0.0674925246	0.0274170274	0.062928349	0.0682234432	0.3837445573
## 557	0.0046988466	0.000000000	0.001869159	0.0036630037	0.3956458636
## 558	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.3968069666
## 559	0.0234942332	0.0033670034	0.013707165	0.0206043956	0.3921625544
## 560	0.0029901751	0.0014430014	0.002492212	0.0032051282	0.3962264151
## 561	0.0123878684	0.0028860029	0.014330218	0.0132783883	0.3915820029
## 562	0.0098248612	0.0110630111	0.000000000	0.0105311355	0.4031930334
## 563	0.0012815036	0.0014430014	0.000000000	0.0013736264	0.3973875181
## 564	0.0046988466	0.0019240019	0.004361371	0.0045787546	0.3956458636
## 565	0.0145237078	0.0163540164	0.000000000	0.0155677656	0.4063860668
## 566	0.0068346860	0.0014430014	0.008099688	0.0064102564	0.3936139332
## 567	0.0140965399	0.0033670034	0.016199377	0.0137362637	0.3910014514
## 568	0.0119607006	0.0009620010	0.016199377	0.0119047619	0.3895500726
## 569	0.0158052114	0.0062530063	0.014953271	0.0155677656	0.3933236575
## 570	0.0093976933	0.0019240019	0.006230530	0.0077838828	0.3947750363
## 571	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.3970972424
## 572	0.0247757369	0.0278980279	0.000000000	0.0265567766	0.4133526851
## 573	0.0281930799	0.0072150072	0.031775701	0.0256410256	0.3860667634
## 574	0.0055531824	0.0062530063	0.000000000	0.0059523810	0.4002902758
## 575	0.0051260145	0.0009620010	0.006230530	0.0054945055	0.3941944848
## 576	0.0115335327	0.0024050024	0.013707165	0.0119047619	0.3915820029
## 577	0.0051260145	0.0057720058	0.000000000	0.0054945055	0.4000000000
## 578	0.0183682187	0.0206830207	0.000000000	0.0196886447	0.4089985486
## 579	0.0093976933	0.0024050024	0.010591900	0.0096153846	0.3930333817
## 580	0.0183682187	0.0014430014	0.024922118	0.0187728938	0.3857764877
## 581	0.0093976933	0.0004810005	0.001869159	0.0082417582	0.3959361393
## 582	0.0064075182	0.0009620010	0.008099688	0.0064102564	0.3933236575
## 583	0.0025630073	0.0014430014	0.001869159	0.0027472527	0.3965166909
## 584	0.1213156771	0.1366041366	0.000000000	0.1300366300	0.4789550073
## 585	0.0106791969	0.0019240019	0.013084112	0.0100732601	0.3915820029
## 586	0.0021358394	0.0024050024	0.000000000	0.0022893773	0.3979680697
## 587	0.0149508757	0.0091390091	0.009968847	0.0160256410	0.3973875181
## 588	0.0606578385	0.0062530063	0.020560748	0.0549450549	0.3907111756
## 589	0.0196497223	0.0081770082	0.018068536	0.0178571429	0.3930333817
## 590	0.0008543358	0.0004810005	0.000623053	0.0009157509	0.3965166909
## 591	0.0012815036	0.000000000	0.000623053	0.0013736264	0.3962264151
## 592	0.0106791969	0.0009620010	0.004361371	0.0086996337	0.3950653120
## 593	0.0444254592	0.0048100048	0.058566978	0.0453296703	0.3721335269
## 594	0.0076890218	0.0004810005	0.010591900	0.0077838828	0.3918722787
## 595	0.0093976933	0.0009620010	0.001246106	0.0086996337	0.3965166909
## 596	0.0166595472	0.0187590188	0.000000000	0.0178571429	0.4078374456
## 597	0.0081161897	0.0091390091	0.000000000	0.0086996337	0.4020319303
## 598	0.0012815036	0.000000000	0.000000000	0.0013736264	0.3965166909
## 599	0.0106791969	0.0028860029	0.011838006	0.0086996337	0.3927431060
## 600	0.0371636053	0.0418470418	0.000000000	0.0398351648	0.4217706821
## 601	0.0076890218	0.0086580087	0.000000000	0.0082417582	0.4017416546

## 602	0.0072618539	0.0000000000	0.001246106	0.0073260073	0.3959361393
## 603	0.0042716788	0.0048100048	0.0000000000	0.0045787546	0.3994194485
## 604	0.0072618539	0.0004810005	0.004361371	0.0064102564	0.3947750363
## 605	0.0081161897	0.0004810005	0.011214953	0.0082417582	0.3915820029
## 606	0.0089705254	0.0101010101	0.0000000000	0.0096153846	0.4026124819
## 607	0.0072618539	0.0004810005	0.002492212	0.0068681319	0.3956458636
## 608	0.0119607006	0.0134680135	0.0000000000	0.0128205128	0.4046444122
## 609	0.0072618539	0.0004810005	0.002492212	0.0073260073	0.3956458636
## 610	0.0192225545	0.0072150072	0.018691589	0.0192307692	0.3921625544
## 611	0.0072618539	0.0000000000	0.001869159	0.0068681319	0.3956458636
## 612	0.0401537804	0.0072150072	0.049221184	0.0407509158	0.3779390421
## 613	0.0034173430	0.0000000000	0.002492212	0.0036630037	0.3953555878
## 614	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 615	0.0034173430	0.0000000000	0.001246106	0.0032051282	0.3959361393
## 616	0.0670653567	0.0755170755	0.0000000000	0.0718864469	0.4420899855
## 617	0.0068346860	0.0076960077	0.0000000000	0.0073260073	0.4011611030
## 618	0.0115335327	0.0086580087	0.005607477	0.0123626374	0.3991291727
## 619	0.0029901751	0.0004810005	0.003738318	0.0027472527	0.3950653120
## 620	0.0089705254	0.0014430014	0.011214953	0.0086996337	0.3921625544
## 621	0.0021358394	0.0009620010	0.001869159	0.0022893773	0.3962264151
## 622	0.0064075182	0.0000000000	0.001246106	0.0059523810	0.3959361393
## 623	0.0098248612	0.0000000000	0.001246106	0.0096153846	0.3959361393
## 624	0.0046988466	0.0019240019	0.004361371	0.0050366300	0.3956458636
## 625	0.0072618539	0.0038480038	0.005607477	0.0077838828	0.3962264151
## 626	0.0017086715	0.0000000000	0.0000000000	0.0018315018	0.3965166909
## 627	0.0072618539	0.0009620010	0.009345794	0.0073260073	0.3927431060
## 628	0.0051260145	0.0004810005	0.006853583	0.0054945055	0.3936139332
## 629	0.0051260145	0.0028860029	0.003738318	0.0054945055	0.3965166909
## 630	0.0072618539	0.0019240019	0.008099688	0.0068681319	0.3939042090
## 631	0.0017086715	0.0004810005	0.001869159	0.0018315018	0.3959361393
## 632	0.0093976933	0.0000000000	0.0000000000	0.0100732601	0.3965166909
## 633	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.3973875181
## 634	0.0017086715	0.0014430014	0.000623053	0.0013736264	0.3970972424
## 635	0.0055531824	0.0000000000	0.000623053	0.0054945055	0.3962264151
## 636	0.0025630073	0.0028860029	0.0000000000	0.0027472527	0.3982583454
## 637	0.0042716788	0.0004810005	0.000623053	0.0041208791	0.3965166909
## 638	0.0038445109	0.0024050024	0.002492212	0.0041208791	0.3968069666
## 639	0.0068346860	0.0000000000	0.001869159	0.0073260073	0.3956458636
## 640	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.3976777939
## 641	0.0059803503	0.0009620010	0.007476636	0.0064102564	0.3936139332
## 642	0.0324647587	0.0365560366	0.0000000000	0.0347985348	0.4185776488
## 643	0.0089705254	0.0004810005	0.012461059	0.0091575092	0.3910014514
## 644	0.0051260145	0.0000000000	0.002492212	0.0050366300	0.3953555878
## 645	0.0034173430	0.0004810005	0.001869159	0.0032051282	0.3959361393
## 646	0.0051260145	0.0057720058	0.0000000000	0.0054945055	0.4000000000
## 647	0.0021358394	0.0009620010	0.001869159	0.0022893773	0.3962264151
## 648	0.0089705254	0.0101010101	0.0000000000	0.0096153846	0.4026124819
## 649	0.0098248612	0.0009620010	0.013084112	0.0096153846	0.3910014514
## 650	0.0098248612	0.0024050024	0.011214953	0.0105311355	0.3927431060
## 651	0.0025630073	0.0000000000	0.001246106	0.0027472527	0.3959361393

## 652	0.0029901751	0.0000000000	0.002492212	0.0032051282	0.3953555878
## 653	0.0064075182	0.0019240019	0.006853583	0.0054945055	0.3944847605
## 654	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.3979680697
## 655	0.0012815036	0.0004810005	0.001246106	0.0013736264	0.3962264151
## 656	0.0102520290	0.0028860029	0.011214953	0.0105311355	0.3930333817
## 657	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.3976777939
## 658	0.0034173430	0.0009620010	0.003738318	0.0036630037	0.3953555878
## 659	0.0029901751	0.0000000000	0.004361371	0.0032051282	0.3944847605
## 660	0.0034173430	0.0038480038	0.0000000000	0.0036630037	0.3988388970
## 661	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.3979680697
## 662	0.0068346860	0.0014430014	0.008099688	0.0068681319	0.3936139332
## 663	0.0008543358	0.0000000000	0.000623053	0.0009157509	0.3962264151
## 664	0.0029901751	0.0000000000	0.001869159	0.0032051282	0.3956458636
## 665	0.0017086715	0.0004810005	0.001246106	0.0013736264	0.3962264151
## 666	0.0012815036	0.0004810005	0.001246106	0.0013736264	0.3962264151
## 667	0.0017086715	0.0000000000	0.002492212	0.0018315018	0.3953555878
## 668	0.0017086715	0.0000000000	0.0000000000	0.0018315018	0.3965166909
## 669	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 670	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 671	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 672	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 673	0.0273387441	0.0067340067	0.018691589	0.0196886447	0.3918722787
## 674	0.0115335327	0.0091390091	0.004984424	0.0068681319	0.3997097242
## 675	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 676	0.0140965399	0.0024050024	0.007476636	0.0114468864	0.3944847605
## 677	0.0380179411	0.0086580087	0.018068536	0.0233516484	0.3933236575
## 678	0.1277231952	0.0582010582	0.077881620	0.0421245421	0.3953555878
## 679	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 680	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 681	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 682	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 683	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 684	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 685	0.0046988466	0.0019240019	0.003738318	0.0032051282	0.3959361393
## 686	0.0017086715	0.0000000000	0.002492212	0.0018315018	0.3953555878
## 687	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 688	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 689	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 690	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 691	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.3965166909
## 692	0.0008543358	0.0009620010	0.0000000000	0.0000000000	0.3970972424
## 693	0.0029901751	0.0000000000	0.002492212	0.0022893773	0.3953555878
## 694	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 695	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 696	0.0004271679	0.0004810005	0.0000000000	0.0000000000	0.3968069666
## 697	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 698	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.3976777939
## 699	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 700	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 701	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909

## 702	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 703	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 704	0.0136693721	0.0000000000	0.008099688	0.0132783883	0.3927431060
## 705	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 706	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.3965166909
## 707	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 708	0.0008543358	0.0004810005	0.000623053	0.0004578755	0.3965166909
## 709	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636
## 710	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 711	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 712	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 713	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 714	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 715	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 716	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 717	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 718	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 719	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 720	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 721	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 722	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.3965166909
## 723	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 724	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 725	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 726	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 727	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 728	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 729	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 730	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 731	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 732	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 733	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 734	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 735	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 736	0.0012815036	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 737	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 738	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 739	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 740	0.0012815036	0.0009620010	0.000623053	0.0013736264	0.3968069666
## 741	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 742	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 743	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 744	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 745	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 746	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 747	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 748	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 749	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 750	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 751	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909

## 752	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 753	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 754	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 755	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 756	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 757	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 758	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 759	0.0017086715	0.0014430014	0.000623053	0.0013736264	0.3970972424
## 760	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 761	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 762	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 763	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 764	0.0914139257	0.0043290043	0.022429907	0.0847069597	0.3886792453
## 765	0.0508329774	0.0120250120	0.058566978	0.0503663004	0.3764876633
## 766	0.1695856472	0.0206830207	0.220560748	0.1712454212	0.3062409289
## 767	0.3677915421	0.0278980279	0.120872274	0.3516483516	0.3570391872
## 768	0.1012387868	0.0538720539	0.077881620	0.1057692308	0.3927431060
## 769	0.3139683896	0.0303030303	0.103426791	0.2783882784	0.3666182874
## 770	0.1405382315	0.0057720058	0.037383178	0.1259157509	0.3825834543
## 771	0.0999572832	0.0428090428	0.090342679	0.1016483516	0.3802612482
## 772	0.1405382315	0.0226070226	0.175700935	0.1291208791	0.3283018868
## 773	0.0790260572	0.0889850890	0.0000000000	0.0847069597	0.4502177068
## 774	0.0649295173	0.0731120731	0.0000000000	0.0695970696	0.4406386067
## 775	0.2661255874	0.0668590669	0.301557632	0.2738095238	0.2963715530
## 776	0.0717642033	0.0808080808	0.0000000000	0.0769230769	0.4452830189
## 777	0.0636480137	0.0072150072	0.041121495	0.0604395604	0.3817126270
## 778	0.2439128578	0.2746512747	0.0000000000	0.2614468864	0.5622641509
## 779	0.0491243059	0.0553150553	0.0000000000	0.0526556777	0.4298984035
## 780	0.0803075609	0.0533910534	0.047975078	0.0824175824	0.4063860668
## 781	0.0008543358	0.0004810005	0.000623053	0.0009157509	0.3965166909
## 782	0.2071764203	0.0033670034	0.017445483	0.2101648352	0.3904208999
## 783	0.0474156343	0.0533910534	0.0000000000	0.0508241758	0.4287373004
## 784	0.1345578812	0.1515151515	0.0000000000	0.1442307692	0.4879535559
## 785	0.0495514737	0.0557960558	0.0000000000	0.0531135531	0.4301886792
## 786	0.0085433575	0.0004810005	0.009345794	0.0086996337	0.3924528302
## 787	0.0431439556	0.0019240019	0.006853583	0.0430402930	0.3944847605
## 788	0.0422896198	0.0057720058	0.054205607	0.0421245421	0.3747460087
## 789	0.0089705254	0.0024050024	0.009968847	0.0091575092	0.3933236575
## 790	0.0200768902	0.0091390091	0.017445483	0.0155677656	0.3939042090
## 791	0.0563861598	0.0634920635	0.0000000000	0.0604395604	0.4348330914
## 792	0.0209312260	0.0235690236	0.0000000000	0.0224358974	0.4107402032
## 793	0.0371636053	0.0024050024	0.006853583	0.0343406593	0.3947750363
## 794	0.0102520290	0.0115440115	0.0000000000	0.0109890110	0.4034833091
## 795	0.0410081162	0.0163540164	0.038629283	0.0430402930	0.3883889695
## 796	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.3979680697
## 797	0.0888509184	0.1000481000	0.0000000000	0.0952380952	0.4568940493
## 798	0.0431439556	0.0485810486	0.0000000000	0.0462454212	0.4258345428
## 799	0.0533959846	0.0601250601	0.0000000000	0.0572344322	0.4328011611
## 800	0.0230670654	0.0259740260	0.0000000000	0.0247252747	0.4121915820
## 801	0.0089705254	0.0004810005	0.001869159	0.0091575092	0.3959361393

## 802	0.0158052114	0.0014430014	0.004984424	0.0128205128	0.3950653120
## 803	0.0410081162	0.0028860029	0.014330218	0.0366300366	0.3915820029
## 804	0.0551046561	0.0043290043	0.009345794	0.0512820513	0.3947750363
## 805	0.0307560871	0.0024050024	0.017445483	0.0297619048	0.3898403483
## 806	0.0273387441	0.0076960077	0.029906542	0.0265567766	0.3872278665
## 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
## 811	0.0222127296	0.0250120250	0.000000000	0.0238095238	0.4116110305
## 812	0.0068346860	0.0014430014	0.007476636	0.0059523810	0.3939042090
## 813	0.0995301153	0.0019240019	0.009345794	0.0989010989	0.3933236575
## 814	0.1366937206	0.1539201539	0.000000000	0.1465201465	0.4894049347
## 815	0.0815890645	0.0125060125	0.102803738	0.0810439560	0.3561683599
## 816	0.0046988466	0.0000000000	0.001246106	0.0045787546	0.3959361393
## 817	0.0217855617	0.0091390091	0.019937695	0.0233516484	0.3927431060
## 818	0.0068346860	0.0014430014	0.008099688	0.0059523810	0.3936139332
## 819	0.0059803503	0.0067340067	0.000000000	0.0064102564	0.4005805515
## 820	0.0610850064	0.0048100048	0.013707165	0.0595238095	0.3930333817
## 821	0.0589491670	0.0125060125	0.069781931	0.0599816850	0.3715529753
## 822	0.0521144810	0.0024050024	0.013707165	0.0521978022	0.3915820029
## 823	0.0055531824	0.0057720058	0.000623053	0.0059523810	0.3997097242
## 824	0.0196497223	0.0004810005	0.028037383	0.0210622711	0.3837445573
## 825	0.0042716788	0.0004810005	0.000000000	0.0041208791	0.3968069666
## 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	0.0615121743	0.0076960077	0.038006231	0.0576923077	0.3834542816
## 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	0.0713370355	0.0803270803	0.000000000	0.0764652015	0.4449927431
## 847	0.0751815463	0.0014430014	0.023676012	0.0700549451	0.3863570392
## 848	0.1046561299	0.1178451178	0.000000000	0.1121794872	0.4676342525
## 849	0.0320375908	0.0043290043	0.041121495	0.0302197802	0.3799709724
## 850	0.0495514737	0.0557960558	0.000000000	0.0531135531	0.4301886792
## 851	0.0328919265	0.0370370370	0.000000000	0.0352564103	0.4188679245

## 852	0.1571977787	0.1770081770	0.0000000000	0.1684981685	0.5033381713
## 853	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 854	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 855	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 856	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 857	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 858	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 859	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 860	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 861	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 862	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 863	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 864	0.0008543358	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 865	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 866	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 867	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 868	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 869	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.3965166909
## 870	0.0021358394	0.0000000000	0.001246106	0.0018315018	0.3959361393
## 871	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 872	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 873	0.0012815036	0.0000000000	0.001246106	0.0013736264	0.3959361393
## 874	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.3973875181
## 875	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 876	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.3979680697
## 877	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 878	0.0025630073	0.0000000000	0.0000000000	0.0027472527	0.3965166909
## 879	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.3979680697
## 880	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 881	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 882	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 883	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 884	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 885	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 886	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 887	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 888	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 889	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 890	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 891	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 892	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 893	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 894	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 895	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 896	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 897	0.0021358394	0.0014430014	0.001246106	0.0022893773	0.3968069666
## 898	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 899	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 900	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 901	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.3965166909

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

## 952	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 953	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 954	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 955	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 956	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0013736264	0.3965166909
## 960	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 961	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 962	0.0038445109	0.0043290043	0.0000000000	0.0041208791	0.3991291727
## 963	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 964	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 965	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 966	0.0055531824	0.0000000000	0.001246106	0.0059523810	0.3959361393
## 967	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.3976777939
## 968	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0004578755	0.3968069666
## 972	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 973	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 974	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 975	0.0025630073	0.0000000000	0.003738318	0.0027472527	0.3947750363
## 976	0.0025630073	0.0028860029	0.0000000000	0.0027472527	0.3982583454
## 977	0.0034173430	0.0004810005	0.004361371	0.0036630037	0.3947750363
## 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	0.0000000000	0.0009157509	0.3970972424
## 981	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 982	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 983	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 984	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 985	0.0017086715	0.0004810005	0.001869159	0.0018315018	0.3959361393
## 986	0.0226398975	0.0254930255	0.0000000000	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	0.0000000000	0.0183150183	0.4081277213
## 995	0.0017086715	0.0019240019	0.0000000000	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	0.0000000000	0.0119047619	0.4040638607
## 999	0.2409226826	0.0668590669	0.082242991	0.1556776557	0.3985486212
## 1000	0.0179410508	0.0202020202	0.0000000000	0.0192307692	0.4087082729
## 1001	0.0901324220	0.0452140452	0.031775701	0.0389194139	0.4089985486

## 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
## 1024	0.0397266126	0.0004810005	0.014953271	0.0311355311	0.3898403483
## 1025	0.0414352841	0.0163540164	0.039252336	0.0320512821	0.3880986938
## 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
## 1038	0.0179410508	0.0202020202	0.000000000	0.0192307692	0.4087082729
## 1039	0.0106791969	0.0120250120	0.000000000	0.0114468864	0.4037735849
## 1040	0.0636480137	0.0024050024	0.036760125	0.0467032967	0.3808417997
## 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
## 1049	0.0123878684	0.0062530063	0.009968847	0.0123626374	0.3956458636
## 1050	0.0226398975	0.0062530063	0.024922118	0.0201465201	0.3886792453
## 1051	0.0290474156	0.0019240019	0.032398754	0.0265567766	0.3825834543

## 1052	0.0320375908	0.0192400192	0.021806854	0.0302197802	0.3979680697
## 1053	0.0264844084	0.0024050024	0.009345794	0.0196886447	0.3936139332
## 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
## 1074	0.0243485690	0.0028860029	0.027414330	0.0224358974	0.3854862119
## 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
## 1079	0.0392994447	0.0125060125	0.041121495	0.0366300366	0.3849056604
## 1080	0.0294745835	0.0331890332	0.000000000	0.0315934066	0.4165457184
## 1081	0.0179410508	0.0202020202	0.000000000	0.0192307692	0.4087082729
## 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
## 1088	0.0200768902	0.0014430014	0.010591900	0.0146520147	0.3924528302
## 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
## 1099	0.0286202478	0.0096200096	0.021183801	0.0210622711	0.3924528302
## 1100	0.0243485690	0.0125060125	0.019314642	0.0201465201	0.3950653120
## 1101	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.3968069666

## 1102	0.0119607006	0.0134680135	0.000000000	0.0128205128	0.4046444122
## 1103	0.0179410508	0.0202020202	0.000000000	0.0192307692	0.4087082729
## 1104	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1105	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1106	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1107	0.0051260145	0.0038480038	0.002492212	0.0000000000	0.3976777939
## 1108	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1109	0.0089705254	0.0101010101	0.000000000	0.0000000000	0.4026124819
## 1110	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1111	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1112	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636
## 1113	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1114	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.3968069666
## 1115	0.0072618539	0.0000000000	0.001869159	0.0068681319	0.3956458636
## 1116	0.0021358394	0.0014430014	0.001246106	0.0013736264	0.3968069666
## 1117	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 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
## 1138	0.0038445109	0.0043290043	0.000000000	0.0041208791	0.3991291727
## 1139	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1140	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 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
## 1149	0.0017086715	0.0000000000	0.000623053	0.0018315018	0.3962264151
## 1150	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1151	0.0098248612	0.0110630111	0.000000000	0.0105311355	0.4031930334

## 1152	0.0448526271	0.0163540164	0.044236760	0.0329670330	0.3857764877
## 1153	0.0209312260	0.0072150072	0.021183801	0.0224358974	0.3910014514
## 1154	0.0068346860	0.0048100048	0.003738318	0.0073260073	0.3976777939
## 1155	0.0042716788	0.0000000000	0.0000000000	0.0045787546	0.3965166909
## 1156	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1157	0.0072618539	0.0081770082	0.0000000000	0.0077838828	0.4014513788
## 1158	0.0038445109	0.0000000000	0.000623053	0.0036630037	0.3962264151
## 1159	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1160	0.0055531824	0.0009620010	0.006853583	0.0054945055	0.3939042090
## 1161	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.3965166909
## 1162	0.0012815036	0.0014430014	0.0000000000	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	0.0000000000	0.0013736264	0.3973875181
## 1168	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.3965166909
## 1169	0.0029901751	0.0000000000	0.000623053	0.0032051282	0.3962264151
## 1170	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1171	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1172	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1173	0.0008543358	0.0000000000	0.000623053	0.0009157509	0.3962264151
## 1174	0.0021358394	0.0000000000	0.001246106	0.0013736264	0.3959361393
## 1175	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1176	0.0029901751	0.0014430014	0.002492212	0.0032051282	0.3962264151
## 1177	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.3973875181
## 1178	0.0017086715	0.0000000000	0.001869159	0.0009157509	0.3956458636
## 1179	0.0072618539	0.0004810005	0.004984424	0.0073260073	0.3944847605
## 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	0.0000000000	0.0009157509	0.3965166909
## 1184	0.0072618539	0.0081770082	0.0000000000	0.0077838828	0.4014513788
## 1185	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1186	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1187	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1188	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1189	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1190	0.0346005980	0.0389610390	0.0000000000	0.0370879121	0.4200290276
## 1191	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1192	0.0034173430	0.0038480038	0.0000000000	0.0036630037	0.3988388970
## 1193	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1194	0.0012815036	0.0009620010	0.000623053	0.0013736264	0.3968069666
## 1195	0.0017086715	0.0000000000	0.0000000000	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
## 1199	0.0200768902	0.0226070226	0.0000000000	0.0215201465	0.4101596517
## 1200	0.0064075182	0.0004810005	0.001246106	0.0059523810	0.3962264151
## 1201	0.0021358394	0.0024050024	0.0000000000	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	0.0000000000	0.0027472527	0.3982583454
## 1205	0.0025630073	0.0000000000	0.000623053	0.0022893773	0.3962264151
## 1206	0.0025630073	0.0000000000	0.0000000000	0.0027472527	0.3965166909
## 1207	0.0132422042	0.0004810005	0.018691589	0.0137362637	0.3880986938
## 1208	0.0008543358	0.0009620010	0.0000000000	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	0.0000000000	0.0032051282	0.3985486212
## 1212	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1213	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.3973875181
## 1214	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1215	0.0042716788	0.0000000000	0.001869159	0.0032051282	0.3956458636
## 1216	0.0051260145	0.0004810005	0.002492212	0.0050366300	0.3956458636
## 1217	0.0017086715	0.0000000000	0.001246106	0.0018315018	0.3959361393
## 1218	0.0012815036	0.0004810005	0.0000000000	0.0009157509	0.3968069666
## 1219	0.0029901751	0.0000000000	0.004361371	0.0032051282	0.3944847605
## 1220	0.0029901751	0.0033670034	0.0000000000	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	0.0000000000	0.0022893773	0.3979680697
## 1225	0.0017086715	0.0000000000	0.000623053	0.0013736264	0.3962264151
## 1226	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.3979680697
## 1227	0.0046988466	0.0052910053	0.0000000000	0.0050366300	0.3997097242
## 1228	0.0042716788	0.0048100048	0.0000000000	0.0045787546	0.3994194485
## 1229	0.0021358394	0.0014430014	0.001246106	0.0013736264	0.3968069666
## 1230	0.0021358394	0.0000000000	0.0000000000	0.0022893773	0.3965166909
## 1231	0.0072618539	0.0081770082	0.0000000000	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	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0013736264	0.3973875181
## 1238	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 1239	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1240	0.0046988466	0.0052910053	0.0000000000	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	0.0000000000	0.0000000000	0.3968069666
## 1246	0.0025630073	0.0028860029	0.0000000000	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
## 1249	0.0042716788	0.0004810005	0.005607477	0.0041208791	0.3941944848
## 1250	0.0042716788	0.0048100048	0.0000000000	0.0045787546	0.3994194485
## 1251	0.0025630073	0.0000000000	0.001246106	0.0027472527	0.3959361393

## 1252	0.0017086715	0.0009620010	0.001246106	0.0013736264	0.3965166909
## 1253	0.0128150363	0.0038480038	0.011214953	0.0082417582	0.3936139332
## 1254	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1255	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.3965166909
## 1256	0.0025630073	0.0028860029	0.0000000000	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
## 1261	0.0213583938	0.0019240019	0.028660436	0.0210622711	0.3843251089
## 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	0.0000000000	0.0004578755	0.3968069666
## 1265	0.0051260145	0.0057720058	0.0000000000	0.0054945055	0.4000000000
## 1266	0.0081161897	0.0091390091	0.0000000000	0.0086996337	0.4020319303
## 1267	0.0012815036	0.0009620010	0.000623053	0.0009157509	0.3968069666
## 1268	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1269	0.0029901751	0.0009620010	0.003115265	0.0032051282	0.3956458636
## 1270	0.0076890218	0.0086580087	0.0000000000	0.0082417582	0.4017416546
## 1271	0.0046988466	0.0052910053	0.0000000000	0.0050366300	0.3997097242
## 1272	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0004578755	0.3968069666
## 1276	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 1277	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1278	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1279	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1280	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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
## 1288	0.0209312260	0.0009620010	0.029283489	0.0215201465	0.3834542816
## 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	0.0000000000	0.0270146520	0.4136429608
## 1294	0.1217428449	0.1370851371	0.0000000000	0.1304945055	0.4792452830
## 1295	0.0089705254	0.0038480038	0.008099688	0.0096153846	0.3950653120
## 1296	0.0029901751	0.0033670034	0.0000000000	0.0032051282	0.3985486212
## 1297	0.0371636053	0.0418470418	0.0000000000	0.0398351648	0.4217706821
## 1298	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1299	0.0435711235	0.0038480038	0.029283489	0.0421245421	0.3851959361
## 1300	0.0422896198	0.0476190476	0.0000000000	0.0453296703	0.4252539913
## 1301	0.0051260145	0.0014430014	0.005607477	0.0050366300	0.3947750363

## 1302	0.0042716788	0.0048100048	0.000000000	0.0045787546	0.3994194485
## 1303	0.0072618539	0.0004810005	0.009968847	0.0073260073	0.3921625544
## 1304	0.0051260145	0.0024050024	0.004361371	0.0045787546	0.3959361393
## 1305	0.0132422042	0.0149110149	0.000000000	0.0141941392	0.4055152395
## 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	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1337	0.0149508757	0.0009620010	0.009345794	0.0137362637	0.3927431060
## 1338	0.0213583938	0.0062530063	0.023052960	0.0224358974	0.3895500726
## 1339	0.0290474156	0.0004810005	0.006853583	0.0297619048	0.3936139332
## 1340	0.0760358821	0.0057720058	0.103426791	0.0801282051	0.3518142235
## 1341	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 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
## 1349	0.0132422042	0.0000000000	0.004361371	0.0141941392	0.3944847605
## 1350	0.0140965399	0.0000000000	0.005607477	0.0146520147	0.3939042090
## 1351	0.0158052114	0.0014430014	0.021183801	0.0164835165	0.3875181422

## 1352	0.0140965399	0.0009620010	0.001869159	0.0137362637	0.3962264151
## 1353	0.0303289193	0.0004810005	0.009345794	0.0302197802	0.3924528302
## 1354	0.0098248612	0.0009620010	0.0000000000	0.0096153846	0.3970972424
## 1355	0.0222127296	0.0250120250	0.0000000000	0.0238095238	0.4116110305
## 1356	0.0316104229	0.0355940356	0.0000000000	0.0338827839	0.4179970972
## 1357	0.0230670654	0.0009620010	0.006230530	0.0228937729	0.3941944848
## 1358	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1359	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1360	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1361	0.0017086715	0.0000000000	0.002492212	0.0018315018	0.3953555878
## 1362	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1363	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1364	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1365	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1366	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1367	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1368	0.0034173430	0.0038480038	0.0000000000	0.0036630037	0.3988388970
## 1369	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1370	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1371	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1372	0.1866723622	0.0101010101	0.058566978	0.1703296703	0.3753265602
## 1373	0.2481845365	0.1308321308	0.192523364	0.2554945055	0.3857764877
## 1374	0.4498077745	0.2905242905	0.279750779	0.4711538462	0.4415094340
## 1375	0.0410081162	0.0461760462	0.0000000000	0.0439560440	0.4243831640
## 1376	0.0674925246	0.0759980760	0.0000000000	0.0723443223	0.4423802612
## 1377	0.1153353268	0.1298701299	0.0000000000	0.1236263736	0.4748911466
## 1378	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1379	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636
## 1380	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1381	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1382	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1383	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1384	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 1385	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.3976777939
## 1386	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1387	0.0076890218	0.0019240019	0.003738318	0.0036630037	0.3959361393
## 1388	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1389	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0009157509	0.3965166909
## 1394	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1395	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1396	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1397	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 1398	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 1399	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1400	0.0042716788	0.0048100048	0.0000000000	0.0045787546	0.3994194485
## 1401	0.0038445109	0.0004810005	0.004984424	0.0041208791	0.3944847605

## 1402	0.0034173430	0.0038480038	0.000000000	0.0036630037	0.3988388970
## 1403	0.0025630073	0.0000000000	0.003738318	0.0027472527	0.3947750363
## 1404	0.0025630073	0.0000000000	0.003738318	0.0027472527	0.3947750363
## 1405	0.0012815036	0.0000000000	0.000000000	0.0013736264	0.3965166909
## 1406	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1407	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1408	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.3970972424
## 1409	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1410	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1411	0.0004271679	0.0000000000	0.000000000	0.0004578755	0.3965166909
## 1412	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1413	0.0017086715	0.0004810005	0.001869159	0.0013736264	0.3959361393
## 1414	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1415	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1427	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.3968069666
## 1428	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1429	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 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
## 1438	0.0619393422	0.0442520443	0.033021807	0.0636446886	0.4078374456
## 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
## 1449	0.0299017514	0.0057720058	0.036137072	0.0311355311	0.3831640058
## 1450	0.2379325075	0.0274170274	0.114018692	0.2225274725	0.3599419448
## 1451	0.0320375908	0.0360750361	0.000000000	0.0343406593	0.4182873730

## 1452	0.0239214011	0.0086580087	0.023676012	0.0201465201	0.3907111756
## 1453	0.1802648441	0.2029822030	0.000000000	0.1932234432	0.5190130624
## 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	0.2093122597	0.0206830207	0.078504673	0.1799450549	0.3724238026
## 1460	0.5322511747	0.2231842232	0.487227414	0.5247252747	0.3042089985
## 1461	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 1469	0.2524562153	0.0379990380	0.140809969	0.2261904762	0.3538461538
## 1470	0.1764203332	0.1986531987	0.000000000	0.1891025641	0.5164005806
## 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
## 1499	0.0884237505	0.0105820106	0.021183801	0.0755494505	0.3930333817
## 1500	0.0820162324	0.0923520924	0.000000000	0.0879120879	0.4522496372
## 1501	0.1841093550	0.0028860029	0.013707165	0.1845238095	0.3918722787

## 1502	0.0538231525	0.0606060606	0.0000000000	0.0576923077	0.4330914369
## 1503	0.0794532251	0.0048100048	0.023052960	0.0792124542	0.3886792453
## 1504	0.0153780436	0.0004810005	0.009345794	0.0146520147	0.3924528302
## 1505	0.0401537804	0.0062530063	0.009345794	0.0352564103	0.3959361393
## 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	0.0000000000	0.1034798535	0.4621190131
## 1510	0.0064075182	0.0072150072	0.0000000000	0.0068681319	0.4008708273
## 1511	0.0158052114	0.0009620010	0.003738318	0.0160256410	0.3953555878
## 1512	0.1170439983	0.0014430014	0.121495327	0.1236263736	0.3407837446
## 1513	0.0542503204	0.0033670034	0.074766355	0.0558608059	0.3637155298
## 1514	0.0867150790	0.0490620491	0.062928349	0.0929487179	0.3968069666
## 1515	0.1114908159	0.0014430014	0.160747664	0.1190476190	0.3224963716
## 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	0.0286202478	0.0000000000	0.041744548	0.0306776557	0.3770682148
## 1520	0.0046988466	0.0009620010	0.005607477	0.0050366300	0.3944847605
## 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	0.0000000000	0.0416666667	0.4229317852
## 1525	0.2998718496	0.3376623377	0.0000000000	0.3214285714	0.6002902758
## 1526	0.1093549765	0.0000000000	0.0000000000	0.1172161172	0.3965166909
## 1527	0.0106791969	0.0009620010	0.004984424	0.0105311355	0.3947750363
## 1528	0.1473729176	0.0413660414	0.161370717	0.1506410256	0.3462989840
## 1529	0.1187526698	0.0288600289	0.135825545	0.1263736264	0.3506531205
## 1530	0.0747543785	0.0038480038	0.044236760	0.0760073260	0.3782293179
## 1531	0.0281930799	0.0317460317	0.0000000000	0.0302197802	0.4156748911
## 1532	0.0747543785	0.0004810005	0.026791277	0.0787545788	0.3843251089
## 1533	0.2088850918	0.2352092352	0.0000000000	0.2239010989	0.5384615385
## 1534	0.1067919692	0.0173160173	0.1333333333	0.1112637363	0.3448476052
## 1535	0.1879538659	0.0278980279	0.238006231	0.1826923077	0.3024673440
## 1536	0.0807347287	0.0909090909	0.0000000000	0.0865384615	0.4513788099
## 1537	0.1819735156	0.0096200096	0.138317757	0.1826923077	0.3378809869
## 1538	0.0192225545	0.0216450216	0.0000000000	0.0206043956	0.4095791001
## 1539	0.0495514737	0.0052910053	0.065420561	0.0485347985	0.3692307692
## 1540	0.0448526271	0.0000000000	0.002492212	0.0471611722	0.3953555878
## 1541	0.5719777873	0.0226070226	0.076635514	0.5485347985	0.3744557329
## 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
## 1545	0.0243485690	0.0000000000	0.003115265	0.0247252747	0.3950653120
## 1546	0.0162323793	0.0000000000	0.001869159	0.0164835165	0.3956458636
## 1547	0.1413925673	0.0048100048	0.2000000000	0.1474358974	0.3062409289
## 1548	0.0179410508	0.0004810005	0.025545171	0.0192307692	0.3849056604
## 1549	0.1170439983	0.0101010101	0.157632399	0.1240842491	0.3291727141
## 1550	0.1012387868	0.0019240019	0.012461059	0.1048534799	0.3918722787
## 1551	0.3421614695	0.3852813853	0.0000000000	0.3667582418	0.6290275762

## 1552	0.0085433575	0.0096200096	0.000000000	0.0091575092	0.4023222061
## 1553	0.3186672362	0.0052910053	0.269158879	0.3351648352	0.2743105951
## 1554	0.1230243486	0.0048100048	0.173208723	0.1295787546	0.3187227866
## 1555	0.1161896625	0.1308321308	0.000000000	0.1245421245	0.4754716981
## 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
## 1574	0.4190516873	0.0076960077	0.601246106	0.4468864469	0.1210449927
## 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
## 1588	0.0158052114	0.0014430014	0.003115265	0.0146520147	0.3959361393
## 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
## 1599	0.0162323793	0.0033670034	0.019314642	0.0173992674	0.3895500726
## 1600	0.0025630073	0.0028860029	0.000000000	0.0027472527	0.3982583454
## 1601	0.0145237078	0.0004810005	0.020560748	0.0151098901	0.3872278665

## 1602	0.0042716788	0.0048100048	0.0000000000	0.0045787546	0.3994194485
## 1603	0.0017086715	0.0000000000	0.001869159	0.0009157509	0.3956458636
## 1604	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	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	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1614	0.0004271679	0.0004810005	0.0000000000	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	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1618	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1619	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1620	0.0068346860	0.0004810005	0.0000000000	0.0068681319	0.3968069666
## 1621	0.0034173430	0.0038480038	0.0000000000	0.0036630037	0.3988388970
## 1622	0.0093976933	0.0105820106	0.0000000000	0.0100732601	0.4029027576
## 1623	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.3973875181
## 1624	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 1625	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1626	0.0145237078	0.0163540164	0.0000000000	0.0155677656	0.4063860668
## 1627	0.0593763349	0.0668590669	0.0000000000	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	0.0000000000	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	0.0149508757	0.0168350168	0.0000000000	0.0160256410	0.4066763425
## 1636	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636
## 1637	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1638	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1639	0.0004271679	0.0004810005	0.0000000000	0.0000000000	0.3968069666
## 1640	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.3965166909
## 1641	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1642	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1643	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1644	0.0025630073	0.0000000000	0.003738318	0.0027472527	0.3947750363
## 1645	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1646	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1647	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1648	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1649	0.0004271679	0.0004810005	0.0000000000	0.0000000000	0.3968069666
## 1650	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 1651	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909

## 1652	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1653	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1654	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1655	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1656	0.0034173430	0.0009620010	0.0000000000	0.0027472527	0.3970972424
## 1657	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1658	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1659	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1660	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1661	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1662	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1663	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1664	0.0008543358	0.0004810005	0.000623053	0.0009157509	0.3965166909
## 1665	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1666	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 1667	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1668	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.3965166909
## 1669	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1670	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1671	0.0111063648	0.0000000000	0.000623053	0.0114468864	0.3962264151
## 1672	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1673	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1674	0.0029901751	0.0033670034	0.0000000000	0.0032051282	0.3985486212
## 1675	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1676	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1677	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1678	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1679	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1680	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1681	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1682	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1683	0.0029901751	0.0004810005	0.003738318	0.0027472527	0.3950653120
## 1684	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 1685	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1686	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1687	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1688	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1689	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1690	0.0021358394	0.0000000000	0.002492212	0.0009157509	0.3953555878
## 1691	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.3965166909
## 1692	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1693	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1694	0.0004271679	0.0000000000	0.000623053	0.0000000000	0.3962264151
## 1695	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1696	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1697	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1698	0.0038445109	0.0000000000	0.000623053	0.0036630037	0.3962264151
## 1699	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.3979680697
## 1700	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1701	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909

## 1702	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1703	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1704	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1705	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1706	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.3965166909
## 1707	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.3973875181
## 1708	0.0004271679	0.0004810005	0.0000000000	0.0000000000	0.3968069666
## 1709	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1710	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1711	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 1712	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1713	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 1714	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1715	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1716	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1717	0.0055531824	0.0000000000	0.000623053	0.0059523810	0.3962264151
## 1718	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1719	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 1720	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1721	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1722	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1723	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1724	0.0012815036	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 1725	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1726	0.0012815036	0.0004810005	0.000623053	0.0009157509	0.3965166909
## 1727	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1728	0.0098248612	0.0110630111	0.0000000000	0.0105311355	0.4031930334
## 1729	0.0025630073	0.0009620010	0.002492212	0.0022893773	0.3959361393
## 1730	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1731	0.0017086715	0.0004810005	0.001869159	0.0018315018	0.3959361393
## 1732	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1733	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1734	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1735	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1736	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1737	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1738	0.0038445109	0.0004810005	0.004984424	0.0036630037	0.3944847605
## 1739	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1740	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1741	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1742	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1743	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1744	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1745	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1746	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1747	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.3979680697
## 1748	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1749	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1750	0.0012815036	0.0000000000	0.000623053	0.0009157509	0.3962264151
## 1751	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666

## 1752	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1753	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1754	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1755	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1760	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.3965166909
## 1761	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1762	0.0008543358	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 1763	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1764	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 1765	0.0042716788	0.0000000000	0.002492212	0.0041208791	0.3953555878
## 1766	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1767	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1768	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 1769	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1770	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 1771	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1772	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1773	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1774	0.0008543358	0.0000000000	0.000623053	0.0009157509	0.3962264151
## 1775	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1776	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 1777	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1778	0.0008543358	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1779	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1780	0.0012815036	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 1781	0.0017086715	0.0000000000	0.001246106	0.0018315018	0.3959361393
## 1782	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1783	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1784	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636
## 1785	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1786	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1787	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0004578755	0.3968069666
## 1791	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1792	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1793	0.0004271679	0.0004810005	0.0000000000	0.0000000000	0.3968069666
## 1794	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1795	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636
## 1796	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1797	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1798	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1799	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1800	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1801	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666

## 1802	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1803	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1804	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1805	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1806	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1807	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.3973875181
## 1808	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 1809	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1810	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1811	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1812	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1813	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1814	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1815	0.0012815036	0.0004810005	0.001246106	0.0013736264	0.3962264151
## 1816	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1817	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 1818	0.0085433575	0.0096200096	0.0000000000	0.0091575092	0.4023222061
## 1819	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1820	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1821	0.0008543358	0.0004810005	0.000623053	0.0009157509	0.3965166909
## 1822	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1823	0.0021358394	0.0004810005	0.002492212	0.0022893773	0.3956458636
## 1824	0.0034173430	0.0038480038	0.0000000000	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	0.0000000000	0.0013736264	0.3976777939
## 1828	0.0038445109	0.0000000000	0.001869159	0.0041208791	0.3956458636
## 1829	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	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	0.0000000000	0.0013736264	0.3965166909
## 1836	0.0017086715	0.0000000000	0.0000000000	0.0018315018	0.3965166909
## 1837	0.0025630073	0.0000000000	0.003115265	0.0027472527	0.3950653120
## 1838	0.0017086715	0.0000000000	0.0000000000	0.0018315018	0.3965166909
## 1839	0.0021358394	0.0004810005	0.0000000000	0.0018315018	0.3968069666
## 1840	0.0059803503	0.0067340067	0.0000000000	0.0064102564	0.4005805515
## 1841	0.0068346860	0.0014430014	0.008099688	0.0064102564	0.3936139332
## 1842	0.0008543358	0.0000000000	0.0000000000	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	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	0.0064102564	0.3965166909
## 1850	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1851	0.0042716788	0.0000000000	0.0000000000	0.0045787546	0.3965166909

##	X65	X166	X2	X0.6	X24	X0.7	X0.8	X0.9
## 1	0.13888889	6.145251e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 2	0.19444444	6.191806e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 3	0.86111111	6.098696e-03	0.000000e+00	NaN	1.00000000	0	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
## 6	0.94444444	6.750466e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 7	0.44444444	7.309125e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 8	0.48611111	8.240223e-03	2.761306e-05	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
## 11	0.95833333	8.007449e-03	2.070979e-05	NaN	1.00000000	0	1	0
## 12	0.04166667	7.309125e-03	2.070979e-05	NaN	1.00000000	0	0	1
## 13	0.51388889	5.865922e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 14	0.31944444	4.795158e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 15	0.55555556	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	1	0
## 21	0.43055556	6.284916e-03	1.242588e-04	NaN	1.00000000	0	1	0
## 22	0.75000000	2.979516e-03	0.000000e+00	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	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	1	0
## 32	0.15277778	5.400372e-03	2.070979e-05	NaN	1.00000000	0	0	1
## 33	0.59722222	2.979516e-03	6.903265e-06	NaN	1.00000000	0	0	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
## 36	0.70833333	9.543762e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 37	0.93055556	9.776536e-03	1.863881e-04	NaN	1.00000000	0	1	0
## 38	0.16666667	5.307263e-03	8.283917e-05	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
## 43	0.65277778	4.655493e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 44	0.36111111	4.841713e-03	6.903265e-06	NaN	1.00000000	0	1	0
## 45	0.61111111	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
## 47	0.68055556	5.633147e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 48	0.45833333	6.703911e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 49	0.01388889	7.821229e-03	6.903265e-06	NaN	1.00000000	0	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
## 53	0.55555556	9.404097e-03	2.001947e-04	NaN	1.00000000	0	1	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
## 58	0.77777778	9.124767e-03	2.070979e-05	NaN	1.00000000	0	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	1	0
## 63	0.58333333	5.400372e-03	1.380653e-05	NaN	1.00000000	0	1	0
## 64	0.80555556	9.264432e-03	6.903265e-06	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	0
## 68	0.30555556	8.100559e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 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	0
## 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	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
## 78	0.05555556	5.912477e-03	0.000000e+00	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	0
## 82	0.54166667	9.729981e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 83	0.48611111	3.538175e-03	0.000000e+00	NaN	1.00000000	0	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
## 86	0.26388889	6.238361e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 87	0.61111111	5.260708e-03	2.209045e-04	NaN	1.00000000	0	0	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	0	0	1
## 95	0.69444444	0.000000e+00	1.380653e-05	NaN	1.00000000	0	0	0
## 96	0.93055556	7.076350e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 97	0.51388889	7.309125e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 98	0.44444444	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	0	0	1
## 101	0.59722222	7.914339e-03	1.380653e-05	NaN	1.00000000	0	0	1
## 102	0.55555556	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	0	1	0
## 110	0.04166667	3.677840e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 111	0.22222222	6.331471e-03	1.380653e-05	NaN	1.00000000	0	0	1
## 112	0.58333333	6.983240e-03	0.000000e+00	NaN	1.00000000	0	0	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	0	0	0
## 115	0.48611111	5.912477e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 116	0.01388889	5.307263e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 117	0.61111111	5.353818e-03	6.903265e-06	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	0
## 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	0	1	0
## 125	0.91666667	1.675978e-03	1.173555e-04	NaN	1.00000000	0	1	0
## 126	0.65277778	4.143389e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 127	0.15277778	3.445065e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 128	0.66666667	8.472998e-03	0.000000e+00	NaN	1.00000000	0	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	0	0
## 131	0.02777778	9.729981e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 132	0.44444444	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	0	0
## 134	0.58333333	1.769088e-03	8.256304e-03	NaN	1.00000000	0	0	0
## 135	0.23611111	1.210428e-03	1.580848e-03	NaN	1.00000000	0	0	0
## 136	0.56944444	1.210428e-03	9.429859e-03	NaN	1.00000000	0	0	0
## 137	0.20833333	3.026071e-03	7.055136e-03	NaN	1.00000000	0	0	0
## 138	0.97222222	3.445065e-03	3.603504e-03	NaN	1.00000000	0	0	0
## 139	0.48611111	0.000000e+00	1.905301e-03	NaN	1.00000000	0	0	0
## 140	0.38888889	1.908752e-03	3.686343e-03	NaN	1.00000000	0	0	0
## 141	0.45833333	8.845438e-04	1.401363e-03	NaN	1.00000000	0	0	0
## 142	0.68055556	6.517691e-04	2.429949e-03	NaN	1.00000000	1	0	0
## 143	0.23611111	2.839851e-03	1.187362e-03	NaN	1.00000000	1	0	0
## 144	0.72222222	2.607076e-03	2.637047e-03	NaN	1.00000000	0	1	0
## 145	0.61111111	6.517691e-04	2.837242e-03	NaN	1.00000000	0	1	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	1
## 149	0.22222222	2.001862e-03	1.360633e-02	NaN	1.00000000	0	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	0	0	0
## 153	0.18055556	3.817505e-03	2.740596e-03	NaN	1.00000000	0	0	0
## 154	0.37500000	1.303538e-03	1.863881e-03	NaN	1.00000000	1	0	0
## 155	0.13888889	2.234637e-03	2.995326e-02	NaN	1.00000000	1	0	0
## 156	0.70833333	8.845438e-04	1.491105e-03	NaN	1.00000000	0	1	0
## 157	0.87500000	6.517691e-04	1.056199e-03	NaN	1.00000000	0	0	1
## 158	0.91666667	2.327747e-03	1.357182e-02	NaN	1.00000000	0	0	1
## 159	0.06944444	3.631285e-03	2.837242e-03	NaN	1.00000000	0	0	1
## 160	0.90277778	6.517691e-04	2.112399e-03	NaN	1.00000000	0	0	0
## 161	0.80555556	1.024209e-03	1.187362e-03	NaN	1.00000000	0	0	0
## 162	0.11111111	2.234637e-03	1.808655e-03	NaN	1.00000000	0	0	0
## 163	0.02777778	6.517691e-04	1.781042e-03	NaN	1.00000000	0	0	0
## 164	0.52777778	9.124767e-03	7.462429e-03	NaN	1.00000000	0	0	0
## 165	0.11111111	1.527002e-02	1.234994e-02	NaN	1.00000000	0	0	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	0	0	0
## 168	0.29166667	2.001862e-03	1.118329e-03	NaN	1.00000000	0	0	0
## 169	0.40277778	6.517691e-04	2.229754e-03	NaN	1.00000000	0	0	0
## 170	0.01388889	1.722533e-03	4.293831e-03	NaN	1.00000000	0	0	0
## 171	0.66666667	9.776536e-04	4.355960e-03	NaN	1.00000000	1	0	0
## 172	0.11111111	6.517691e-04	4.162669e-03	NaN	1.00000000	0	1	0
## 173	0.45833333	9.310987e-04	1.049296e-03	NaN	1.00000000	0	1	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	1	0
## 176	0.22222222	6.517691e-04	7.918044e-03	NaN	1.00000000	0	0	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	0	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
## 183	0.52777778	1.256983e-03	6.627134e-04	NaN	1.00000000	0	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
## 186	0.83333333	2.467412e-03	7.179395e-04	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	0	0	1
## 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	NaN	1.00000000	0	0	0
## 198	0.77777778	9.776536e-04	1.049296e-03	NaN	1.00000000	0	0	0
## 199	0.26388889	2.234637e-03	2.754403e-03	NaN	1.00000000	0	0	0

## 200	0.87500000	5.121043e-04	8.352950e-04	NaN	1.00000000	0	0	0
## 201	0.44444444	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	1	0	0
## 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	0	1
## 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	0	0
## 216	0.27777778	6.284916e-03	2.070979e-04	NaN	1.00000000	0	0	0
## 217	0.00000000	4.362197e-02	1.132135e-03	NaN	1.00000000	0	0	0
## 218	0.69444444	1.634078e-02	7.593591e-05	NaN	1.00000000	0	0	0
## 219	0.12500000	7.262570e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 220	0.83333333	3.724395e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 221	0.26388889	1.475791e-02	2.761306e-05	NaN	1.00000000	0	0	0
## 222	0.94444444	1.135940e-01	5.591644e-04	NaN	1.00000000	0	0	0
## 223	0.20833333	1.214618e-01	3.658730e-04	NaN	1.00000000	0	0	0
## 224	0.95833333	1.368715e-02	3.382600e-04	NaN	1.00000000	0	0	0
## 225	0.04166667	1.149907e-02	1.380653e-05	NaN	1.00000000	0	0	0
## 226	0.37500000	6.238361e-02	9.664570e-05	NaN	1.00000000	0	0	0
## 227	0.16666667	1.092644e-01	3.175502e-04	NaN	1.00000000	0	0	0
## 228	0.29166667	4.138734e-02	9.802636e-04	NaN	1.00000000	0	0	0
## 229	0.33333333	1.070764e-03	5.384546e-04	NaN	1.00000000	0	0	0
## 230	0.19444444	1.759777e-02	2.968404e-04	NaN	1.00000000	0	0	0
## 231	0.08333333	2.918994e-02	5.011770e-03	NaN	1.00000000	0	0	0
## 232	0.13888889	6.983240e-04	5.315514e-04	NaN	1.00000000	0	0	0
## 233	0.61111111	1.606145e-02	1.539428e-03	NaN	1.00000000	0	0	0
## 234	0.90277778	1.727188e-02	1.311620e-04	NaN	1.00000000	0	0	0
## 235	0.48611111	7.076350e-02	4.210991e-04	NaN	1.00000000	0	0	0
## 236	0.37500000	7.900372e-02	5.660677e-04	NaN	1.00000000	0	0	0
## 237	0.19444444	6.056797e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 238	0.76388889	1.340782e-02	1.449686e-04	NaN	1.00000000	0	0	0
## 239	0.72222222	4.054935e-02	7.317460e-04	NaN	1.00000000	0	0	0
## 240	0.73611111	1.834264e-02	2.070979e-04	NaN	1.00000000	0	0	0
## 241	0.69444444	6.610801e-03	6.903265e-05	NaN	1.00000000	0	0	0
## 242	0.91666667	5.623836e-02	1.235684e-03	NaN	1.00000000	0	0	0
## 243	0.69444444	6.517691e-04	6.903265e-05	NaN	1.00000000	0	0	0
## 244	0.37500000	1.159218e-02	2.278077e-04	NaN	1.00000000	0	0	0
## 245	0.02777778	1.801676e-02	6.903265e-05	NaN	1.00000000	0	0	0
## 246	0.94444444	1.862197e-03	6.903265e-05	NaN	1.00000000	0	0	0
## 247	0.34722222	9.823091e-03	6.281971e-04	NaN	1.00000000	0	0	0
## 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	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
## 252	0.37500000	5.358473e-02	7.041330e-04	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	0
## 259	0.73611111	1.713222e-02	3.934861e-04	NaN	1.00000000	0	0	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	0
## 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	0
## 264	0.05555556	2.141527e-02	6.558101e-03	NaN	1.00000000	1	0	0
## 265	0.84722222	9.138734e-02	5.936808e-04	NaN	1.00000000	1	0	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	1	0	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	0	0
## 270	0.47222222	2.458101e-02	4.349057e-04	NaN	1.00000000	1	0	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	1	0	0
## 275	0.80555556	1.000931e-02	2.001947e-04	NaN	1.00000000	1	0	0
## 276	0.91666667	5.679702e-03	6.903265e-06	NaN	1.00000000	1	0	0
## 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	0	1	0
## 280	0.81944444	0.000000e+00	2.070979e-04	NaN	1.00000000	0	1	0
## 281	0.87500000	5.391061e-02	5.729710e-04	NaN	1.00000000	0	1	0
## 282	0.23611111	3.384544e-02	6.489069e-04	NaN	1.00000000	0	1	0
## 283	0.40277778	1.499069e-02	5.591644e-04	NaN	1.00000000	0	1	0
## 284	0.30555556	1.163873e-03	1.104522e-04	NaN	1.00000000	0	1	0
## 285	0.36111111	1.070764e-03	2.830338e-04	NaN	1.00000000	0	1	0
## 286	0.27777778	6.899441e-02	1.000973e-03	NaN	1.00000000	0	1	0
## 287	0.70833333	2.001862e-03	1.380653e-05	NaN	1.00000000	0	1	0
## 288	0.77777778	2.094972e-02	1.794849e-04	NaN	1.00000000	0	1	0
## 289	0.15277778	9.092179e-02	1.076909e-03	NaN	1.00000000	0	1	0
## 290	0.30555556	1.345438e-02	6.903265e-05	NaN	1.00000000	0	1	0
## 291	0.91666667	4.189944e-04	3.451632e-04	NaN	1.00000000	0	1	0
## 292	0.11111111	5.167598e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 293	0.22222222	0.000000e+00	6.903265e-06	NaN	1.00000000	0	1	0
## 294	0.13888889	2.295158e-02	1.380653e-05	NaN	1.00000000	0	1	0
## 295	0.05555556	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	0.22222222	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	0	1

## 300	0.06944444	1.303538e-03	1.932914e-04	NaN	1.00000000	0	0	1
## 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	0	0	1
## 304	0.41666667	5.307263e-03	1.380653e-05	NaN	1.00000000	0	0	1
## 305	0.88888889	1.205773e-02	0.000000e+00	NaN	0.21739130	0	0	1
## 306	0.65277778	2.113594e-01	3.520665e-04	NaN	0.91304348	0	0	1
## 307	0.36111111	4.823091e-02	2.050270e-03	NaN	1.00000000	0	0	1
## 308	0.30555556	1.084730e-02	0.000000e+00	NaN	1.00000000	0	0	1
## 309	0.11111111	7.700186e-02	2.968404e-04	NaN	1.00000000	0	0	1
## 310	0.08333333	9.357542e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 311	0.79166667	1.191806e-02	1.380653e-05	NaN	0.30434783	0	0	1
## 312	0.01388889	3.133147e-02	1.242588e-04	NaN	1.00000000	0	0	1
## 313	0.86111111	3.696462e-02	4.901318e-04	NaN	0.08695652	0	0	1
## 314	0.44444444	1.415270e-02	6.903265e-06	NaN	1.00000000	0	0	1
## 315	0.55555556	1.883147e-01	3.175502e-04	NaN	0.95652174	0	0	1
## 316	0.11111111	4.795158e-02	1.346137e-03	NaN	1.00000000	0	0	1
## 317	0.43055556	7.448790e-04	0.000000e+00	NaN	1.00000000	0	0	1
## 318	0.79166667	0.000000e+00	5.936808e-04	NaN	0.13043478	0	0	1
## 319	0.05555556	3.864060e-02	7.455526e-04	NaN	1.00000000	0	0	1
## 320	0.04166667	1.182495e-02	1.656783e-04	NaN	1.00000000	0	0	0
## 321	0.04166667	2.513966e-03	7.593591e-05	NaN	1.00000000	0	0	0
## 322	0.15277778	9.590317e-03	1.035490e-04	NaN	1.00000000	0	0	0
## 323	0.26388889	4.571695e-02	4.072926e-04	NaN	1.00000000	0	0	0
## 324	0.54166667	1.443203e-03	1.380653e-05	NaN	0.34782609	0	0	0
## 325	0.30555556	4.655493e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 326	0.16666667	1.047486e-02	2.623241e-04	NaN	1.00000000	0	0	0
## 327	0.01388889	1.722533e-03	4.280024e-04	NaN	1.00000000	0	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	0	0
## 330	0.15277778	1.378026e-02	3.106469e-04	NaN	1.00000000	0	0	0
## 331	0.18055556	6.685289e-02	1.380653e-05	NaN	1.00000000	0	0	0
## 332	0.20833333	6.890130e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 333	0.54166667	1.870577e-01	6.627134e-04	NaN	0.00000000	0	0	0
## 334	0.04166667	1.303538e-02	1.311620e-04	NaN	1.00000000	0	0	0
## 335	0.12500000	4.776536e-02	9.181342e-04	NaN	1.00000000	0	0	0
## 336	0.20833333	1.582868e-03	2.070979e-04	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	0.72222222	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	0.58333333	0.000000e+00	6.903265e-06	NaN	1.00000000	0	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	0
## 346	0.43055556	1.056797e-02	6.903265e-06	NaN	1.00000000	0	1	0
## 347	0.43055556	0.000000e+00	6.903265e-06	NaN	1.00000000	0	1	0
## 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	0	0	1
## 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	1	0	0
## 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	0	1	0
## 359	0.72222222	2.839851e-03	1.401363e-03	NaN	1.00000000	0	1	0
## 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	0	0	1
## 363	0.15277778	7.216015e-03	1.953624e-03	NaN	1.00000000	0	0	0
## 364	0.27777778	2.583799e-02	2.574918e-03	NaN	1.00000000	0	0	0
## 365	0.55555556	1.955307e-03	1.035490e-03	NaN	1.00000000	0	0	0
## 366	0.59722222	9.869646e-03	7.904238e-03	NaN	1.00000000	0	0	0
## 367	0.31944444	1.862197e-03	5.798742e-04	NaN	1.00000000	0	0	0
## 368	0.54166667	8.566108e-03	2.830338e-04	NaN	1.00000000	0	0	0
## 369	0.48611111	6.098696e-03	1.221878e-03	NaN	1.00000000	0	0	0
## 370	0.69444444	1.675978e-03	1.277104e-03	NaN	1.00000000	0	0	0
## 371	0.19444444	1.820298e-02	4.418089e-04	NaN	1.00000000	0	0	0
## 372	0.81944444	1.396648e-03	6.558101e-04	NaN	1.00000000	0	0	0
## 373	0.76388889	3.910615e-03	8.007787e-04	NaN	1.00000000	0	0	0
## 374	0.81944444	1.452514e-02	6.219841e-03	NaN	1.00000000	0	0	0
## 375	0.33333333	1.638734e-02	6.972297e-04	NaN	1.00000000	1	0	0
## 376	0.58333333	1.620112e-02	2.692273e-04	NaN	1.00000000	0	1	0
## 377	0.61111111	7.402235e-03	9.595538e-04	NaN	1.00000000	0	1	0
## 378	0.75000000	2.746741e-03	2.968404e-04	NaN	1.00000000	0	1	0
## 379	0.08333333	9.404097e-03	2.623241e-04	NaN	1.00000000	0	1	0
## 380	0.54166667	1.391993e-02	4.141959e-04	NaN	1.00000000	0	0	1
## 381	0.73611111	1.364060e-02	5.729710e-04	NaN	1.00000000	0	0	1
## 382	0.76388889	1.070764e-03	1.449686e-04	NaN	1.00000000	0	0	0
## 383	0.27777778	1.527002e-02	1.725816e-04	NaN	1.00000000	0	0	0
## 384	0.19444444	2.099628e-02	1.035490e-04	NaN	1.00000000	0	0	0
## 385	0.68055556	1.070764e-03	1.173555e-04	NaN	1.00000000	0	0	0
## 386	0.65277778	1.294227e-02	9.664570e-05	NaN	1.00000000	0	0	0
## 387	0.91666667	1.852886e-02	1.028586e-03	NaN	1.00000000	0	0	0
## 388	0.52777778	2.104283e-02	6.212938e-04	NaN	1.00000000	0	0	0
## 389	0.97222222	1.452514e-02	1.173555e-04	NaN	1.00000000	0	0	0
## 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	0	0
## 392	0.55555556	3.542831e-02	3.244534e-04	NaN	1.00000000	0	0	0
## 393	0.62500000	1.047486e-02	1.173555e-04	NaN	1.00000000	0	0	0
## 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	0
## 397	0.18055556	9.869646e-03	1.180458e-03	NaN	1.00000000	0	0	0
## 398	0.98611111	4.422719e-03	6.019647e-03	NaN	1.00000000	0	0	0
## 399	0.48611111	9.958101e-02	1.000973e-03	NaN	1.00000000	1	0	0

## 400	0.61111111	7.448790e-04	9.409150e-03	NaN	1.00000000	1	0	0
## 401	0.50000000	8.985102e-03	1.145942e-03	NaN	1.00000000	0	1	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	0	0
## 407	0.38888889	9.310987e-03	8.698113e-04	NaN	1.00000000	0	0	0
## 408	0.79166667	2.039106e-02	9.630054e-03	NaN	1.00000000	0	0	0
## 409	0.41666667	2.039106e-02	1.006496e-02	NaN	1.00000000	0	0	0
## 410	0.88888889	0.000000e+00	6.074873e-04	NaN	1.00000000	0	0	0
## 411	0.51388889	1.834264e-02	8.767146e-04	NaN	1.00000000	0	0	0
## 412	0.80555556	0.000000e+00	6.005840e-04	NaN	1.00000000	0	0	0
## 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	0	0
## 415	0.11111111	1.429236e-02	4.210991e-04	NaN	1.00000000	0	0	0
## 416	0.69444444	1.163873e-03	7.041330e-04	NaN	1.00000000	0	0	0
## 417	0.47222222	1.997207e-02	6.765199e-04	NaN	1.00000000	0	0	0
## 418	0.93055556	1.396648e-03	4.556155e-04	NaN	1.00000000	0	0	0
## 419	0.45833333	2.202048e-02	1.104522e-03	NaN	1.00000000	0	1	0
## 420	0.02777778	1.936685e-02	2.001947e-04	NaN	1.00000000	0	1	0
## 421	0.88888889	7.700186e-02	2.913178e-03	NaN	1.00000000	0	1	0
## 422	0.63888889	9.683426e-03	5.108416e-04	NaN	1.00000000	0	1	0
## 423	0.13888889	9.404097e-03	1.656783e-04	NaN	1.00000000	0	0	1
## 424	0.61111111	0.000000e+00	1.311620e-04	NaN	1.00000000	0	0	1
## 425	0.61111111	0.000000e+00	2.968404e-04	NaN	1.00000000	0	0	1
## 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	0	0	1
## 428	0.75000000	1.210428e-03	7.593591e-04	NaN	1.00000000	0	0	1
## 429	0.52777778	8.472998e-03	8.905211e-04	NaN	1.00000000	0	0	0
## 430	0.62500000	1.382682e-02	1.725816e-04	NaN	1.00000000	0	0	0
## 431	0.91666667	1.108007e-02	2.692273e-04	NaN	1.00000000	0	0	0
## 432	0.79166667	1.489758e-02	1.311620e-04	NaN	1.00000000	0	0	0
## 433	0.55555556	1.443203e-02	1.642977e-03	NaN	1.00000000	0	0	0
## 434	0.97222222	0.000000e+00	7.041330e-04	NaN	1.00000000	0	0	0
## 435	0.34722222	2.476723e-02	2.485175e-04	NaN	1.00000000	0	0	0
## 436	0.01388889	2.039106e-02	9.250375e-04	NaN	1.00000000	0	0	0
## 437	0.09722222	0.000000e+00	4.349057e-04	NaN	1.00000000	0	0	0
## 438	0.70833333	0.000000e+00	2.561111e-03	NaN	1.00000000	0	0	0
## 439	0.44444444	1.820298e-02	5.315514e-04	NaN	1.00000000	0	0	0
## 440	0.90277778	1.019553e-02	5.729710e-04	NaN	1.00000000	0	0	0
## 441	0.54166667	1.750466e-02	3.865828e-04	NaN	1.00000000	0	0	0
## 442	0.91666667	2.094972e-03	3.175502e-04	NaN	1.00000000	0	0	0
## 443	0.65277778	1.722533e-03	1.035490e-03	NaN	1.00000000	0	0	0
## 444	0.65277778	1.629423e-03	1.049296e-03	NaN	1.00000000	0	0	0
## 445	0.83333333	3.119181e-03	9.802636e-04	NaN	1.00000000	0	0	0
## 446	0.29166667	2.974860e-02	8.145852e-04	NaN	1.00000000	1	0	0
## 447	0.83333333	1.722533e-03	1.139039e-03	NaN	1.00000000	1	0	0
## 448	0.05555556	7.821229e-03	6.903265e-06	NaN	1.00000000	0	1	0
## 449	0.95833333	3.296089e-02	3.175502e-04	NaN	1.00000000	0	1	0

## 450	0.91666667	5.121043e-04	4.280024e-04	NaN	1.00000000	0	1	0
## 451	0.15277778	9.357542e-03	9.526505e-04	NaN	1.00000000	0	1	0
## 452	0.66666667	7.946927e-02	1.560138e-03	NaN	1.00000000	0	1	0
## 453	0.75000000	2.164804e-02	4.832285e-04	NaN	1.00000000	0	0	1
## 454	0.59722222	8.147114e-03	4.487122e-04	NaN	1.00000000	0	0	1
## 455	0.80555556	0.000000e+00	6.281971e-04	NaN	1.00000000	0	0	0
## 456	0.27777778	7.900372e-02	1.663687e-03	NaN	1.00000000	0	0	0
## 457	0.55555556	1.303538e-03	2.271174e-03	NaN	1.00000000	0	0	0
## 458	0.51388889	8.566108e-03	8.076820e-04	NaN	1.00000000	0	0	0
## 459	0.63888889	1.536313e-03	4.556155e-04	NaN	1.00000000	0	0	0
## 460	0.20833333	0.000000e+00	5.315514e-04	NaN	1.00000000	0	0	0
## 461	0.84722222	1.703911e-02	3.727763e-04	NaN	1.00000000	0	0	0
## 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	0	0	0
## 465	0.81944444	1.028864e-02	1.014780e-03	NaN	1.00000000	0	0	0
## 466	0.91666667	1.317505e-02	1.725816e-04	NaN	1.00000000	0	1	0
## 467	0.40277778	6.378026e-03	2.347110e-04	NaN	1.00000000	0	1	0
## 468	0.11111111	1.103352e-02	2.278077e-04	NaN	1.00000000	0	1	0
## 469	0.09722222	7.262570e-03	3.106469e-04	NaN	1.00000000	0	0	1
## 470	0.34722222	2.183426e-02	1.518718e-03	NaN	1.00000000	0	0	1
## 471	0.15277778	1.191806e-02	9.595538e-04	NaN	1.00000000	0	0	1
## 472	0.83333333	3.817505e-03	1.898398e-03	NaN	1.00000000	0	0	0
## 473	0.30555556	2.453445e-02	2.692273e-04	NaN	1.00000000	0	0	0
## 474	0.69444444	1.540968e-02	9.802636e-04	NaN	1.00000000	0	0	0
## 475	0.43055556	4.329609e-03	4.280024e-04	NaN	1.00000000	0	0	0
## 476	0.31944444	2.327747e-03	1.007877e-03	NaN	1.00000000	0	0	0
## 477	0.34722222	1.894786e-02	1.781042e-03	NaN	1.00000000	0	0	0
## 478	0.00000000	1.070764e-03	3.175502e-04	NaN	1.00000000	0	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	0	0
## 481	0.43055556	1.173184e-02	2.070979e-05	NaN	1.00000000	0	0	0
## 482	0.90277778	1.201117e-02	2.416143e-04	NaN	1.00000000	0	0	0
## 483	0.12500000	9.590317e-03	3.631117e-03	NaN	1.00000000	0	0	0
## 484	0.98611111	1.499069e-02	8.974244e-04	NaN	1.00000000	0	0	0
## 485	0.41666667	2.411546e-02	4.687317e-03	NaN	1.00000000	0	0	0
## 486	0.33333333	2.476723e-02	1.498008e-03	NaN	1.00000000	0	0	0
## 487	0.34722222	6.289572e-02	2.409239e-03	NaN	1.00000000	1	0	0
## 488	0.22222222	1.559590e-02	2.347110e-04	NaN	1.00000000	1	0	0
## 489	0.81944444	9.450652e-03	2.429949e-03	NaN	1.00000000	0	1	0
## 490	0.59722222	2.653631e-03	2.616337e-03	NaN	1.00000000	0	1	0
## 491	0.31944444	3.635940e-02	1.435879e-03	NaN	1.00000000	0	0	0
## 492	0.15277778	3.379888e-02	7.869722e-04	NaN	1.00000000	0	0	0
## 493	0.00000000	2.216015e-02	8.145852e-04	NaN	1.00000000	0	0	0
## 494	0.95833333	1.378026e-02	7.662624e-04	NaN	1.00000000	0	0	0
## 495	0.79166667	3.412477e-02	7.317460e-04	NaN	1.00000000	0	0	0
## 496	0.31944444	1.485102e-02	1.221878e-03	NaN	1.00000000	0	0	0
## 497	0.20833333	4.236499e-03	1.718913e-03	NaN	1.00000000	0	0	0
## 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	0	0	0

## 500	0.19444444	1.354749e-02	7.662624e-04	NaN	1.00000000	0	0	0
## 501	0.23611111	1.014898e-02	2.008850e-03	NaN	1.00000000	0	0	0
## 502	0.93055556	1.159218e-02	4.901318e-04	NaN	1.00000000	0	0	0
## 503	0.01388889	1.191806e-02	4.970350e-04	NaN	1.00000000	0	0	0
## 504	0.54166667	8.240223e-03	7.248428e-04	NaN	1.00000000	0	0	0
## 505	0.65277778	0.000000e+00	1.063103e-03	NaN	1.00000000	0	0	0
## 506	0.30555556	1.862197e-02	4.141959e-04	NaN	1.00000000	0	0	0
## 507	0.76388889	0.000000e+00	8.629081e-04	NaN	1.00000000	0	0	0
## 508	0.16666667	2.001862e-03	3.865828e-04	NaN	1.00000000	1	0	0
## 509	0.84722222	5.633147e-03	1.070006e-03	NaN	1.00000000	1	0	0
## 510	0.94444444	8.612663e-03	3.175502e-04	NaN	1.00000000	1	0	0
## 511	0.00000000	2.234637e-03	9.319407e-04	NaN	1.00000000	1	0	0
## 512	0.22222222	2.700186e-03	2.844145e-03	NaN	1.00000000	0	1	0
## 513	0.22222222	9.590317e-03	8.421983e-04	NaN	1.00000000	0	1	0
## 514	0.16666667	1.308194e-02	1.014780e-03	NaN	1.00000000	0	1	0
## 515	0.76388889	7.621043e-02	4.487122e-04	NaN	1.00000000	0	1	0
## 516	0.20833333	2.458101e-02	4.901318e-04	NaN	1.00000000	0	0	1
## 517	0.31944444	9.543762e-03	7.662624e-04	NaN	1.00000000	0	0	1
## 518	0.58333333	3.026071e-03	3.838215e-03	NaN	1.00000000	0	0	1
## 519	0.88888889	1.280261e-02	4.970350e-04	NaN	1.00000000	0	0	1
## 520	0.33333333	1.945996e-02	4.694220e-04	NaN	1.00000000	0	0	1
## 521	0.80555556	2.188082e-03	1.132135e-03	NaN	1.00000000	0	0	0
## 522	0.29166667	2.388268e-02	2.436852e-03	NaN	1.00000000	0	0	0
## 523	0.56944444	1.215084e-02	7.041330e-04	NaN	1.00000000	0	0	0
## 524	0.41666667	1.256983e-02	5.522612e-04	NaN	1.00000000	0	0	0
## 525	0.69444444	1.024209e-03	7.524558e-04	NaN	1.00000000	0	0	0
## 526	0.43055556	4.189944e-03	6.627134e-04	NaN	1.00000000	0	0	0
## 527	0.12500000	1.280261e-02	3.002920e-03	NaN	1.00000000	0	0	0
## 528	0.22222222	4.189944e-03	6.834232e-04	NaN	1.00000000	0	0	0
## 529	0.50000000	1.582868e-03	2.457562e-03	NaN	1.00000000	0	0	0
## 530	0.54166667	3.119181e-03	2.761306e-04	NaN	1.00000000	0	0	0
## 531	0.79166667	2.094972e-03	7.524558e-04	NaN	1.00000000	0	0	0
## 532	0.68055556	1.238361e-02	8.491015e-04	NaN	1.00000000	0	0	0
## 533	0.54166667	2.188082e-03	4.072926e-04	NaN	1.00000000	0	0	0
## 534	0.50000000	1.108007e-02	5.522612e-04	NaN	1.00000000	0	0	0
## 535	0.31944444	1.396648e-02	1.132135e-03	NaN	1.00000000	0	0	0
## 536	0.52777778	0.000000e+00	2.070979e-05	NaN	1.00000000	0	0	0
## 537	0.68055556	0.000000e+00	4.487122e-04	NaN	1.00000000	0	0	0
## 538	0.73611111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
## 539	0.90277778	6.890130e-03	2.140012e-03	NaN	1.00000000	0	0	0
## 540	0.79166667	1.582868e-03	9.595538e-04	NaN	1.00000000	1	0	0
## 541	0.69444444	1.368715e-02	2.347110e-04	NaN	1.00000000	1	0	0
## 542	0.12500000	2.001862e-03	5.936808e-04	NaN	1.00000000	1	0	0
## 543	0.76388889	1.927374e-02	1.491105e-03	NaN	1.00000000	0	1	0
## 544	0.59722222	1.238361e-02	1.063103e-03	NaN	1.00000000	0	1	0
## 545	0.77777778	0.000000e+00	5.315514e-04	NaN	1.00000000	0	1	0
## 546	0.69444444	0.000000e+00	1.318524e-03	NaN	1.00000000	0	1	0
## 547	0.52777778	8.798883e-03	1.863881e-04	NaN	1.00000000	0	1	0
## 548	0.29166667	4.841713e-03	3.934861e-04	NaN	1.00000000	0	1	0
## 549	0.30555556	2.234637e-03	2.761306e-04	NaN	1.00000000	0	1	0

## 550	0.40277778	3.584730e-03	1.284007e-03	NaN	1.00000000	0	1	0
## 551	0.20833333	4.376164e-03	4.694220e-04	NaN	1.00000000	0	1	0
## 552	0.37500000	1.629423e-03	4.418089e-04	NaN	1.00000000	0	1	0
## 553	0.63888889	1.629423e-03	3.106469e-04	NaN	1.00000000	0	1	0
## 554	0.08333333	4.469274e-03	5.453579e-04	NaN	1.00000000	0	1	0
## 555	0.37500000	2.877095e-02	3.796796e-04	NaN	1.00000000	0	0	1
## 556	0.48611111	9.823091e-03	8.214885e-04	NaN	0.82608696	0	0	0
## 557	0.84722222	4.329609e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 558	0.12500000	4.841713e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 559	0.70833333	1.769088e-03	7.593591e-05	NaN	1.00000000	0	0	0
## 560	0.44444444	1.005587e-02	2.761306e-05	NaN	1.00000000	0	0	0
## 561	0.50000000	5.540037e-03	6.903265e-05	NaN	1.00000000	0	0	0
## 562	0.20833333	4.702048e-03	8.698113e-04	NaN	1.00000000	0	0	0
## 563	0.23611111	4.841713e-03	2.070979e-05	NaN	1.00000000	1	0	0
## 564	0.45833333	4.562384e-03	1.380653e-05	NaN	1.00000000	0	1	0
## 565	0.29166667	5.446927e-03	1.518718e-04	NaN	1.00000000	0	1	0
## 566	0.51388889	3.491620e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 567	0.50000000	3.072626e-03	8.283917e-05	NaN	1.00000000	0	1	0
## 568	0.66666667	7.635009e-03	1.242588e-04	NaN	1.00000000	0	1	0
## 569	0.44444444	3.258845e-03	1.656783e-04	NaN	1.00000000	0	1	0
## 570	0.69444444	1.163873e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 571	0.04166667	1.536313e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 572	0.26388889	5.214153e-03	1.380653e-04	NaN	1.00000000	0	0	1
## 573	0.61111111	4.003724e-03	1.463492e-03	NaN	1.00000000	0	0	0
## 574	0.06944444	9.636872e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 575	0.47222222	7.588454e-03	1.035490e-04	NaN	1.00000000	0	0	0
## 576	0.58333333	5.865922e-03	7.593591e-05	NaN	1.00000000	0	0	0
## 577	0.27777778	0.000000e+00	2.070979e-05	NaN	1.00000000	0	0	0
## 578	0.31944444	4.655493e-03	1.311620e-04	NaN	1.00000000	0	0	0
## 579	0.45833333	5.493482e-03	2.761306e-04	NaN	1.00000000	0	0	0
## 580	0.48611111	4.422719e-03	1.449686e-04	NaN	1.00000000	0	0	0
## 581	1.00000000	9.217877e-03	1.311620e-04	NaN	1.00000000	0	0	0
## 582	0.54166667	8.426443e-03	1.311620e-04	NaN	1.00000000	0	0	0
## 583	0.36111111	8.147114e-03	1.242588e-04	NaN	1.00000000	0	0	0
## 584	0.16666667	2.281192e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 585	0.58333333	4.748603e-03	2.278077e-04	NaN	1.00000000	0	0	0
## 586	0.31944444	3.351955e-03	1.725816e-04	NaN	1.00000000	0	0	0
## 587	0.36111111	5.679702e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 588	0.76388889	6.843575e-03	8.283917e-05	NaN	1.00000000	0	0	0
## 589	0.44444444	5.353818e-03	3.313567e-04	NaN	1.00000000	0	0	0
## 590	0.63888889	5.446927e-03	7.593591e-05	NaN	1.00000000	0	0	0
## 591	0.90277778	7.728119e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 592	0.93055556	4.934823e-03	1.656783e-04	NaN	1.00000000	0	0	0
## 593	0.58333333	4.422719e-03	1.932914e-04	NaN	1.00000000	0	0	0
## 594	0.50000000	4.562384e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 595	0.95833333	2.607076e-03	2.070979e-05	NaN	1.00000000	0	1	0
## 596	0.27777778	3.910615e-03	1.256394e-03	NaN	1.00000000	0	1	0
## 597	0.27777778	7.122905e-03	1.173555e-04	NaN	1.00000000	0	1	0
## 598	0.93055556	5.214153e-03	6.903265e-06	NaN	1.00000000	0	1	0
## 599	0.66666667	9.590317e-03	1.380653e-04	NaN	1.00000000	0	0	1

## 600	0.16666667	5.214153e-03	9.664570e-05	NaN	1.00000000	0	0	1
## 601	0.06944444	8.007449e-03	8.974244e-05	NaN	1.00000000	0	0	1
## 602	0.93055556	5.633147e-03	2.001947e-04	NaN	1.00000000	0	0	1
## 603	0.13888889	1.666667e-02	2.761306e-05	NaN	1.00000000	0	0	1
## 604	0.76388889	7.774674e-03	1.173555e-04	NaN	1.00000000	0	0	0
## 605	0.55555556	1.247672e-02	1.380653e-05	NaN	1.00000000	0	0	0
## 606	0.01388889	7.448790e-03	5.729710e-04	NaN	1.00000000	0	0	0
## 607	0.81944444	8.798883e-03	3.451632e-05	NaN	1.00000000	0	0	0
## 608	0.19444444	1.759777e-02	2.070979e-05	NaN	1.00000000	0	0	0
## 609	0.75000000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
## 610	0.45833333	5.726257e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 611	0.88888889	8.007449e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 612	0.50000000	7.216015e-03	5.218868e-03	NaN	1.00000000	0	0	0
## 613	0.75000000	7.216015e-03	1.380653e-04	NaN	1.00000000	0	0	0
## 614	0.02777778	4.096834e-03	1.242588e-04	NaN	1.00000000	0	0	0
## 615	0.97222222	9.497207e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 616	0.15277778	8.007449e-03	8.076820e-04	NaN	1.00000000	0	0	0
## 617	0.18055556	6.703911e-03	1.242588e-04	NaN	1.00000000	0	0	0
## 618	0.41666667	3.677840e-03	1.587751e-04	NaN	1.00000000	0	0	0
## 619	0.56944444	3.072626e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 620	0.62500000	5.586592e-03	1.587751e-04	NaN	1.00000000	0	0	0
## 621	0.43055556	6.424581e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 622	0.94444444	8.472998e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 623	0.98611111	3.910615e-03	1.587751e-04	NaN	1.00000000	0	0	0
## 624	0.38888889	9.543762e-03	1.311620e-04	NaN	1.00000000	1	0	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	1	0
## 627	0.61111111	6.936685e-03	9.664570e-05	NaN	1.00000000	0	1	0
## 628	0.52777778	9.590317e-03	1.311620e-04	NaN	1.00000000	0	1	0
## 629	0.36111111	7.681564e-03	9.664570e-05	NaN	1.00000000	0	1	0
## 630	0.48611111	5.400372e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 631	0.40277778	6.284916e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 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	0	0	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	0	0	1
## 636	0.30555556	3.351955e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 637	0.68055556	7.728119e-03	1.380653e-04	NaN	0.73913043	0	0	1
## 638	0.34722222	2.560521e-03	6.903265e-06	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	0	1
## 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	0	0	1
## 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
## 647	0.47222222	1.303538e-03	0.000000e+00	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	0	1

## 650	0.44444444	2.700186e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 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
## 653	0.55555556	7.402235e-03	6.903265e-06	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	0.05555556	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	0.22222222	2.653631e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 661	0.18055556	3.165736e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 662	0.52777778	4.189944e-03	0.000000e+00	NaN	0.00000000	0	0	0
## 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
## 667	0.43055556	7.681564e-03	1.242588e-04	NaN	1.00000000	1	0	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	1	0	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	0.55555556	7.774674e-03	6.351003e-04	NaN	1.00000000	0	0	0
## 675	0.00000000	2.392924e-02	3.934861e-04	NaN	1.00000000	0	0	1
## 676	0.80555556	6.936685e-03	1.863881e-04	NaN	1.00000000	0	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
## 683	0.00000000	7.541899e-03	0.000000e+00	NaN	1.00000000	0	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
## 686	0.66666667	3.538175e-03	0.000000e+00	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
## 697	0.20833333	2.374302e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 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	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	1	0
## 718	0.51388889	2.653631e-03	1.035490e-04	NaN	1.00000000	0	0	1
## 719	0.88888889	3.770950e-03	6.903265e-05	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
## 722	0.84722222	3.584730e-03	1.449686e-04	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	1	0
## 736	0.94444444	8.659218e-03	1.449686e-04	NaN	1.00000000	0	0	0
## 737	0.86111111	6.284916e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 738	0.51388889	3.770950e-03	7.593591e-05	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	0.54166667	4.050279e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 748	0.95833333	4.236499e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 749	0.11111111	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	0.11111111	1.005587e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 756	0.33333333	6.750466e-03	1.380653e-05	NaN	1.00000000	0	1	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	1	0	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	0
## 774	0.16666667	1.354749e-02	7.110362e-04	NaN	1.00000000	0	1	0
## 775	0.52777778	3.305400e-03	2.671563e-03	NaN	1.00000000	0	0	1
## 776	0.22222222	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	0.36111111	7.355680e-03	6.834232e-04	NaN	0.60869565	0	0	0
## 781	0.40277778	0.000000e+00	1.717532e-02	NaN	1.00000000	0	0	0
## 782	0.93055556	1.582868e-03	2.670183e-02	NaN	1.00000000	0	0	0
## 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
## 786	0.69444444	1.070764e-03	8.283917e-05	NaN	1.00000000	0	0	0
## 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	0
## 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	0
## 792	0.27777778	8.519553e-03	8.283917e-05	NaN	1.00000000	0	0	0
## 793	0.90277778	6.983240e-03	7.317460e-04	NaN	1.00000000	1	0	0
## 794	0.29166667	5.586592e-04	2.070979e-05	NaN	1.00000000	0	1	0
## 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	0.22222222	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	0	0	0
## 804	0.84722222	3.119181e-03	1.449686e-04	NaN	1.00000000	0	0	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	0	0	0
## 809	0.22222222	3.957169e-03	1.104522e-04	NaN	1.00000000	0	0	0
## 810	0.33333333	8.379888e-04	1.518718e-04	NaN	1.00000000	0	0	0
## 811	0.23611111	2.793296e-03	3.106469e-04	NaN	1.00000000	1	0	0
## 812	0.68055556	4.748603e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 813	0.90277778	3.910615e-03	1.863881e-04	NaN	1.00000000	1	0	0
## 814	0.29166667	4.189944e-04	3.693247e-03	NaN	1.00000000	1	0	0
## 815	0.61111111	5.493482e-03	2.623241e-04	NaN	1.00000000	1	0	0
## 816	0.87500000	5.446927e-03	2.070979e-05	NaN	1.00000000	0	1	0
## 817	0.44444444	6.983240e-04	2.761306e-05	NaN	1.00000000	0	0	1
## 818	0.58333333	1.675978e-03	2.761306e-05	NaN	1.00000000	0	0	1
## 819	0.04166667	1.536313e-03	1.173555e-04	NaN	1.00000000	0	0	1
## 820	0.73611111	4.003724e-03	2.001947e-04	NaN	1.00000000	0	0	0
## 821	0.51388889	2.420857e-03	2.485175e-04	NaN	1.00000000	0	0	0
## 822	0.86111111	4.096834e-03	5.246481e-04	NaN	1.00000000	0	0	0
## 823	0.41666667	1.862197e-03	2.347110e-04	NaN	1.00000000	1	0	0
## 824	0.50000000	3.305400e-03	1.863881e-04	NaN	1.00000000	0	1	0
## 825	0.97222222	6.517691e-04	1.173555e-04	NaN	1.00000000	0	1	0
## 826	0.87500000	2.560521e-03	1.725816e-04	NaN	1.00000000	0	1	0
## 827	0.13888889	4.329609e-03	3.175502e-04	NaN	1.00000000	0	1	0
## 828	0.47222222	2.467412e-03	1.242588e-04	NaN	1.00000000	0	1	0
## 829	0.69444444	2.216015e-02	7.593591e-05	NaN	1.00000000	0	1	0
## 830	0.77777778	1.908752e-03	1.104522e-04	NaN	1.00000000	0	0	1
## 831	0.18055556	3.165736e-03	2.347110e-04	NaN	1.00000000	0	0	1
## 832	0.77777778	9.310987e-04	7.593591e-05	NaN	1.00000000	0	0	1
## 833	0.63888889	7.076350e-03	5.729710e-04	NaN	1.00000000	0	0	0
## 834	0.95833333	1.862197e-04	4.210991e-04	NaN	1.00000000	0	0	0
## 835	0.05555556	2.188082e-03	1.587751e-04	NaN	1.00000000	0	0	0
## 836	0.31944444	6.517691e-04	8.974244e-05	NaN	1.00000000	0	0	0
## 837	0.12500000	4.562384e-03	3.382600e-04	NaN	1.00000000	0	0	0
## 838	0.09722222	3.864060e-03	2.209045e-04	NaN	1.00000000	0	0	0
## 839	0.93055556	7.448790e-04	7.400300e-03	NaN	1.00000000	0	0	0
## 840	0.66666667	2.979516e-03	3.382600e-04	NaN	1.00000000	0	0	0
## 841	0.20833333	7.262570e-03	2.554208e-04	NaN	1.00000000	0	0	0
## 842	1.00000000	8.705773e-03	7.593591e-04	NaN	1.00000000	0	0	0
## 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	0	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	NaN	1.00000000	0	1	0
## 848	0.02777778	3.724395e-04	2.830338e-04	NaN	1.00000000	0	1	0
## 849	0.66666667	5.726257e-03	6.281971e-04	NaN	1.00000000	0	0	1

## 850	0.33333333	4.655493e-04	4.280024e-04	NaN	1.00000000	0	0	1
## 851	0.29166667	1.256983e-03	3.023630e-03	NaN	1.00000000	0	0	1
## 852	0.22222222	3.724395e-04	1.932914e-04	NaN	0.95652174	0	0	0
## 853	0.77777778	5.167598e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 854	0.55555556	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	0
## 861	0.95833333	5.214153e-03	2.070979e-05	NaN	1.00000000	0	0	1
## 862	0.95833333	2.886406e-03	8.974244e-05	NaN	1.00000000	0	1	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	0	0
## 865	0.11111111	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
## 867	0.18055556	7.635009e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 868	0.18055556	7.914339e-03	2.761306e-05	NaN	1.00000000	0	0	0
## 869	0.80555556	5.400372e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 870	0.88888889	5.400372e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 871	0.04166667	1.629423e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 872	0.12500000	6.238361e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 873	0.93055556	1.047486e-02	0.000000e+00	NaN	1.00000000	0	0	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	0	0	1
## 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	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
## 886	0.47222222	1.354749e-02	1.380653e-05	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	NaN	1.00000000	0	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	0
## 904	0.33333333	1.396648e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 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
## 910	0.29166667	1.345438e-02	7.593591e-05	NaN	1.00000000	0	0	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	1	0
## 913	0.18055556	1.028864e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 914	0.00000000	1.438547e-02	5.660677e-04	NaN	1.00000000	0	0	0
## 915	0.05555556	5.493482e-03	0.000000e+00	NaN	1.00000000	0	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	0	0	0
## 918	0.11111111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	0
## 919	0.34722222	5.121043e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 920	0.29166667	2.793296e-03	2.761306e-05	NaN	1.00000000	0	0	1
## 921	0.90277778	1.070764e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 922	0.44444444	4.608939e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 923	0.41666667	2.467412e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 924	0.87500000	1.722533e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 925	0.50000000	2.094972e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 926	0.95833333	5.912477e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 927	0.62500000	0.000000e+00	2.070979e-05	NaN	1.00000000	0	0	0
## 928	0.63888889	0.000000e+00	1.380653e-05	NaN	1.00000000	0	0	0
## 929	0.51388889	3.677840e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 930	0.47222222	4.716015e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 931	0.68055556	1.918063e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 932	0.48611111	2.183426e-02	3.727763e-04	NaN	1.00000000	0	0	1
## 933	0.69444444	1.452514e-02	1.380653e-05	NaN	1.00000000	0	0	1
## 934	1.00000000	6.890130e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 935	0.66666667	2.932961e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 936	0.79166667	0.000000e+00	2.761306e-05	NaN	1.00000000	0	0	0
## 937	0.40277778	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
## 938	0.51388889	1.205773e-02	8.283917e-05	NaN	1.00000000	0	1	0
## 939	0.63888889	1.066108e-02	2.070979e-05	NaN	1.00000000	0	0	1
## 940	0.05555556	2.881750e-02	0.000000e+00	NaN	1.00000000	0	0	1
## 941	0.31944444	1.554935e-02	8.974244e-05	NaN	1.00000000	0	0	1
## 942	0.30555556	8.379888e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 943	0.93055556	9.776536e-04	1.311620e-04	NaN	1.00000000	0	0	0
## 944	0.41666667	7.076350e-03	4.141959e-05	NaN	1.00000000	0	0	0
## 945	0.75000000	9.869646e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 946	0.16666667	1.114060e-01	0.000000e+00	NaN	1.00000000	1	0	0
## 947	0.02777778	5.623836e-02	6.903265e-06	NaN	1.00000000	0	1	0
## 948	0.06944444	6.005587e-03	6.903265e-06	NaN	1.00000000	0	1	0
## 949	0.62500000	6.517691e-04	0.000000e+00	NaN	1.00000000	0	0	1

## 950	0.45833333	4.143389e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 951	0.01388889	6.843575e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 952	0.00000000	4.050279e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 953	0.29166667	2.094972e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 954	0.40277778	2.094972e-03	2.001947e-04	NaN	1.00000000	1	0	0
## 955	0.59722222	1.350093e-02	1.173555e-04	NaN	1.00000000	0	1	0
## 956	0.77777778	4.283054e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 957	0.70833333	4.888268e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 958	0.50000000	3.165736e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 959	0.88888889	1.166201e-01	0.000000e+00	NaN	1.00000000	0	0	1
## 960	0.73611111	4.027002e-02	6.903265e-06	NaN	1.00000000	0	0	0
## 961	0.31944444	8.007449e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 962	0.30555556	1.620112e-02	1.380653e-05	NaN	1.00000000	0	0	0
## 963	0.38888889	1.238361e-02	6.903265e-06	NaN	1.00000000	0	0	0
## 964	0.66666667	5.353818e-03	8.283917e-05	NaN	1.00000000	0	1	0
## 965	0.11111111	1.634078e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 966	0.84722222	1.014898e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 967	0.33333333	3.263501e-02	1.380653e-04	NaN	1.00000000	0	0	0
## 968	0.09722222	3.510242e-02	1.380653e-05	NaN	1.00000000	0	1	0
## 969	0.41666667	3.337989e-02	0.000000e+00	NaN	1.00000000	0	0	1
## 970	0.77777778	1.866853e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 971	0.23611111	1.680633e-02	0.000000e+00	NaN	1.00000000	0	1	0
## 972	0.70833333	1.587523e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 973	0.65277778	1.010242e-02	6.903265e-06	NaN	1.00000000	0	0	0
## 974	0.12500000	1.471136e-02	7.593591e-05	NaN	1.00000000	0	1	0
## 975	0.61111111	1.545624e-02	0.000000e+00	NaN	1.00000000	0	0	1
## 976	0.20833333	1.103818e-01	3.451632e-05	NaN	1.00000000	0	0	0
## 977	0.51388889	2.122905e-02	2.070979e-05	NaN	1.00000000	0	0	0
## 978	0.63888889	1.233706e-02	1.380653e-05	NaN	1.00000000	0	0	0
## 979	0.68055556	1.615456e-02	6.903265e-06	NaN	1.00000000	0	0	0
## 980	0.34722222	3.319367e-02	1.380653e-05	NaN	1.00000000	0	0	0
## 981	0.22222222	1.359404e-02	9.664570e-05	NaN	1.00000000	0	0	0
## 982	0.11111111	1.210428e-02	0.000000e+00	NaN	1.00000000	0	1	0
## 983	0.88888889	1.680633e-02	6.903265e-06	NaN	1.00000000	0	0	1
## 984	0.09722222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	1
## 985	0.40277778	2.756052e-02	6.903265e-05	NaN	1.00000000	0	0	0
## 986	0.20833333	4.562384e-03	1.118329e-03	NaN	1.00000000	0	0	1
## 987	0.65277778	2.467412e-03	6.420036e-04	NaN	1.00000000	0	0	0
## 988	0.70833333	4.329609e-03	2.899371e-04	NaN	1.00000000	0	0	0
## 989	0.97222222	5.074488e-03	3.796796e-04	NaN	1.00000000	0	1	0
## 990	0.40277778	6.471136e-03	3.451632e-04	NaN	1.00000000	0	0	1
## 991	0.68055556	8.379888e-04	4.210991e-04	NaN	1.00000000	0	0	0
## 992	0.54166667	7.169460e-03	7.317460e-04	NaN	1.00000000	1	0	0
## 993	0.69444444	5.540037e-03	1.311620e-04	NaN	1.00000000	0	0	1
## 994	0.22222222	4.189944e-03	8.214885e-04	NaN	1.00000000	0	0	0
## 995	0.16666667	9.217877e-03	4.694220e-04	NaN	1.00000000	0	0	0
## 996	0.70833333	9.264432e-03	2.001947e-04	NaN	1.00000000	1	0	0
## 997	0.73611111	6.517691e-03	1.587751e-04	NaN	1.00000000	0	0	1
## 998	0.18055556	8.472998e-03	3.451632e-04	NaN	1.00000000	0	0	0
## 999	0.86111111	8.193669e-03	2.989114e-03	NaN	1.00000000	0	0	0

## 1000	0.16666667	1.112663e-02	3.382600e-04	NaN	1.00000000	1	0	0
## 1001	0.79166667	1.033520e-02	1.145942e-03	NaN	1.00000000	0	0	1
## 1002	0.66666667	1.042831e-02	3.727763e-04	NaN	1.00000000	0	0	0
## 1003	0.34722222	1.000931e-02	5.453579e-04	NaN	1.00000000	0	1	0
## 1004	0.97222222	9.636872e-03	3.934861e-04	NaN	1.00000000	0	0	0
## 1005	0.65277778	6.843575e-03	4.832285e-04	NaN	1.00000000	0	0	0
## 1006	0.66666667	1.121974e-02	1.587751e-04	NaN	1.00000000	0	1	0
## 1007	0.43055556	7.635009e-03	8.905211e-04	NaN	1.00000000	0	0	1
## 1008	1.00000000	6.750466e-03	2.278077e-04	NaN	1.00000000	0	0	0
## 1009	0.52777778	3.026071e-03	3.865828e-04	NaN	1.00000000	0	0	0
## 1010	0.83333333	5.633147e-03	3.175502e-04	NaN	1.00000000	0	0	0
## 1011	0.69444444	7.169460e-03	2.692273e-04	NaN	1.00000000	0	0	0
## 1012	0.73611111	9.497207e-03	3.796796e-04	NaN	1.00000000	1	0	0
## 1013	0.61111111	5.353818e-03	1.863881e-04	NaN	1.00000000	0	1	0
## 1014	0.73611111	7.728119e-03	1.242588e-04	NaN	1.00000000	0	0	1
## 1015	0.50000000	6.517691e-03	2.278077e-04	NaN	1.00000000	0	0	0
## 1016	0.50000000	6.331471e-03	3.313567e-04	NaN	1.00000000	0	0	0
## 1017	0.38888889	9.776536e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1018	0.80555556	2.374302e-03	1.311620e-04	NaN	1.00000000	0	0	0
## 1019	0.51388889	4.702048e-03	3.106469e-04	NaN	1.00000000	1	0	0
## 1020	0.08333333	4.981378e-03	1.863881e-04	NaN	1.00000000	0	1	0
## 1021	0.54166667	8.938547e-03	5.660677e-04	NaN	1.00000000	0	0	1
## 1022	0.81944444	7.402235e-03	1.173555e-03	NaN	1.00000000	0	0	0
## 1023	0.05555556	6.238361e-03	2.070979e-04	NaN	1.00000000	0	0	0
## 1024	0.93055556	7.495345e-03	2.581821e-03	NaN	1.00000000	0	0	0
## 1025	0.55555556	7.914339e-03	5.729710e-04	NaN	1.00000000	0	0	0
## 1026	0.18055556	7.122905e-03	4.832285e-04	NaN	1.00000000	1	0	0
## 1027	0.83333333	2.234637e-03	1.311620e-04	NaN	1.00000000	0	1	0
## 1028	0.20833333	1.368715e-02	3.796796e-04	NaN	1.00000000	0	1	0
## 1029	0.08333333	1.243017e-02	2.623241e-04	NaN	1.00000000	0	0	1
## 1030	0.38888889	6.098696e-03	9.457472e-04	NaN	1.00000000	0	0	0
## 1031	0.33333333	1.084730e-02	2.554208e-04	NaN	1.00000000	0	0	0
## 1032	0.55555556	2.746741e-03	3.106469e-04	NaN	1.00000000	0	0	0
## 1033	0.19444444	1.005587e-02	1.173555e-04	NaN	1.00000000	0	0	0
## 1034	0.55555556	1.159218e-02	1.021683e-03	NaN	1.00000000	0	0	0
## 1035	0.23611111	6.378026e-03	2.001947e-04	NaN	1.00000000	0	0	0
## 1036	0.62500000	5.865922e-03	3.658730e-04	NaN	1.00000000	1	0	0
## 1037	0.88888889	1.052142e-02	3.520665e-04	NaN	1.00000000	1	0	0
## 1038	0.22222222	4.283054e-03	4.210991e-04	NaN	1.00000000	0	1	0
## 1039	0.12500000	5.446927e-03	7.593591e-05	NaN	1.00000000	0	1	0
## 1040	0.84722222	6.098696e-03	3.244534e-04	NaN	1.00000000	0	0	1
## 1041	0.66666667	7.774674e-03	2.119302e-03	NaN	1.00000000	0	0	0
## 1042	0.11111111	7.495345e-03	4.280024e-04	NaN	1.00000000	0	0	0
## 1043	0.48611111	6.703911e-03	2.554208e-04	NaN	1.00000000	0	0	0
## 1044	0.47222222	1.089385e-02	1.380653e-04	NaN	1.00000000	0	0	0
## 1045	0.66666667	4.515829e-03	9.112309e-04	NaN	1.00000000	1	0	0
## 1046	0.54166667	6.703911e-03	9.526505e-04	NaN	1.00000000	0	1	0
## 1047	0.04166667	6.331471e-03	2.029560e-03	NaN	1.00000000	0	0	1
## 1048	0.02777778	6.517691e-03	1.083813e-03	NaN	1.00000000	0	0	0
## 1049	0.58333333	3.351955e-03	1.359943e-03	NaN	1.00000000	0	0	0

## 1050	0.62500000	6.657356e-03	8.560048e-04	NaN	1.00000000	0	0	0
## 1051	0.69444444	6.983240e-03	7.524558e-04	NaN	1.00000000	0	0	0
## 1052	0.38888889	7.216015e-03	7.317460e-04	NaN	1.00000000	1	0	0
## 1053	0.95833333	6.890130e-03	4.832285e-04	NaN	1.00000000	0	0	1
## 1054	0.59722222	3.491620e-03	9.388440e-04	NaN	1.00000000	0	0	0
## 1055	0.88888889	5.865922e-03	2.029560e-03	NaN	1.00000000	0	0	0
## 1056	0.37500000	5.027933e-03	7.179395e-04	NaN	1.00000000	0	0	0
## 1057	0.01388889	8.100559e-03	4.141959e-04	NaN	1.00000000	0	0	0
## 1058	0.44444444	6.471136e-03	3.658730e-04	NaN	1.00000000	0	1	0
## 1059	0.59722222	2.560521e-03	6.834232e-04	NaN	1.00000000	0	0	1
## 1060	0.44444444	6.424581e-03	5.729710e-04	NaN	1.00000000	0	0	0
## 1061	0.72222222	8.659218e-03	6.005840e-04	NaN	1.00000000	0	0	0
## 1062	0.31944444	5.493482e-03	2.485175e-04	NaN	1.00000000	0	0	0
## 1063	0.36111111	5.074488e-03	3.244534e-04	NaN	1.00000000	0	0	0
## 1064	0.08333333	5.586592e-03	2.623241e-04	NaN	1.00000000	0	0	0
## 1065	0.08333333	6.610801e-03	2.209045e-04	NaN	1.00000000	1	0	0
## 1066	0.20833333	7.029795e-03	7.662624e-04	NaN	1.00000000	1	0	0
## 1067	0.30555556	7.262570e-03	2.243561e-03	NaN	1.00000000	0	0	1
## 1068	0.20833333	5.353818e-03	4.052216e-03	NaN	1.00000000	0	0	0
## 1069	0.72222222	4.795158e-03	4.901318e-04	NaN	1.00000000	0	0	0
## 1070	0.22222222	8.054004e-03	4.625187e-04	NaN	1.00000000	0	0	0
## 1071	0.94444444	6.750466e-03	3.382600e-04	NaN	1.00000000	0	0	0
## 1072	0.86111111	6.610801e-03	2.857952e-03	NaN	1.00000000	1	0	0
## 1073	0.87500000	6.610801e-03	5.522612e-04	NaN	1.00000000	0	1	0
## 1074	0.69444444	9.404097e-03	6.558101e-04	NaN	1.00000000	0	0	1
## 1075	0.15277778	5.167598e-03	2.761306e-04	NaN	1.00000000	0	0	0
## 1076	0.16666667	1.089385e-02	5.798742e-04	NaN	1.00000000	0	0	0
## 1077	0.09722222	7.914339e-03	2.347110e-04	NaN	1.00000000	0	0	0
## 1078	0.33333333	7.309125e-03	4.210991e-04	NaN	1.00000000	0	0	0
## 1079	0.61111111	7.495345e-03	3.727763e-04	NaN	1.00000000	1	0	0
## 1080	0.29166667	3.910615e-03	2.333303e-03	NaN	1.00000000	0	1	0
## 1081	0.33333333	1.019553e-02	3.244534e-04	NaN	1.00000000	0	0	1
## 1082	0.58333333	9.590317e-03	2.278077e-04	NaN	1.00000000	0	0	0
## 1083	0.88888889	9.357542e-03	4.418089e-04	NaN	1.00000000	0	0	0
## 1084	0.54166667	7.216015e-03	5.039383e-04	NaN	1.00000000	0	0	0
## 1085	0.58333333	7.309125e-03	2.001947e-04	NaN	1.00000000	0	0	0
## 1086	0.26388889	9.217877e-03	2.623241e-04	NaN	1.00000000	1	0	0
## 1087	0.75000000	8.938547e-03	6.005840e-04	NaN	1.00000000	0	1	0
## 1088	0.83333333	9.124767e-03	9.940701e-04	NaN	1.00000000	0	0	1
## 1089	0.76388889	1.066108e-02	4.694220e-04	NaN	1.00000000	0	0	0
## 1090	0.62500000	7.914339e-03	6.627134e-04	NaN	1.00000000	0	0	0
## 1091	0.27777778	9.031657e-03	2.761306e-04	NaN	1.00000000	0	0	0
## 1092	0.66666667	1.047486e-02	2.623241e-04	NaN	1.00000000	0	0	0
## 1093	0.29166667	1.108007e-02	7.731656e-04	NaN	1.00000000	1	0	0
## 1094	0.47222222	9.916201e-03	7.386493e-04	NaN	1.00000000	0	1	0
## 1095	0.37500000	7.169460e-03	2.899371e-04	NaN	1.00000000	0	0	1
## 1096	0.86111111	6.843575e-03	4.487122e-04	NaN	1.00000000	0	0	0
## 1097	0.69444444	6.983240e-03	3.589698e-04	NaN	1.00000000	0	0	0
## 1098	0.94444444	9.078212e-03	2.001947e-04	NaN	1.00000000	0	0	0
## 1099	0.77777778	9.776536e-03	3.175502e-04	NaN	1.00000000	0	0	0

## 1100	0.41666667	1.126629e-02	3.755376e-03	NaN	1.00000000	1	0	0
## 1101	0.02777778	8.426443e-03	2.070979e-04	NaN	1.00000000	0	1	0
## 1102	0.29166667	9.031657e-03	3.796796e-04	NaN	1.00000000	0	0	1
## 1103	0.30555556	7.774674e-03	3.589698e-04	NaN	0.73913043	0	0	0
## 1104	0.09722222	5.121043e-04	5.798742e-04	NaN	1.00000000	0	0	0
## 1105	0.66666667	6.517691e-04	0.000000e+00	NaN	1.00000000	0	1	0
## 1106	0.44444444	2.746741e-03	0.000000e+00	NaN	0.78260870	0	0	0
## 1107	0.79166667	0.000000e+00	9.422956e-03	NaN	1.00000000	0	0	0
## 1108	0.18055556	1.908752e-03	2.181432e-03	NaN	1.00000000	0	0	0
## 1109	0.65277778	2.793296e-03	5.115319e-03	NaN	1.00000000	0	0	0
## 1110	0.56944444	2.653631e-03	2.070979e-05	NaN	1.00000000	1	0	0
## 1111	0.70833333	1.163873e-03	8.283917e-05	NaN	1.00000000	0	0	0
## 1112	0.62500000	2.793296e-03	1.518718e-04	NaN	1.00000000	0	0	0
## 1113	0.02777778	3.072626e-03	1.587751e-04	NaN	1.00000000	0	0	0
## 1114	0.15277778	2.327747e-03	4.349057e-04	NaN	1.00000000	0	0	0
## 1115	0.84722222	2.281192e-03	2.492079e-03	NaN	1.00000000	0	0	0
## 1116	0.40277778	2.188082e-03	8.974244e-05	NaN	1.00000000	0	0	0
## 1117	0.56944444	1.070764e-03	2.692273e-04	NaN	1.00000000	0	0	0
## 1118	0.19444444	2.886406e-03	6.351003e-04	NaN	1.00000000	0	0	0
## 1119	0.02777778	2.886406e-03	1.428976e-03	NaN	1.00000000	0	0	0
## 1120	0.80555556	3.724395e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1121	0.58333333	3.072626e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1122	0.88888889	3.724395e-04	2.388530e-03	NaN	1.00000000	0	0	0
## 1123	0.63888889	2.374302e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1124	0.77777778	6.517691e-03	3.313567e-04	NaN	1.00000000	0	0	0
## 1125	0.01388889	2.234637e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 1126	0.09722222	2.001862e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1127	0.43055556	3.491620e-03	2.057173e-03	NaN	1.00000000	0	0	0
## 1128	0.27777778	3.258845e-03	5.729710e-04	NaN	1.00000000	0	0	0
## 1129	0.15277778	1.769088e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 1130	0.79166667	3.631285e-03	2.008850e-03	NaN	1.00000000	1	0	0
## 1131	0.63888889	3.631285e-03	5.308610e-03	NaN	1.00000000	1	0	0
## 1132	0.75000000	3.631285e-03	1.960527e-03	NaN	1.00000000	1	0	0
## 1133	0.23611111	2.327747e-03	1.863881e-04	NaN	1.00000000	1	0	0
## 1134	0.75000000	3.491620e-03	1.277104e-03	NaN	1.00000000	1	0	0
## 1135	0.40277778	3.538175e-03	5.867775e-04	NaN	1.00000000	1	0	0
## 1136	0.86111111	1.396648e-03	2.485175e-04	NaN	1.00000000	1	0	0
## 1137	0.93055556	3.631285e-03	2.554208e-03	NaN	1.00000000	0	1	0
## 1138	0.29166667	5.121043e-04	6.903265e-06	NaN	1.00000000	0	1	0
## 1139	0.95833333	4.655493e-04	0.000000e+00	NaN	1.00000000	0	1	0
## 1140	0.41666667	3.119181e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 1141	0.62500000	2.513966e-03	5.108416e-04	NaN	1.00000000	0	1	0
## 1142	0.72222222	4.934823e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 1143	0.09722222	3.724395e-03	6.420036e-04	NaN	1.00000000	0	1	0
## 1144	0.38888889	2.001862e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 1145	0.41666667	4.608939e-03	3.451632e-04	NaN	1.00000000	0	1	0
## 1146	0.86111111	3.305400e-03	1.277104e-03	NaN	1.00000000	0	1	0
## 1147	0.36111111	3.538175e-03	1.518718e-03	NaN	1.00000000	0	0	1
## 1148	0.59722222	2.513966e-03	7.144879e-03	NaN	1.00000000	0	0	1
## 1149	0.83333333	3.864060e-03	1.332330e-03	NaN	1.00000000	0	0	0

## 1150	0.06944444	3.817505e-03	5.177448e-04	NaN	1.00000000	0	0	0
## 1151	0.30555556	3.538175e-03	2.091689e-03	NaN	1.00000000	0	0	0
## 1152	0.65277778	2.001862e-03	1.857668e-02	NaN	1.00000000	0	0	0
## 1153	0.38888889	3.258845e-04	1.284007e-03	NaN	1.00000000	0	0	0
## 1154	0.40277778	4.702048e-03	3.244534e-04	NaN	1.00000000	0	0	0
## 1155	0.98611111	3.258845e-04	1.656783e-04	NaN	1.00000000	0	0	0
## 1156	0.20833333	1.024209e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1157	0.26388889	3.351955e-03	1.504912e-03	NaN	1.00000000	0	0	0
## 1158	0.81944444	1.070764e-03	7.800689e-04	NaN	1.00000000	0	0	0
## 1159	0.02777778	3.119181e-03	4.280024e-04	NaN	1.00000000	0	0	0
## 1160	0.55555556	3.119181e-03	1.304717e-03	NaN	1.00000000	0	0	0
## 1161	0.97222222	3.584730e-03	4.003893e-04	NaN	1.00000000	0	0	0
## 1162	0.09722222	9.310987e-04	4.418089e-04	NaN	1.00000000	0	0	0
## 1163	0.88888889	2.886406e-03	1.104522e-03	NaN	1.00000000	0	0	0
## 1164	0.45833333	6.657356e-03	4.280024e-04	NaN	1.00000000	1	0	0
## 1165	0.38888889	6.471136e-03	2.070979e-05	NaN	1.00000000	1	0	0
## 1166	0.81944444	3.491620e-03	8.421983e-04	NaN	1.00000000	1	0	0
## 1167	0.09722222	1.629423e-03	2.761306e-05	NaN	1.00000000	1	0	0
## 1168	1.00000000	8.379888e-04	2.554208e-04	NaN	1.00000000	1	0	0
## 1169	0.81944444	2.653631e-03	6.420036e-04	NaN	1.00000000	1	0	0
## 1170	0.90277778	2.560521e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 1171	0.47222222	7.914339e-04	2.070979e-05	NaN	1.00000000	0	1	0
## 1172	0.33333333	4.981378e-03	3.451632e-05	NaN	1.00000000	0	1	0
## 1173	0.70833333	1.908752e-03	1.518718e-04	NaN	1.00000000	0	1	0
## 1174	0.95833333	2.839851e-03	4.141959e-04	NaN	1.00000000	0	1	0
## 1175	0.87500000	2.420857e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 1176	0.50000000	3.305400e-03	1.380653e-05	NaN	1.00000000	0	1	0
## 1177	0.18055556	3.351955e-03	6.903265e-05	NaN	1.00000000	0	1	0
## 1178	0.84722222	3.538175e-03	4.418089e-04	NaN	1.00000000	0	1	0
## 1179	0.69444444	3.538175e-03	1.435879e-03	NaN	1.00000000	0	1	0
## 1180	0.58333333	2.374302e-03	1.208071e-03	NaN	1.00000000	0	1	0
## 1181	0.45833333	2.932961e-03	1.339233e-03	NaN	1.00000000	0	0	1
## 1182	0.58333333	4.096834e-03	1.380653e-05	NaN	1.00000000	0	0	1
## 1183	0.91666667	3.258845e-03	2.899371e-04	NaN	1.00000000	0	0	1
## 1184	0.23611111	2.467412e-03	1.346137e-03	NaN	1.00000000	0	0	1
## 1185	0.23611111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
## 1186	0.13888889	2.560521e-03	6.420036e-04	NaN	1.00000000	0	0	0
## 1187	0.13888889	2.513966e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 1188	0.01388889	3.584730e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1189	0.51388889	1.955307e-03	2.416143e-04	NaN	1.00000000	0	0	0
## 1190	0.30555556	1.443203e-03	5.626161e-03	NaN	1.00000000	0	0	0
## 1191	0.34722222	4.469274e-03	8.974244e-05	NaN	1.00000000	0	0	0
## 1192	0.25000000	2.374302e-03	2.022657e-03	NaN	1.00000000	0	0	0
## 1193	0.72222222	3.026071e-03	3.451632e-05	NaN	1.00000000	0	0	0
## 1194	0.36111111	2.560521e-03	7.593591e-05	NaN	1.00000000	0	0	0
## 1195	0.90277778	8.612663e-03	2.692273e-04	NaN	1.00000000	0	0	0
## 1196	0.76388889	3.910615e-03	8.974244e-04	NaN	1.00000000	0	0	0
## 1197	0.76388889	4.050279e-03	2.664660e-03	NaN	1.00000000	0	0	0
## 1198	0.77777778	2.560521e-03	6.972297e-04	NaN	1.00000000	0	0	0
## 1199	0.16666667	1.536313e-03	1.380653e-05	NaN	1.00000000	0	0	0

## 1200	0.80555556	2.188082e-03	1.477299e-03	NaN	1.00000000	0	0	0
## 1201	0.09722222	2.420857e-03	1.139039e-03	NaN	1.00000000	0	0	0
## 1202	0.36111111	4.189944e-03	4.280024e-04	NaN	1.00000000	0	0	0
## 1203	0.45833333	7.448790e-04	6.903265e-06	NaN	1.00000000	0	0	0
## 1204	0.16666667	4.655493e-04	1.007877e-03	NaN	1.00000000	1	0	0
## 1205	0.98611111	5.214153e-03	5.315514e-04	NaN	1.00000000	1	0	0
## 1206	0.98611111	4.143389e-03	7.317460e-04	NaN	1.00000000	1	0	0
## 1207	0.63888889	2.746741e-03	2.975307e-03	NaN	1.00000000	1	0	0
## 1208	0.19444444	1.955307e-03	9.664570e-05	NaN	1.00000000	1	0	0
## 1209	0.79166667	4.608939e-03	1.739623e-03	NaN	1.00000000	1	0	0
## 1210	0.91666667	3.864060e-03	6.558101e-04	NaN	1.00000000	1	0	0
## 1211	0.06944444	5.121043e-03	2.215948e-03	NaN	1.00000000	1	0	0
## 1212	0.95833333	2.932961e-03	6.903265e-06	NaN	1.00000000	1	0	0
## 1213	0.33333333	2.420857e-03	2.416143e-04	NaN	1.00000000	0	1	0
## 1214	0.31944444	4.655493e-04	1.380653e-05	NaN	1.00000000	0	1	0
## 1215	0.83333333	7.448790e-04	9.595538e-04	NaN	1.00000000	0	1	0
## 1216	0.73611111	2.607076e-03	7.731656e-04	NaN	1.00000000	0	1	0
## 1217	0.72222222	3.445065e-03	1.380653e-05	NaN	1.00000000	0	1	0
## 1218	0.80555556	2.886406e-03	6.903265e-06	NaN	1.00000000	0	1	0
## 1219	0.56944444	3.631285e-03	4.694220e-04	NaN	1.00000000	0	1	0
## 1220	0.20833333	2.932961e-03	2.899371e-04	NaN	1.00000000	0	1	0
## 1221	0.52777778	2.281192e-03	7.110362e-04	NaN	1.00000000	0	1	0
## 1222	0.36111111	5.121043e-04	0.000000e+00	NaN	1.00000000	0	0	1
## 1223	0.66666667	4.655493e-03	1.070006e-03	NaN	1.00000000	0	0	1
## 1224	0.29166667	1.443203e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 1225	0.98611111	2.793296e-03	8.283917e-05	NaN	1.00000000	0	0	1
## 1226	0.19444444	4.189944e-03	1.829365e-03	NaN	1.00000000	0	0	1
## 1227	0.25000000	1.973929e-02	7.524558e-04	NaN	1.00000000	0	0	0
## 1228	0.27777778	3.770950e-03	1.380653e-04	NaN	1.00000000	0	0	0
## 1229	0.48611111	3.584730e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 1230	0.91666667	1.117318e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1231	0.06944444	1.722533e-03	1.007877e-03	NaN	1.00000000	0	0	0
## 1232	0.84722222	2.467412e-03	2.381626e-03	NaN	1.00000000	0	0	0
## 1233	0.66666667	1.005587e-02	1.808655e-03	NaN	1.00000000	0	0	0
## 1234	0.47222222	1.396648e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1235	0.55555556	2.467412e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1236	0.41666667	3.864060e-03	1.242588e-04	NaN	1.00000000	0	0	0
## 1237	0.20833333	6.098696e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1238	0.22222222	6.890130e-03	1.449686e-04	NaN	1.00000000	0	0	0
## 1239	0.20833333	2.839851e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1240	0.08333333	2.513966e-03	1.173555e-03	NaN	1.00000000	0	0	0
## 1241	0.44444444	3.864060e-03	9.112309e-04	NaN	1.00000000	0	0	0
## 1242	0.58333333	3.677840e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1243	0.62500000	2.281192e-03	6.903265e-06	NaN	1.00000000	1	0	0
## 1244	0.97222222	4.003724e-03	6.903265e-06	NaN	1.00000000	1	0	0
## 1245	0.90277778	3.398510e-03	1.035490e-04	NaN	1.00000000	1	0	0
## 1246	0.08333333	4.236499e-03	1.567041e-03	NaN	1.00000000	1	0	0
## 1247	0.79166667	1.117318e-03	6.834232e-04	NaN	1.00000000	0	1	0
## 1248	0.70833333	1.769088e-03	2.070979e-04	NaN	1.00000000	0	1	0
## 1249	0.63888889	1.117318e-03	1.214975e-03	NaN	1.00000000	0	1	0

## 1250	0.01388889	5.586592e-04	3.292857e-03	NaN	1.00000000	0	1	0
## 1251	0.75000000	2.048417e-03	8.076820e-04	NaN	1.00000000	0	1	0
## 1252	0.45833333	3.258845e-03	1.242588e-04	NaN	1.00000000	0	0	1
## 1253	0.70833333	3.072626e-03	2.181432e-03	NaN	1.00000000	0	0	1
## 1254	0.09722222	1.675978e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1255	0.97222222	5.772812e-03	6.558101e-04	NaN	1.00000000	0	0	0
## 1256	0.01388889	1.494413e-02	4.418089e-04	NaN	1.00000000	0	0	0
## 1257	0.50000000	2.886406e-03	3.451632e-05	NaN	1.00000000	0	0	0
## 1258	0.65277778	4.050279e-03	2.899371e-04	NaN	1.00000000	0	0	0
## 1259	0.56944444	3.351955e-03	1.235684e-03	NaN	1.00000000	0	0	0
## 1260	0.62500000	3.817505e-03	1.284007e-03	NaN	1.00000000	0	0	0
## 1261	0.62500000	2.327747e-04	1.380653e-05	NaN	1.00000000	0	0	0
## 1262	0.84722222	2.886406e-03	1.449686e-04	NaN	1.00000000	0	0	0
## 1263	0.41666667	2.886406e-03	3.175502e-04	NaN	1.00000000	0	0	0
## 1264	0.25000000	2.653631e-03	2.416143e-04	NaN	1.00000000	0	0	0
## 1265	0.18055556	7.588454e-03	1.435879e-03	NaN	1.00000000	0	0	0
## 1266	0.11111111	4.515829e-03	1.007877e-03	NaN	1.00000000	0	0	0
## 1267	0.45833333	3.305400e-03	6.627134e-04	NaN	1.00000000	0	0	0
## 1268	0.58333333	2.839851e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 1269	0.36111111	4.981378e-03	1.863881e-04	NaN	1.00000000	0	0	0
## 1270	0.19444444	2.793296e-03	1.339233e-03	NaN	1.00000000	0	0	0
## 1271	0.30555556	2.793296e-03	8.836179e-04	NaN	1.00000000	0	0	0
## 1272	0.38888889	1.908752e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1273	0.55555556	5.167598e-03	1.560138e-03	NaN	1.00000000	0	0	0
## 1274	0.56944444	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
## 1275	0.29166667	0.000000e+00	1.725816e-04	NaN	1.00000000	1	0	0
## 1276	0.38888889	2.793296e-03	6.903265e-06	NaN	1.00000000	1	0	0
## 1277	0.29166667	2.281192e-03	6.903265e-06	NaN	1.00000000	1	0	0
## 1278	0.19444444	2.607076e-03	3.865828e-04	NaN	1.00000000	1	0	0
## 1279	0.63888889	2.420857e-03	2.278077e-04	NaN	1.00000000	1	0	0
## 1280	0.41666667	2.560521e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 1281	0.76388889	3.398510e-03	1.649880e-03	NaN	1.00000000	0	1	0
## 1282	0.83333333	1.862197e-03	1.919108e-03	NaN	0.30434783	0	0	1
## 1283	0.77777778	9.264432e-03	6.005840e-04	NaN	1.00000000	0	0	0
## 1284	0.87500000	2.527933e-02	1.242588e-04	NaN	1.00000000	0	0	0
## 1285	0.76388889	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
## 1286	0.56944444	1.108007e-02	7.593591e-05	NaN	1.00000000	0	0	0
## 1287	0.98611111	7.867784e-03	1.035490e-04	NaN	1.00000000	0	0	0
## 1288	0.66666667	6.238361e-03	1.035490e-04	NaN	1.00000000	0	0	0
## 1289	0.65277778	1.717877e-02	2.070979e-05	NaN	1.00000000	0	0	0
## 1290	0.75000000	1.973929e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 1291	0.79166667	1.457169e-02	6.903265e-06	NaN	1.00000000	1	0	0
## 1292	0.44444444	2.094972e-02	1.380653e-05	NaN	1.00000000	0	1	0
## 1293	0.25000000	2.518622e-02	1.656783e-04	NaN	1.00000000	0	1	0
## 1294	0.08333333	2.886406e-02	2.740596e-03	NaN	1.00000000	0	0	1
## 1295	0.43055556	1.745810e-02	2.070979e-05	NaN	1.00000000	0	0	1
## 1296	0.13888889	2.039106e-02	1.380653e-05	NaN	1.00000000	0	0	1
## 1297	0.15277778	4.143389e-03	1.449686e-04	NaN	1.00000000	0	0	0
## 1298	0.00000000	8.519553e-03	1.242588e-04	NaN	1.00000000	0	0	0
## 1299	0.69444444	2.984171e-02	5.108416e-04	NaN	1.00000000	0	0	0

## 1300	0.18055556	3.938547e-02	4.210991e-04	NaN	1.00000000	0	0	0
## 1301	0.38888889	3.156425e-02	1.104522e-04	NaN	1.00000000	0	0	0
## 1302	0.05555556	1.801676e-02	1.380653e-05	NaN	1.00000000	0	0	0
## 1303	0.63888889	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
## 1304	0.47222222	7.402235e-03	1.587751e-04	NaN	1.00000000	0	0	0
## 1305	0.13888889	7.402235e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 1306	0.40277778	1.289572e-02	3.934861e-04	NaN	1.00000000	1	0	0
## 1307	0.34722222	1.354749e-02	2.899371e-04	NaN	1.00000000	1	0	0
## 1308	0.47222222	2.108939e-02	1.242588e-04	NaN	1.00000000	0	1	0
## 1309	0.63888889	1.662011e-02	6.903265e-05	NaN	1.00000000	0	1	0
## 1310	0.30555556	2.951583e-02	6.903265e-05	NaN	1.00000000	0	0	1
## 1311	0.88888889	1.229050e-02	0.000000e+00	NaN	0.13043478	0	0	1
## 1312	0.44444444	8.472998e-03	2.692273e-04	NaN	1.00000000	0	0	1
## 1313	0.25000000	1.410615e-02	2.692273e-04	NaN	1.00000000	0	0	1
## 1314	0.54166667	9.776536e-03	1.380653e-04	NaN	0.78260870	0	0	0
## 1315	0.25000000	2.127561e-02	7.041330e-04	NaN	1.00000000	0	0	0
## 1316	0.11111111	5.027933e-03	3.299760e-03	NaN	1.00000000	0	0	0
## 1317	0.38888889	2.621043e-02	1.380653e-05	NaN	0.56521739	0	0	0
## 1318	0.34722222	3.631285e-03	6.005840e-04	NaN	1.00000000	0	0	0
## 1319	0.22222222	4.096834e-03	1.235684e-03	NaN	1.00000000	1	0	0
## 1320	0.93055556	2.513966e-03	8.836179e-04	NaN	1.00000000	0	1	0
## 1321	0.11111111	3.677840e-03	1.311620e-03	NaN	1.00000000	0	0	1
## 1322	0.29166667	2.746741e-03	6.558101e-04	NaN	1.00000000	0	0	0
## 1323	0.58333333	3.212291e-03	5.936808e-04	NaN	1.00000000	0	0	0
## 1324	0.55555556	2.746741e-03	1.173555e-03	NaN	1.00000000	0	0	0
## 1325	0.05555556	3.724395e-03	1.180458e-03	NaN	1.00000000	1	0	0
## 1326	0.88888889	2.267225e-02	0.000000e+00	NaN	1.00000000	0	0	1
## 1327	0.75000000	5.446927e-03	6.765199e-04	NaN	1.00000000	0	0	1
## 1328	0.33333333	3.491620e-03	5.660677e-04	NaN	1.00000000	0	0	0
## 1329	0.22222222	3.770950e-03	3.313567e-04	NaN	1.00000000	0	0	0
## 1330	0.45833333	3.258845e-03	7.386493e-04	NaN	1.00000000	0	0	0
## 1331	0.61111111	2.560521e-03	9.043277e-04	NaN	1.00000000	0	0	0
## 1332	0.01388889	4.981378e-03	5.315514e-04	NaN	1.00000000	1	0	0
## 1333	0.25000000	2.886406e-03	4.970350e-04	NaN	1.00000000	0	1	0
## 1334	0.56944444	2.886406e-03	4.280024e-04	NaN	0.95652174	0	0	1
## 1335	0.09722222	2.979516e-03	1.021683e-03	NaN	1.00000000	0	0	0
## 1336	0.62500000	5.493482e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1337	0.80555556	6.191806e-03	2.761306e-04	NaN	1.00000000	0	0	1
## 1338	0.40277778	2.327747e-03	1.587751e-04	NaN	1.00000000	0	0	0
## 1339	0.86111111	1.210428e-03	1.380653e-04	NaN	1.00000000	0	0	0
## 1340	0.50000000	3.864060e-03	1.346137e-03	NaN	1.00000000	0	1	0
## 1341	0.00000000	3.910615e-03	8.352950e-04	NaN	1.00000000	0	1	0
## 1342	0.29166667	6.610801e-03	1.049296e-03	NaN	1.00000000	0	0	1
## 1343	0.87500000	6.890130e-03	7.524558e-04	NaN	1.00000000	0	0	0
## 1344	0.75000000	3.677840e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 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
## 1349	0.76388889	7.960894e-03	3.175502e-04	NaN	1.00000000	0	0	0

## 1350	0.72222222	5.260708e-03	2.623241e-04	NaN	1.00000000	0	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	0	0	1
## 1353	0.84722222	6.610801e-03	5.729710e-04	NaN	1.00000000	0	1	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	0	0	0
## 1360	0.30555556	6.378026e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1361	0.55555556	8.752328e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1362	0.55555556	1.163873e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 1363	0.69444444	5.027933e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 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	0	1
## 1366	0.47222222	7.076350e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1367	0.79166667	3.724395e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1368	0.06944444	6.983240e-04	0.000000e+00	NaN	1.00000000	0	0	0
## 1369	0.62500000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	1
## 1370	0.80555556	2.420857e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1371	0.50000000	2.281192e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1372	0.91666667	4.003724e-03	2.153819e-03	NaN	1.00000000	1	0	0
## 1373	0.45833333	3.677840e-03	2.857952e-03	NaN	1.00000000	1	0	0
## 1374	0.36111111	2.094972e-03	5.543321e-03	NaN	1.00000000	0	1	0
## 1375	0.25000000	5.679702e-03	1.373750e-03	NaN	1.00000000	0	0	1
## 1376	0.09722222	0.000000e+00	2.070979e-05	NaN	1.00000000	0	0	1
## 1377	0.33333333	5.027933e-03	4.017700e-03	NaN	0.82608696	0	0	0
## 1378	0.06944444	3.351955e-03	1.311620e-04	NaN	1.00000000	0	0	0
## 1379	0.62500000	2.839851e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1380	0.90277778	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
## 1381	0.16666667	3.491620e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 1382	0.83333333	2.607076e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1383	0.69444444	1.433892e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 1384	0.37500000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
## 1385	0.22222222	6.378026e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1386	0.20833333	1.163873e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 1387	0.94444444	6.052142e-04	0.000000e+00	NaN	1.00000000	0	0	0
## 1388	0.43055556	3.631285e-03	1.242588e-04	NaN	1.00000000	0	1	0
## 1389	0.20833333	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
## 1390	0.38888889	4.702048e-03	4.832285e-05	NaN	1.00000000	0	0	0
## 1391	0.72222222	5.586592e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1392	0.43055556	1.229050e-02	2.070979e-05	NaN	1.00000000	0	0	0
## 1393	0.68055556	2.374302e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1394	0.40277778	1.466480e-02	1.104522e-04	NaN	1.00000000	1	0	0
## 1395	0.04166667	1.671322e-02	6.903265e-06	NaN	1.00000000	0	0	0
## 1396	0.90277778	3.026071e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 1397	0.70833333	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	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	0	0

## 1400	0.30555556	5.121043e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 1401	0.62500000	7.216015e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1402	0.11111111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	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
## 1406	0.87500000	9.227188e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 1407	0.00000000	3.584730e-03	3.520665e-04	NaN	1.00000000	0	0	0
## 1408	0.22222222	2.001862e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1409	0.91666667	3.910615e-03	6.903265e-06	NaN	1.00000000	1	0	0
## 1410	0.08333333	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
## 1411	1.00000000	6.284916e-03	2.761306e-05	NaN	1.00000000	0	0	0
## 1412	0.27777778	1.163873e-03	5.522612e-05	NaN	1.00000000	0	0	0
## 1413	0.48611111	6.936685e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1414	0.19444444	3.864060e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1415	0.30555556	2.513966e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1416	0.87500000	2.979516e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1417	0.50000000	1.014898e-02	1.380653e-05	NaN	1.00000000	0	0	1
## 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	0	1
## 1423	0.58333333	1.494413e-02	9.664570e-05	NaN	1.00000000	0	0	0
## 1424	0.41666667	1.275605e-02	8.283917e-05	NaN	1.00000000	0	0	0
## 1425	0.48611111	1.275605e-02	6.903265e-05	NaN	1.00000000	0	0	0
## 1426	0.83333333	3.165736e-03	2.070979e-05	NaN	1.00000000	1	0	0
## 1427	0.12500000	2.746741e-03	1.380653e-05	NaN	1.00000000	0	1	0
## 1428	0.43055556	5.772812e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1429	0.11111111	1.210428e-02	0.000000e+00	NaN	1.00000000	1	0	0
## 1430	0.13888889	0.000000e+00	6.903265e-06	NaN	1.00000000	1	0	0
## 1431	0.56944444	4.469274e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1432	0.54166667	8.286778e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 1433	0.20833333	3.957169e-03	4.507832e-03	NaN	1.00000000	0	0	0
## 1434	0.93055556	6.331471e-03	1.926011e-03	NaN	1.00000000	0	0	0
## 1435	0.04166667	3.584730e-03	5.025577e-03	NaN	1.00000000	0	0	0
## 1436	0.33333333	1.908752e-03	7.338170e-03	NaN	1.00000000	0	0	0
## 1437	0.25000000	6.005587e-03	2.126205e-03	NaN	1.00000000	0	0	0
## 1438	0.34722222	7.774674e-03	1.801752e-03	NaN	1.00000000	0	0	0
## 1439	0.68055556	2.607076e-03	1.400672e-02	NaN	1.00000000	0	0	0
## 1440	0.86111111	4.795158e-03	6.088679e-03	NaN	1.00000000	1	0	0
## 1441	0.66666667	2.932961e-03	1.995043e-03	NaN	1.00000000	0	1	0
## 1442	0.06944444	7.216015e-03	5.274094e-03	NaN	1.00000000	0	1	0
## 1443	0.68055556	1.145251e-02	2.416143e-04	NaN	1.00000000	0	0	1
## 1444	0.58333333	7.774674e-03	5.681387e-03	NaN	1.00000000	0	0	1
## 1445	0.63888889	4.795158e-03	1.449686e-04	NaN	1.00000000	0	0	1
## 1446	0.54166667	4.702048e-03	3.437826e-03	NaN	1.00000000	0	0	0
## 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	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
## 1453	0.15277778	2.839851e-03	4.355960e-03	NaN	1.00000000	0	0	0
## 1454	0.75000000	2.094972e-03	7.476236e-03	NaN	1.00000000	0	0	0
## 1455	0.34722222	4.515829e-03	1.449686e-04	NaN	1.00000000	0	1	0
## 1456	0.02777778	7.635009e-03	4.487122e-04	NaN	1.00000000	0	1	0
## 1457	0.41666667	3.677840e-03	2.568705e-02	NaN	1.00000000	0	1	0
## 1458	0.20833333	5.819367e-03	4.970350e-03	NaN	1.00000000	0	0	1
## 1459	0.86111111	5.726257e-03	7.427913e-03	NaN	1.00000000	0	0	1
## 1460	0.41666667	8.240223e-03	2.737835e-02	NaN	1.00000000	0	0	0
## 1461	0.00000000	6.424581e-03	1.725816e-03	NaN	1.00000000	0	0	0
## 1462	0.38888889	9.776536e-03	1.203239e-02	NaN	1.00000000	0	1	0
## 1463	1.00000000	1.503724e-02	1.504912e-03	NaN	1.00000000	0	1	0
## 1464	0.48611111	2.048417e-03	5.004867e-03	NaN	1.00000000	0	0	1
## 1465	0.11111111	6.145251e-03	1.311620e-04	NaN	1.00000000	0	0	0
## 1466	0.69444444	7.448790e-03	3.313567e-04	NaN	1.00000000	0	0	0
## 1467	0.56944444	1.350093e-03	2.064766e-02	NaN	1.00000000	0	0	0
## 1468	0.00000000	1.163873e-03	3.886538e-03	NaN	1.00000000	0	0	0
## 1469	0.70833333	1.797020e-02	5.467386e-03	NaN	1.00000000	1	0	0
## 1470	0.08333333	4.283054e-03	2.144844e-02	NaN	1.00000000	0	0	0
## 1471	0.22222222	6.005587e-03	8.698113e-04	NaN	1.00000000	0	0	0
## 1472	0.41666667	5.400372e-03	4.970350e-04	NaN	0.43478261	0	0	0
## 1473	0.40277778	4.562384e-03	2.692273e-04	NaN	1.00000000	1	0	0
## 1474	0.81944444	8.938547e-03	3.727763e-04	NaN	1.00000000	1	0	0
## 1475	0.25000000	2.737430e-02	3.727763e-04	NaN	1.00000000	0	1	0
## 1476	0.01388889	1.262104e-01	7.110362e-04	NaN	1.00000000	0	1	0
## 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	0	0	1
## 1480	0.48611111	3.128492e-02	5.108416e-04	NaN	1.00000000	0	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	1	0	0
## 1483	0.68055556	1.606145e-02	4.418089e-04	NaN	1.00000000	0	1	0
## 1484	0.04166667	8.333333e-03	7.110362e-04	NaN	1.00000000	0	1	0
## 1485	0.70833333	5.679702e-03	8.974244e-04	NaN	1.00000000	0	0	0
## 1486	0.27777778	1.801676e-02	3.520665e-04	NaN	1.00000000	0	0	0
## 1487	0.27777778	1.959963e-02	2.485175e-04	NaN	1.00000000	0	0	0
## 1488	0.06944444	6.750466e-02	6.558101e-04	NaN	1.00000000	0	1	0
## 1489	0.02777778	1.080074e-02	4.625187e-04	NaN	1.00000000	0	0	0
## 1490	0.52777778	1.373371e-02	3.037436e-04	NaN	1.00000000	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
## 1493	0.70833333	1.485102e-02	6.696167e-04	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	0	1	0

## 1500	0.27777778	1.350093e-03	1.014780e-03	NaN	1.00000000	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
## 1514	0.36111111	3.817505e-03	3.727763e-04	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	0	0	0
## 1517	0.93055556	4.003724e-03	1.608461e-03	NaN	1.00000000	0	0	0
## 1518	0.52777778	4.608939e-03	5.432869e-03	NaN	1.00000000	0	0	0
## 1519	0.66666667	3.398510e-03	1.870785e-03	NaN	1.00000000	0	0	0
## 1520	0.54166667	7.029795e-03	2.830338e-04	NaN	1.00000000	0	0	0
## 1521	0.73611111	5.121043e-03	1.656783e-03	NaN	1.00000000	0	0	0
## 1522	0.77777778	6.657356e-03	9.733603e-04	NaN	1.00000000	0	0	0
## 1523	0.63888889	7.355680e-03	5.087706e-03	NaN	1.00000000	0	0	0
## 1524	0.33333333	5.493482e-03	7.593591e-04	NaN	1.00000000	0	0	0
## 1525	0.04166667	1.443203e-03	3.310115e-02	NaN	1.00000000	0	0	0
## 1526	1.00000000	7.681564e-03	1.946721e-03	NaN	1.00000000	0	0	0
## 1527	0.73611111	4.329609e-03	4.418089e-04	NaN	1.00000000	0	0	0
## 1528	0.48611111	3.817505e-03	3.147889e-03	NaN	1.00000000	0	0	0
## 1529	0.47222222	5.307263e-03	6.406230e-03	NaN	1.00000000	0	0	0
## 1530	0.77777778	3.491620e-03	2.001947e-03	NaN	1.00000000	0	0	0
## 1531	0.22222222	4.748603e-03	5.867775e-04	NaN	1.00000000	0	0	0
## 1532	0.81944444	7.309125e-03	1.553235e-03	NaN	1.00000000	0	0	0
## 1533	0.22222222	2.188082e-03	1.148703e-02	NaN	1.00000000	1	0	0
## 1534	0.55555556	8.007449e-03	4.473315e-03	NaN	1.00000000	1	0	0
## 1535	0.59722222	3.212291e-03	1.162510e-02	NaN	1.00000000	1	0	0
## 1536	0.13888889	5.586592e-03	8.201078e-03	NaN	1.00000000	1	0	0
## 1537	0.76388889	4.888268e-03	2.642570e-02	NaN	1.00000000	1	0	0
## 1538	0.05555556	3.491620e-03	2.305690e-03	NaN	1.00000000	1	0	0
## 1539	0.65277778	4.143389e-03	2.278077e-03	NaN	1.00000000	1	0	0
## 1540	0.94444444	7.262570e-03	1.387556e-03	NaN	1.00000000	1	0	0
## 1541	0.95833333	1.238361e-02	5.149835e-02	NaN	1.00000000	0	1	0
## 1542	0.69444444	5.167598e-03	8.014690e-03	NaN	1.00000000	0	1	0
## 1543	0.40277778	4.515829e-03	1.926011e-03	NaN	1.00000000	0	1	0
## 1544	0.84722222	2.700186e-03	7.317460e-04	NaN	1.00000000	0	1	0
## 1545	0.94444444	3.538175e-03	1.063103e-03	NaN	1.00000000	0	1	0
## 1546	0.94444444	9.264432e-03	5.384546e-04	NaN	1.00000000	0	1	0
## 1547	0.63888889	6.936685e-03	2.609434e-03	NaN	1.00000000	0	1	0
## 1548	0.51388889	4.096834e-03	3.037436e-04	NaN	1.00000000	0	0	1
## 1549	0.52777778	4.841713e-03	2.885565e-03	NaN	1.00000000	0	0	1

## 1550	0.81944444	3.119181e-03	8.366757e-03	NaN	1.00000000	0	0	1
## 1551	0.30555556	8.426443e-03	7.717850e-03	NaN	1.00000000	0	0	1
## 1552	0.13888889	4.096834e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 1553	0.73611111	7.635009e-03	1.662996e-02	NaN	1.00000000	0	0	0
## 1554	0.54166667	4.981378e-03	5.398353e-03	NaN	1.00000000	0	0	0
## 1555	0.16666667	6.191806e-03	1.311620e-03	NaN	1.00000000	0	0	0
## 1556	0.01388889	6.284916e-03	2.526595e-03	NaN	1.00000000	0	0	0
## 1557	0.06944444	2.979516e-03	1.215665e-02	NaN	1.00000000	0	0	0
## 1558	0.98611111	4.515829e-03	1.194265e-03	NaN	1.00000000	0	0	0
## 1559	0.29166667	4.283054e-03	9.733603e-04	NaN	1.00000000	0	0	0
## 1560	0.06944444	6.703911e-03	1.118329e-03	NaN	1.00000000	0	0	0
## 1561	0.40277778	6.843575e-03	5.232675e-03	NaN	1.00000000	0	0	0
## 1562	0.33333333	6.145251e-03	7.386493e-04	NaN	1.00000000	0	0	0
## 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	0	0	0
## 1565	0.31944444	5.493482e-03	8.905211e-04	NaN	1.00000000	0	0	0
## 1566	0.29166667	5.027933e-03	2.174528e-03	NaN	1.00000000	0	0	0
## 1567	0.20833333	5.726257e-03	8.912115e-03	NaN	1.00000000	0	0	0
## 1568	0.25000000	5.074488e-03	4.335250e-03	NaN	1.00000000	0	0	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	0	0	0
## 1571	0.15277778	6.284916e-03	1.000973e-03	NaN	1.00000000	0	0	0
## 1572	0.41666667	4.841713e-03	8.629081e-04	NaN	1.00000000	1	0	0
## 1573	0.75000000	3.724395e-03	4.763253e-04	NaN	1.00000000	1	0	0
## 1574	0.61111111	6.703911e-03	1.118329e-03	NaN	1.00000000	1	0	0
## 1575	0.50000000	3.631285e-03	7.662624e-04	NaN	1.00000000	0	1	0
## 1576	0.86111111	7.774674e-03	1.097619e-03	NaN	1.00000000	0	1	0
## 1577	0.34722222	7.216015e-03	3.748473e-03	NaN	1.00000000	0	0	1
## 1578	0.11111111	5.121043e-03	4.901318e-04	NaN	1.00000000	0	0	1
## 1579	0.61111111	5.586592e-03	9.457472e-04	NaN	0.82608696	0	0	1
## 1580	0.13888889	3.584730e-03	7.110362e-04	NaN	1.00000000	0	0	0
## 1581	0.30555556	5.027933e-03	2.485175e-04	NaN	0.78260870	0	0	0
## 1582	0.40277778	6.610801e-03	1.601557e-03	NaN	0.39130435	0	0	0
## 1583	0.23611111	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
## 1584	0.98611111	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	1
## 1585	0.37500000	2.560521e-03	7.593591e-04	NaN	1.00000000	1	0	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
## 1592	0.79166667	0.000000e+00	1.173555e-04	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	0	0	1
## 1599	0.38888889	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	1

## 1600	0.22222222	0.000000e+00	1.656783e-04	NaN	1.00000000	0	0	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	0	0	0
## 1603	0.94444444	0.000000e+00	8.974244e-05	NaN	1.00000000	0	0	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	0	0	0
## 1607	0.36111111	0.000000e+00	1.587751e-04	NaN	1.00000000	0	0	0
## 1608	0.81944444	0.000000e+00	1.063103e-03	NaN	1.00000000	0	0	0
## 1609	0.87500000	0.000000e+00	2.070979e-05	NaN	1.00000000	0	1	0
## 1610	0.52777778	0.000000e+00	1.725816e-04	NaN	1.00000000	0	0	1
## 1611	0.95833333	0.000000e+00	2.416143e-04	NaN	1.00000000	0	0	1
## 1612	0.41666667	0.000000e+00	1.173555e-04	NaN	1.00000000	0	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	0.77777778	0.000000e+00	1.656783e-04	NaN	1.00000000	0	0	0
## 1616	0.51388889	0.000000e+00	8.283917e-05	NaN	1.00000000	0	0	0
## 1617	0.56944444	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	1
## 1618	0.29166667	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
## 1619	0.19444444	0.000000e+00	0.000000e+00	NaN	1.00000000	0	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	0	0	0
## 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	0
## 1625	0.04166667	0.000000e+00	2.761306e-05	NaN	1.00000000	0	0	0
## 1626	0.04166667	0.000000e+00	2.140012e-04	NaN	1.00000000	0	0	1
## 1627	0.22222222	1.210428e-02	3.058146e-03	NaN	1.00000000	0	0	0
## 1628	0.73611111	7.402235e-03	6.903265e-06	NaN	1.00000000	0	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	0	0
## 1634	0.59722222	0.000000e+00	1.932914e-04	NaN	1.00000000	0	0	0
## 1635	0.19444444	0.000000e+00	3.927958e-03	NaN	1.00000000	0	0	0
## 1636	0.41666667	3.165736e-03	1.104522e-04	NaN	1.00000000	1	0	0
## 1637	0.93055556	1.177840e-02	1.380653e-05	NaN	1.00000000	1	0	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	0	1
## 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
## 1643	0.56944444	1.145251e-02	1.380653e-05	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	0
## 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

## 1650	0.34722222	4.236499e-03	1.863881e-04	NaN	1.00000000	0	0	1
## 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
## 1653	0.25000000	9.310987e-04	6.903265e-06	NaN	1.00000000	0	0	0
## 1654	0.22222222	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	0	0	0
## 1657	0.98611111	2.513966e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1658	0.87500000	1.084730e-02	1.380653e-05	NaN	1.00000000	0	0	0
## 1659	0.51388889	1.294227e-02	4.141959e-05	NaN	1.00000000	1	0	0
## 1660	0.00000000	2.094972e-03	6.903265e-06	NaN	1.00000000	0	1	0
## 1661	0.23611111	1.731844e-02	2.761306e-05	NaN	1.00000000	0	1	0
## 1662	0.63888889	4.655493e-03	0.000000e+00	NaN	1.00000000	0	1	0
## 1663	0.79166667	9.823091e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 1664	0.36111111	1.256983e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1665	0.62500000	9.590317e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1666	0.48611111	1.103352e-02	1.380653e-05	NaN	1.00000000	0	0	0
## 1667	0.01388889	7.355680e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1668	0.75000000	1.270950e-02	2.070979e-05	NaN	1.00000000	0	0	0
## 1669	0.26388889	1.256983e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1670	0.43055556	6.936685e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1671	0.88888889	1.303538e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 1672	0.91666667	2.932961e-03	1.380653e-05	NaN	1.00000000	1	0	0
## 1673	0.55555556	1.005587e-02	6.903265e-06	NaN	1.00000000	0	1	0
## 1674	0.20833333	9.776536e-04	0.000000e+00	NaN	1.00000000	0	0	1
## 1675	0.94444444	2.374302e-03	6.903265e-06	NaN	1.00000000	0	0	1
## 1676	0.73611111	1.042831e-02	6.903265e-06	NaN	1.00000000	0	0	0
## 1677	0.94444444	7.588454e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1678	0.20833333	1.256983e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 1679	0.70833333	1.443203e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1680	0.93055556	7.169460e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1681	0.08333333	7.821229e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1682	0.01388889	1.033520e-02	6.903265e-06	NaN	1.00000000	0	0	0
## 1683	0.54166667	1.815642e-03	1.794849e-04	NaN	1.00000000	0	0	0
## 1684	0.37500000	5.726257e-03	1.380653e-05	NaN	1.00000000	1	0	0
## 1685	0.15277778	7.960894e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 1686	0.88888889	4.795158e-03	3.451632e-05	NaN	1.00000000	0	1	0
## 1687	0.77777778	4.655493e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 1688	0.26388889	1.689944e-02	2.761306e-05	NaN	1.00000000	0	0	1
## 1689	1.00000000	9.124767e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1690	0.90277778	1.191806e-02	2.761306e-05	NaN	1.00000000	0	0	0
## 1691	0.95833333	1.256983e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1692	0.66666667	1.005587e-02	2.761306e-05	NaN	1.00000000	0	0	0
## 1693	0.05555556	1.536313e-03	2.761306e-05	NaN	1.00000000	0	0	0
## 1694	0.86111111	7.402235e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1695	0.15277778	4.562384e-03	6.903265e-05	NaN	1.00000000	0	0	0
## 1696	0.11111111	1.443203e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1697	0.97222222	6.378026e-03	2.761306e-05	NaN	1.00000000	1	0	0
## 1698	0.77777778	3.305400e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 1699	0.23611111	3.957169e-03	8.974244e-05	NaN	1.00000000	0	1	0

## 1700	0.62500000	7.122905e-03	2.761306e-05	NaN	1.00000000	0	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
## 1703	0.61111111	3.212291e-03	6.903265e-06	NaN	1.00000000	0	0	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	0	0	0
## 1708	0.77777778	1.066108e-02	1.380653e-05	NaN	1.00000000	0	0	0
## 1709	0.61111111	5.214153e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1710	0.50000000	9.823091e-03	6.903265e-06	NaN	1.00000000	1	0	0
## 1711	0.23611111	2.793296e-03	1.380653e-05	NaN	1.00000000	1	0	0
## 1712	0.70833333	1.103352e-02	6.903265e-06	NaN	1.00000000	0	1	0
## 1713	0.22222222	4.003724e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 1714	0.63888889	1.056797e-02	6.903265e-06	NaN	1.00000000	0	0	1
## 1715	0.68055556	7.076350e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1716	0.45833333	1.615456e-02	3.451632e-05	NaN	1.00000000	0	0	0
## 1717	0.75000000	3.305400e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1718	0.18055556	9.683426e-03	2.070979e-05	NaN	1.00000000	0	0	0
## 1719	0.38888889	1.121974e-02	2.070979e-05	NaN	1.00000000	0	0	0
## 1720	0.55555556	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	1	0	0
## 1724	0.90277778	9.776536e-04	1.380653e-05	NaN	1.00000000	1	0	0
## 1725	0.88888889	5.586592e-03	2.070979e-05	NaN	1.00000000	0	1	0
## 1726	0.94444444	8.845438e-04	8.283917e-05	NaN	1.00000000	0	1	0
## 1727	0.84722222	1.908752e-03	3.451632e-05	NaN	1.00000000	0	0	1
## 1728	0.33333333	3.026071e-03	1.380653e-05	NaN	1.00000000	0	0	1
## 1729	0.43055556	3.724395e-03	1.725816e-04	NaN	1.00000000	0	0	0
## 1730	0.87500000	1.219739e-02	2.761306e-05	NaN	1.00000000	0	0	0
## 1731	0.58333333	3.677840e-03	1.242588e-04	NaN	1.00000000	0	0	0
## 1732	0.05555556	1.945996e-02	6.903265e-06	NaN	1.00000000	0	0	0
## 1733	0.90277778	3.957169e-03	3.451632e-05	NaN	1.00000000	0	0	0
## 1734	0.76388889	6.983240e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1735	0.81944444	7.076350e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1736	0.98611111	8.845438e-04	1.380653e-05	NaN	1.00000000	0	0	0
## 1737	0.41666667	7.914339e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 1738	0.65277778	2.001862e-03	1.656783e-04	NaN	1.00000000	1	0	0
## 1739	0.80555556	8.240223e-03	6.903265e-06	NaN	1.00000000	0	1	0
## 1740	0.86111111	1.629423e-02	2.070979e-05	NaN	1.00000000	0	1	0
## 1741	0.50000000	8.566108e-03	1.380653e-05	NaN	1.00000000	0	1	0
## 1742	0.15277778	1.084730e-02	0.000000e+00	NaN	1.00000000	0	0	1
## 1743	0.41666667	5.493482e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 1744	0.69444444	2.234637e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1745	0.33333333	5.307263e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1746	0.00000000	1.117318e-02	6.903265e-06	NaN	1.00000000	0	0	0
## 1747	0.25000000	8.659218e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1748	0.31944444	8.845438e-04	6.903265e-06	NaN	1.00000000	0	0	0
## 1749	0.00000000	6.983240e-03	3.451632e-05	NaN	1.00000000	0	0	0

## 1750	0.83333333	1.703911e-02	2.070979e-05	NaN	1.00000000	0	0	0
## 1751	0.27777778	6.378026e-03	3.451632e-05	NaN	1.00000000	0	0	0
## 1752	0.16666667	9.776536e-04	6.903265e-06	NaN	1.00000000	0	0	0
## 1753	0.11111111	8.286778e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1754	0.83333333	1.443203e-03	7.593591e-05	NaN	1.00000000	0	1	0
## 1755	0.68055556	1.480447e-02	6.903265e-06	NaN	1.00000000	0	1	0
## 1756	0.48611111	1.070764e-02	1.380653e-05	NaN	1.00000000	0	0	1
## 1757	0.68055556	1.056797e-02	1.380653e-05	NaN	1.00000000	0	0	1
## 1758	0.59722222	1.070764e-02	2.070979e-05	NaN	1.00000000	0	0	0
## 1759	0.62500000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
## 1760	0.73611111	2.234637e-03	3.451632e-05	NaN	1.00000000	0	0	0
## 1761	0.77777778	1.210428e-02	2.070979e-05	NaN	1.00000000	0	0	0
## 1762	0.81944444	2.700186e-03	1.035490e-04	NaN	1.00000000	0	0	0
## 1763	0.02777778	1.396648e-03	2.761306e-05	NaN	1.00000000	0	0	0
## 1764	0.55555556	2.932961e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1765	0.83333333	1.303538e-03	6.903265e-06	NaN	1.00000000	0	0	0
## 1766	0.84722222	1.014898e-02	2.761306e-05	NaN	1.00000000	1	0	0
## 1767	0.13888889	2.048417e-03	2.070979e-05	NaN	1.00000000	0	1	0
## 1768	0.19444444	2.839851e-03	2.761306e-05	NaN	1.00000000	0	1	0
## 1769	0.09722222	1.159218e-02	2.070979e-05	NaN	1.00000000	0	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	NaN	1.00000000	0	0	0
## 1775	0.25000000	3.724395e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1776	0.36111111	3.212291e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1777	0.56944444	2.281192e-03	3.451632e-05	NaN	1.00000000	0	0	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	1	0	0
## 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	1	0
## 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	0	0	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	0	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	1	0	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
## 1799	0.65277778	3.957169e-03	1.380653e-05	NaN	1.00000000	0	0	0

## 1800	0.08333333	3.305400e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1801	0.05555556	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	0.22222222	4.888268e-03	1.380653e-05	NaN	1.00000000	0	1	0
## 1804	0.44444444	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	0	0	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	0	0	0
## 1816	0.08333333	1.075419e-02	1.380653e-05	NaN	1.00000000	1	0	0
## 1817	0.51388889	1.010242e-02	2.761306e-05	NaN	1.00000000	0	0	1
## 1818	0.12500000	1.862197e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 1819	0.59722222	1.717877e-02	0.000000e+00	NaN	0.08695652	0	0	0
## 1820	0.47222222	1.722533e-02	1.380653e-05	NaN	0.21739130	0	0	0
## 1821	0.37500000	1.191806e-02	0.000000e+00	NaN	1.00000000	0	0	0
## 1822	0.84722222	4.655493e-04	0.000000e+00	NaN	1.00000000	0	0	0
## 1823	0.51388889	7.588454e-03	1.380653e-05	NaN	1.00000000	0	0	0
## 1824	0.13888889	7.448790e-04	0.000000e+00	NaN	1.00000000	0	0	1
## 1825	0.52777778	5.772812e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 1826	0.47222222	7.216015e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1827	0.84722222	5.540037e-03	0.000000e+00	NaN	1.00000000	1	0	0
## 1828	0.72222222	8.798883e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1829	0.00000000	2.048417e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1830	0.63888889	4.376164e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1831	1.00000000	5.027933e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1832	0.77777778	4.841713e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1833	0.61111111	9.310987e-04	6.903265e-06	NaN	1.00000000	1	0	0
## 1834	0.40277778	3.445065e-03	0.000000e+00	NaN	1.00000000	0	0	1
## 1835	0.90277778	1.950652e-02	0.000000e+00	NaN	1.00000000	0	0	1
## 1836	0.98611111	3.491620e-03	0.000000e+00	NaN	1.00000000	0	0	0
## 1837	0.69444444	7.448790e-03	1.380653e-05	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	0.81944444	3.212291e-03	0.000000e+00	NaN	1.00000000	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	0.22222222	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	0	0

##	1850	0.73611111	1.489758e-03	0.000000e+00	NaN	1.00000000		1	0	0		
##	1851	1.00000000	2.420857e-03	6.903265e-06	NaN	1.00000000		0	1	0		
##		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	0	0	0	0	0	0	1	0
##	2	0	0	1	0	0	0	0	0	0	0	1
##	3	0	0	1	0	0	1	0	0	0	0	0
##	4	0	0	0	0	0	0	0	1	0	0	0
##	5	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	1
##	8	0	0	1	0	0	0	0	0	0	0	1
##	9	0	0	1	0	1	0	0	0	0	0	0
##	10	0	0	1	0	1	0	0	0	0	0	0
##	11	0	0	0	0	0	0	0	0	1	0	0
##	12	0	0	0	0	0	0	1	0	0	0	0
##	13	1	0	0	0	0	0	0	0	0	1	0
##	14	0	0	0	0	0	0	1	0	0	0	0
##	15	0	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	0	1
##	20	0	0	0	0	0	0	0	0	1	0	0
##	21	0	0	0	0	0	0	0	1	0	0	0
##	22	1	0	0	0	0	0	0	0	0	1	0
##	23	1	0	0	0	0	0	0	0	0	0	1
##	24	0	1	0	0	1	0	0	0	0	0	0
##	25	0	1	0	0	1	0	0	0	0	0	0
##	26	0	0	1	0	0	0	0	0	0	0	1
##	27	0	0	0	0	0	0	0	1	0	0	0
##	28	0	0	0	0	0	0	0	1	0	0	0
##	29	0	1	0	0	0	0	0	0	0	1	0
##	30	0	0	1	0	1	0	0	0	0	0	0
##	31	0	0	0	0	0	1	0	0	0	0	0
##	32	0	0	0	0	0	0	1	0	0	0	0
##	33	1	0	0	0	0	0	0	0	0	1	0
##	34	0	1	0	0	0	0	0	0	0	1	0
##	35	0	0	1	0	0	1	0	0	0	0	0
##	36	0	0	0	0	0	0	0	1	0	0	0
##	37	0	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	0	1
##	41	0	0	1	0	0	1	0	0	0	0	0
##	42	0	0	1	0	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	0
##	45	0	0	0	0	0	0	0	0	1	0	0
##	46	0	0	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	0	0	1	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	0	0	1	0	0
## 79	0	1	0	0	1	0	0	0	0	0	0
## 80	0	0	1	0	0	1	0	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

[illegible]

## 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
## 152	0	0	0	1	0	1	0	0	0	0	0
## 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	0	0	0	0	1	0	0	0	0	0	0
## 156	0	0	0	0	0	0	0	0	1	0	0
## 157	0	0	0	0	0	0	0	0	0	1	0
## 158	0	0	0	0	0	0	0	0	0	1	0
## 159	0	0	0	0	0	0	0	1	0	0	0
## 160	1	0	0	0	0	0	0	0	0	0	1
## 161	1	0	0	0	0	0	0	0	0	0	1
## 162	1	0	0	0	0	0	0	0	1	0	0
## 163	0	1	0	0	0	0	0	0	1	0	0
## 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	0	0	1	0	0	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	1	0	0	0	0
## 187	0	0	0	0	0	1	0	0	0	0	0
## 188	0	0	0	0	1	0	0	0	0	0	0
## 189	0	0	0	0	0	0	0	1	0	0	0
## 190	0	0	0	0	0	0	1	0	0	0	0
## 191	0	0	0	0	0	0	1	0	0	0	0
## 192	0	0	0	0	0	0	0	0	1	0	0
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## 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	1	0	0	0
## 511	0	0	0	0	1	0	0	0	0	0	0
## 512	0	0	0	0	0	1	0	0	0	0	0
## 513	0	0	0	0	0	1	0	0	0	0	0
## 514	0	0	0	0	0	0	1	0	0	0	0
## 515	0	0	0	0	0	0	0	0	1	0	0
## 516	0	0	0	0	0	0	1	0	0	0	0
## 517	0	0	0	0	0	0	0	1	0	0	0
## 518	0	0	0	0	0	0	0	0	1	0	0
## 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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## 526	1	0	0	0	0	0	0	0	0	1	0
## 527	0	1	0	0	0	0	0	0	1	0	0
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## 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
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## 538	0	0	0	1	0	1	0	0	0	0	0
## 539	0	0	0	1	0	0	1	0	0	0	0
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## 541	0	0	0	0	0	0	1	0	0	0	0
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## 545	0	0	0	0	0	0	0	0	1	0	0
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## 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
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## 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
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## 559	0	0	1	0	1	0	0	0	0	0	0
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## 561	0	0	0	1	0	1	0	0	0	0	0
## 562	0	0	0	1	1	0	0	0	0	0	0
## 563	0	0	0	0	0	1	0	0	0	0	0
## 564	0	0	0	0	0	0	1	0	0	0	0
## 565	0	0	0	0	0	0	1	0	0	0	0
## 566	0	0	0	0	0	0	0	1	0	0	0
## 567	0	0	0	0	0	0	0	1	0	0	0
## 568	0	0	0	0	0	0	0	1	0	0	0
## 569	0	0	0	0	0	0	0	1	0	0	0
## 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	0	0	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
## 593	0	0	0	1	0	1	0	0	0	0	0
## 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

[illegible]

## 648	0	0	0	0	0	0	0	1	0	0	0
## 649	0	0	0	0	0	0	0	0	1	0	0
## 650	0	0	0	0	0	0	0	0	1	0	0
## 651	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
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## 657	1	0	0	0	0	0	0	1	0	0	0
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## 665	0	1	0	0	0	0	0	0	0	0	1
## 666	0	0	1	0	1	0	0	0	0	0	0
## 667	0	0	0	0	0	0	1	0	0	0	0
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## 679	0	0	1	0	0	0	0	0	0	0	1
## 680	0	0	0	0	0	0	0	0	0	1	0
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## 682	0	0	1	0	0	0	0	0	0	0	1
## 683	0	1	0	0	0	0	0	0	1	0	0
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## 686	0	0	0	0	0	0	0	0	1	0	0
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## 689	0	1	0	0	0	0	0	0	1	0	0
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## 692	0	0	0	0	0	0	0	0	0	1	0
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## 695	0	0	1	0	0	1	0	0	0	0	0
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## 697	0	0	0	0	0	0	1	0	0	0	0

## 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
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## 756	0	0	0	0	0	0	1	0	0	0	0
## 757	0	1	0	0	0	0	0	0	0	0	1
## 758	0	0	0	1	0	1	0	0	0	0	0
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## 762	0	0	1	0	0	0	0	0	0	0	1
## 763	1	0	0	0	0	0	0	0	1	0	0
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## 765	0	1	0	0	0	0	0	0	0	0	1
## 766	0	0	0	0	0	0	1	0	0	0	0
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## 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
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## 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	0	0	0	1	0	0
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## 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	0	0	0	1	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

## 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
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## 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	0	0	1	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	1	0	0
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## 828	0	0	0	0	0	0	0	1	0	0	0
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## 832	0	0	0	0	0	0	0	0	0	1	0
## 833	1	0	0	0	0	0	0	0	0	1	0
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## 835	0	0	1	0	0	0	0	0	0	1	0
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## 837	0	0	1	0	0	0	0	0	0	1	0
## 838	0	0	1	0	0	0	0	0	0	1	0
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## 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	1	0	0	0	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
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## 916	0	0	1	0	1	0	0	0	0	0	0
## 917	0	0	0	1	0	1	0	0	0	0	0
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## 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
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## 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
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## 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
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##	953	0	0	0	1	1	0	0	0	0	0	0
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##	955	0	0	0	0	0	0	0	1	0	0	0
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##	960	1	0	0	0	0	0	0	0	0	1	0
##	961	0	1	0	0	0	0	0	0	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
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##	966	0	0	1	0	0	1	0	0	0	0	0
##	967	0	1	0	0	0	0	0	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
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##	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
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##	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
##	982	0	0	0	0	0	0	1	0	0	0	0
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##	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	0	0	1	0	0	0	0	0	0	0	1
##	996	0	0	0	0	0	0	1	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	1	0	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
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## 1023	0	1	0	0	0	0	0	0	1	0	0
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## 1025	0	0	0	1	0	1	0	0	0	0	0
## 1026	0	0	0	0	0	1	0	0	0	0	0
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## 1037	0	0	0	0	0	0	0	1	0	0	0
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## 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	0	0	0	0	0	0
## 1044	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

## 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	0	0	0	0	1	0	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
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## 1115	0	0	1	0	0	1	0	0	0	0	0
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## 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	0	0	1	0	1	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	0	0	0	0	1	0	0	0

## 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	0	0	1	0	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	0	1	0	0	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	1	0	0	0
## 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
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## 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	0	0	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	0	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
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## 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	1	0	0
## 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
## 1230	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
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## 1235	0	0	1	0	1	0	0	0	0	0	0
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## 1237	0	0	1	0	0	0	0	0	0	0	1
## 1238	0	0	1	0	0	0	0	0	0	0	1
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## 1240	0	0	0	1	0	0	0	0	0	0	1
## 1241	0	0	0	1	0	1	0	0	0	0	0
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## 1243	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

## 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
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## 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
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## 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	1	0	1	0	0	0	0	0	0
## 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	1	0	1	0	0	0	0	0	0
## 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
## 1338	1	0	0	0	0	0	0	0	1	0	0
## 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
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## 1343	1	0	0	0	0	0	0	0	0	0	1
## 1344	1	0	0	0	0	0	0	0	0	1	0
## 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
## 1354	0	0	0	0	0	0	0	0	0	1	0
## 1355	0	0	0	0	0	1	0	0	0	0	0
## 1356	0	1	0	0	0	0	0	0	0	1	0
## 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
## 1361	0	0	1	0	1	0	0	0	0	0	0
## 1362	0	0	0	0	0	0	0	0	1	0	0
## 1363	0	0	0	0	0	0	0	1	0	0	0
## 1364	0	0	0	0	0	0	0	0	1	0	0
## 1365	0	0	0	0	0	0	0	1	0	0	0
## 1366	1	0	0	0	0	0	0	0	0	1	0
## 1367	0	0	0	1	0	1	0	0	0	0	0
## 1368	0	0	1	0	0	0	0	0	0	1	0
## 1369	0	0	0	0	0	0	0	0	1	0	0
## 1370	0	0	0	1	0	1	0	0	0	0	0
## 1371	0	0	0	1	0	1	0	0	0	0	0
## 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	0	0	0	1	0	0	0	0
## 1375	0	0	0	0	0	0	0	1	0	0	0
## 1376	0	0	0	0	0	0	0	1	0	0	0
## 1377	1	0	0	0	0	0	0	0	1	0	0
## 1378	0	0	0	1	0	0	0	0	0	0	1
## 1379	0	0	0	1	0	1	0	0	0	0	0
## 1380	0	0	0	0	0	0	0	1	0	0	0
## 1381	0	0	0	0	0	0	0	1	0	0	0
## 1382	0	0	1	0	0	1	0	0	0	0	0
## 1383	0	0	0	1	0	1	0	0	0	0	0
## 1384	0	1	0	0	0	0	0	0	0	1	0
## 1385	0	1	0	0	0	0	0	0	0	1	0
## 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	0	0	0	1	0	0	0
## 1389	0	0	1	0	0	0	0	0	0	0	1
## 1390	0	0	0	1	1	0	0	0	0	0	0
## 1391	1	0	0	0	0	0	0	0	0	1	0
## 1392	0	1	0	0	0	0	0	0	0	0	1
## 1393	0	0	0	1	0	1	0	0	0	0	0
## 1394	0	0	0	0	0	1	0	0	0	0	0
## 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
## 1399	1	0	0	0	0	0	0	0	0	0	1
## 1400	0	0	0	0	0	0	0	1	0	0	0
## 1401	0	0	1	0	1	0	0	0	0	0	0
## 1402	0	0	0	0	0	0	1	0	0	0	0
## 1403	1	0	0	0	0	0	0	0	0	0	1
## 1404	0	0	1	0	1	0	0	0	0	0	0
## 1405	0	0	0	0	0	0	0	1	0	0	0
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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
## 1409	0	0	0	0	0	0	0	1	0	0	0
## 1410	0	0	0	0	1	0	0	0	0	0	0
## 1411	1	0	0	0	0	0	0	0	0	0	1
## 1412	1	0	0	0	0	0	0	0	1	0	0
## 1413	0	1	0	0	0	0	0	0	0	0	1
## 1414	0	1	0	0	0	0	0	0	0	1	0
## 1415	0	0	0	1	1	0	0	0	0	0	0
## 1416	0	0	1	0	0	1	0	0	0	0	0
## 1417	0	0	0	0	0	0	0	1	0	0	0
## 1418	1	0	0	0	0	0	0	0	0	1	0
## 1419	0	0	1	0	0	0	0	0	0	0	1
## 1420	0	0	1	0	0	1	0	0	0	0	0
## 1421	0	0	0	1	1	0	0	0	0	0	0
## 1422	0	0	0	0	0	0	1	0	0	0	0
## 1423	0	0	0	1	0	1	0	0	0	0	0
## 1424	0	0	0	1	1	0	0	0	0	0	0
## 1425	0	0	0	1	0	1	0	0	0	0	0
## 1426	0	0	0	0	0	0	0	1	0	0	0
## 1427	0	0	0	0	0	1	0	0	0	0	0
## 1428	1	0	0	0	0	0	0	0	1	0	0
## 1429	0	0	0	0	1	0	0	0	0	0	0
## 1430	0	0	0	0	0	1	0	0	0	0	0
## 1431	0	0	0	1	0	1	0	0	0	0	0
## 1432	0	0	0	0	0	0	1	0	0	0	0
## 1433	0	1	0	0	0	0	0	0	0	1	0
## 1434	0	0	1	0	0	1	0	0	0	0	0
## 1435	0	0	1	0	0	0	0	0	0	1	0
## 1436	0	0	1	0	0	0	0	0	0	0	1
## 1437	0	0	0	1	1	0	0	0	0	0	0
## 1438	0	0	0	1	1	0	0	0	0	0	0
## 1439	0	0	0	1	0	1	0	0	0	0	0
## 1440	0	0	0	0	0	0	0	1	0	0	0
## 1441	0	0	0	0	0	0	0	1	0	0	0
## 1442	0	0	0	0	0	1	0	0	0	0	0
## 1443	0	0	0	0	0	0	0	0	1	0	0
## 1444	0	0	0	0	0	0	0	0	1	0	0
## 1445	0	0	0	0	0	0	0	0	1	0	0
## 1446	1	0	0	0	0	0	0	0	0	1	0
## 1447	1	0	0	0	0	0	0	1	0	0	0

## 1448	0	1	0	0	0	0	0	0	0	0	1
## 1449	0	1	0	0	0	0	0	0	0	0	1
## 1450	0	1	0	0	1	0	0	0	0	0	0
## 1451	0	0	1	0	0	0	0	0	0	1	0
## 1452	0	0	1	0	1	0	0	0	0	0	0
## 1453	0	0	1	0	0	0	0	0	0	0	1
## 1454	0	0	0	1	0	0	1	0	0	0	0
## 1455	0	0	0	0	0	0	1	0	0	0	0
## 1456	0	0	0	0	0	1	0	0	0	0	0
## 1457	0	0	0	0	0	0	0	1	0	0	0
## 1458	0	0	0	0	0	0	0	1	0	0	0
## 1459	0	0	0	0	0	0	0	0	0	1	0
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## 1461	0	1	0	0	0	0	0	0	1	0	0
## 1462	0	0	0	0	0	0	1	0	0	0	0
## 1463	0	0	0	0	0	0	0	0	1	0	0
## 1464	0	0	0	0	0	0	0	0	1	0	0
## 1465	0	1	0	0	0	0	0	0	0	1	0
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## 1467	0	1	0	0	0	0	0	0	0	0	1
## 1468	0	0	1	0	0	0	0	0	0	1	0
## 1469	0	0	0	0	0	0	1	0	0	0	0
## 1470	1	0	0	0	0	0	0	1	0	0	0
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## 1473	0	0	0	0	0	1	0	0	0	0	0
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## 1475	0	0	0	0	0	0	1	0	0	0	0
## 1476	0	0	0	0	0	1	0	0	0	0	0
## 1477	0	0	0	0	0	0	1	0	0	0	0
## 1478	0	0	0	0	0	0	0	1	0	0	0
## 1479	0	0	0	0	0	0	1	0	0	0	0
## 1480	1	0	0	0	0	0	0	0	0	1	0
## 1481	0	0	0	1	1	0	0	0	0	0	0
## 1482	0	0	0	0	1	0	0	0	0	0	0
## 1483	0	0	0	0	0	0	0	1	0	0	0
## 1484	0	0	0	0	0	0	1	0	0	0	0
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## 1486	0	1	0	0	0	0	0	0	0	1	0
## 1487	0	0	0	1	1	0	0	0	0	0	0
## 1488	0	0	0	0	0	1	0	0	0	0	0
## 1489	1	0	0	0	0	0	0	1	0	0	0
## 1490	0	0	1	0	1	0	0	0	0	0	0
## 1491	0	0	0	0	0	0	0	1	0	0	0
## 1492	0	0	0	0	0	0	1	0	0	0	0
## 1493	0	0	0	0	0	0	0	0	0	1	0
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## 1496	0	0	1	0	0	0	0	0	0	0	1
## 1497	0	0	1	0	0	0	0	0	0	0	1

## 1498	0	0	1	0	0	1	0	0	0	0	0
## 1499	0	0	0	0	0	0	0	0	1	0	0
## 1500	0	0	1	0	0	0	0	0	0	0	1
## 1501	0	0	0	0	0	0	0	0	0	1	0
## 1502	0	0	0	1	1	0	0	0	0	0	0
## 1503	1	0	0	0	0	0	0	0	0	1	0
## 1504	0	0	0	0	0	0	0	1	0	0	0
## 1505	1	0	0	0	0	0	0	0	0	1	0
## 1506	0	0	0	0	0	0	0	0	1	0	0
## 1507	0	0	0	0	0	0	1	0	0	0	0
## 1508	0	0	0	0	0	0	1	0	0	0	0
## 1509	0	0	0	0	0	1	0	0	0	0	0
## 1510	0	0	0	0	0	0	1	0	0	0	0
## 1511	0	0	0	0	0	0	0	0	0	1	0
## 1512	0	0	0	0	0	0	0	0	0	1	0
## 1513	1	0	0	0	0	0	0	0	0	1	0
## 1514	1	0	0	0	0	0	0	0	1	0	0
## 1515	1	0	0	0	0	0	0	0	0	1	0
## 1516	0	1	0	0	0	0	0	0	0	0	1
## 1517	0	1	0	0	1	0	0	0	0	0	0
## 1518	0	1	0	0	0	0	0	0	0	1	0
## 1519	0	1	0	0	0	0	0	0	0	0	1
## 1520	0	1	0	0	0	0	0	0	0	0	1
## 1521	0	1	0	0	1	0	0	0	0	0	0
## 1522	0	1	0	0	1	0	0	0	0	0	0
## 1523	0	0	1	0	1	0	0	0	0	0	0
## 1524	0	0	1	0	0	0	0	0	0	0	1
## 1525	0	0	1	0	0	0	0	0	0	1	0
## 1526	0	0	1	0	0	1	0	0	0	0	0
## 1527	0	0	0	1	0	1	0	0	0	0	0
## 1528	0	0	0	1	1	0	0	0	0	0	0
## 1529	0	0	0	1	1	0	0	0	0	0	0
## 1530	0	0	0	1	0	1	0	0	0	0	0
## 1531	0	0	0	1	1	0	0	0	0	0	0
## 1532	0	0	0	1	0	0	1	0	0	0	0
## 1533	0	0	0	0	1	0	0	0	0	0	0
## 1534	0	0	0	0	0	1	0	0	0	0	0
## 1535	0	0	0	0	0	0	1	0	0	0	0
## 1536	0	0	0	0	1	0	0	0	0	0	0
## 1537	0	0	0	0	0	0	1	0	0	0	0
## 1538	0	0	0	0	1	0	0	0	0	0	0
## 1539	0	0	0	0	0	0	1	0	0	0	0
## 1540	0	0	0	0	0	0	0	1	0	0	0
## 1541	0	0	0	0	0	0	0	1	0	0	0
## 1542	0	0	0	0	0	0	0	1	0	0	0
## 1543	0	0	0	0	0	0	1	0	0	0	0
## 1544	0	0	0	0	0	0	0	1	0	0	0
## 1545	0	0	0	0	0	0	0	0	1	0	0
## 1546	0	0	0	0	0	0	0	0	1	0	0
## 1547	0	0	0	0	0	0	0	1	0	0	0

## 1598	0	0	0	0	0	0	1	0	0	0	0
## 1599	0	0	0	0	0	0	0	0	1	0	0
## 1600	1	0	0	0	0	0	0	0	1	0	0
## 1601	0	0	1	0	1	0	0	0	0	0	0
## 1602	0	0	1	0	0	0	0	0	0	0	1
## 1603	0	0	0	1	0	0	1	0	0	0	0
## 1604	0	0	0	0	0	0	0	1	0	0	0
## 1605	0	0	0	0	0	0	0	0	1	0	0
## 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
## 1609	0	0	0	0	0	0	0	0	1	0	0
## 1610	0	0	0	0	0	0	0	1	0	0	0
## 1611	0	0	0	0	0	0	0	0	0	1	0
## 1612	0	1	0	0	0	0	0	0	0	0	1
## 1613	0	1	0	0	0	0	0	0	1	0	0
## 1614	0	1	0	0	0	0	0	0	0	1	0
## 1615	0	0	0	1	0	1	0	0	0	0	0
## 1616	0	0	1	0	1	0	0	0	0	0	0
## 1617	0	0	0	0	0	0	0	0	1	0	0
## 1618	1	0	0	0	0	0	0	1	0	0	0
## 1619	0	0	0	0	0	0	0	1	0	0	0
## 1620	0	0	1	0	0	1	0	0	0	0	0
## 1621	0	0	0	0	0	0	1	0	0	0	0
## 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
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## 1634	0	1	0	0	0	0	0	0	0	1	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

## 1648	0	0	0	0	0	0	0	1	0	0	0
## 1649	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
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## 1654	0	1	0	0	0	0	0	0	0	1	0
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## 1658	0	0	0	1	0	0	1	0	0	0	0
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## 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	0	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	0	0	0	0	0	0	0	1	0	0	0
## 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	0	1	0	0	0	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

[illegible]

## 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
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## 1761	0	1	0	0	0	0	0	0	0	0	1
## 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
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## 1767	0	0	0	0	0	1	0	0	0	0	0
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## 1776	0	0	1	0	0	0	0	0	0	0	1
## 1777	0	0	0	1	0	1	0	0	0	0	0
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## 1780	0	0	0	0	0	0	0	1	0	0	0
## 1781	0	0	0	0	0	0	0	1	0	0	0
## 1782	0	0	0	0	0	0	0	0	1	0	0
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## 1784	0	0	0	0	0	0	0	0	1	0	0
## 1785	1	0	0	0	0	0	0	1	0	0	0
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## 1789	0	0	1	0	1	0	0	0	0	0	0
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## 1792	0	0	0	0	0	1	0	0	0	0	0
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## 1795	0	0	0	0	0	0	0	1	0	0	0
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## 1805	0	0	0	0	0	0	0	1	0	0	0
## 1806	0	0	0	0	0	0	1	0	0	0	0
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## 1837	0	1	0	0	0	0	0	0	0	0	1
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## 7	0.0000000000										
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## 9	0.0000000000										
## 10	0.0000000000										
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## 1397 0.0007662835
## 1398 0.0000000000
## 1399 0.0000000000
## 1400 0.0000000000
## 1401 0.0000000000
## 1402 0.0030651341
## 1403 0.0000000000
## 1404 0.0000000000
## 1405 0.0000000000
## 1406 0.0000000000
## 1407 0.0000000000
## 1408 0.0000000000
## 1409 0.0000000000
## 1410 0.0007662835
## 1411 0.0000000000
## 1412 0.0000000000
## 1413 0.0000000000
## 1414 0.0000000000
## 1415 0.0000000000
## 1416 0.0000000000
## 1417 0.0000000000
## 1418 0.0000000000
## 1419 0.0000000000
## 1420 0.0000000000
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## 1422 0.0000000000
## 1423 0.0000000000
## 1424 0.0000000000
## 1425 0.0000000000
## 1426 0.0000000000
## 1427 0.0000000000
## 1428 0.0000000000
## 1429 0.0000000000
## 1430 0.0007662835
## 1431 0.0000000000
## 1432 0.0000000000
## 1433 0.0842911877
## 1434 0.0007662835
## 1435 0.1233716475
## 1436 0.0337164751
## 1437 0.0659003831
## 1438 0.0191570881
## 1439 0.0068965517
## 1440 0.0022988506
## 1441 0.0015325670
## 1442 0.0467432950
## 1443 0.0015325670
## 1444 0.0268199234
## 1445 0.0283524904
```

1446 0.0061302682
1447 0.1440613027
1448 0.0022988506
1449 0.0022988506
1450 0.0061302682
1451 0.0582375479
1452 0.0045977011
1453 0.1931034483
1454 0.0114942529
1455 0.0268199234
1456 0.0283524904
1457 0.0697318008
1458 0.0513409962
1459 0.0068965517
1460 0.1088122605
1461 0.2574712644
1462 0.0881226054
1463 0.0007662835
1464 0.0283524904
1465 0.0168582375
1466 0.0061302682
1467 0.0329501916
1468 0.3249042146
1469 0.0183908046
1470 0.2467432950
1471 0.0191570881
1472 0.0268199234
1473 0.0045977011
1474 0.0007662835
1475 0.0030651341
1476 0.1494252874
1477 0.0919540230
1478 0.0038314176
1479 0.0521072797
1480 0.0076628352
1481 0.0061302682
1482 0.0850574713
1483 0.0114942529
1484 0.1540229885
1485 0.0022988506
1486 0.0176245211
1487 0.0122605364
1488 0.0873563218
1489 0.0873563218
1490 0.0053639847
1491 0.0007662835
1492 0.0045977011
1493 0.0007662835
1494 0.0007662835
1495 0.0000000000

1496 0.0053639847
1497 0.0168582375
1498 0.0022988506
1499 0.0022988506
1500 0.0245210728
1501 0.0015325670
1502 0.0229885057
1503 0.0030651341
1504 0.0000000000
1505 0.0022988506
1506 0.0045977011
1507 0.0015325670
1508 0.0022988506
1509 0.0183908046
1510 0.0229885057
1511 0.0007662835
1512 0.0000000000
1513 0.0007662835
1514 0.0022988506
1515 0.0007662835
1516 0.0000000000
1517 0.0000000000
1518 0.0015325670
1519 0.0007662835
1520 0.0000000000
1521 0.0007662835
1522 0.0007662835
1523 0.0061302682
1524 0.0015325670
1525 0.4038314176
1526 0.0015325670
1527 0.0000000000
1528 0.0045977011
1529 0.0038314176
1530 0.0000000000
1531 0.0015325670
1532 0.0000000000
1533 0.0505747126
1534 0.0045977011
1535 0.0091954023
1536 0.0406130268
1537 0.0000000000
1538 0.0681992337
1539 0.0000000000
1540 0.0000000000
1541 0.0053639847
1542 0.0007662835
1543 0.0007662835
1544 0.0015325670
1545 0.0007662835

1546 0.0000000000
1547 0.0015325670
1548 0.0007662835
1549 0.0015325670
1550 0.0007662835
1551 0.0068965517
1552 0.0045977011
1553 0.0000000000
1554 0.0022988506
1555 0.0114942529
1556 0.0812260536
1557 0.0758620690
1558 0.0000000000
1559 0.0068965517
1560 0.1517241379
1561 0.0153256705
1562 0.0030651341
1563 0.0007662835
1564 0.0260536398
1565 0.0015325670
1566 0.0076628352
1567 0.0130268199
1568 0.0091954023
1569 0.0053639847
1570 0.0084291188
1571 0.0038314176
1572 0.0068965517
1573 0.0000000000
1574 0.0022988506
1575 0.0015325670
1576 0.0000000000
1577 0.0061302682
1578 0.0712643678
1579 0.0000000000
1580 0.0436781609
1581 0.0022988506
1582 0.0030651341
1583 0.0007662835
1584 0.0007662835
1585 0.0000000000
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1587 0.0000000000
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1589 0.0022988506
1590 0.0153256705
1591 0.0000000000
1592 0.0000000000
1593 0.0007662835
1594 0.0000000000
1595 0.0099616858

1596 0.0000000000
1597 0.0000000000
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1599 0.0000000000
1600 0.0007662835
1601 0.0000000000
1602 0.0045977011
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1615 0.0015325670
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1618 0.0015325670
1619 0.0007662835
1620 0.0015325670
1621 0.0000000000
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1624 0.0007662835
1625 0.0000000000
1626 0.0038314176
1627 0.0199233716
1628 0.0000000000
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1644 0.0000000000
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```
## 1646 0.0000000000
## 1647 0.0000000000
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## 1674 0.0022988506
## 1675 0.0000000000
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## 1680 0.0000000000
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## 1682 0.0007662835
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## 1692 0.0000000000
## 1693 0.0007662835
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## 1695 0.0000000000
```



```
## 1696 0.0000000000
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## 1740 0.0007662835
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## 1744 0.0000000000
## 1745 0.0000000000
```

1746 0.0007662835
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1767 0.0000000000
1768 0.0007662835
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1796 0.0007662835
1797 0.0000000000
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1800 0.0000000000
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1807 0.0007662835
1808 0.0000000000
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1818 0.0038314176
1819 0.0000000000
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1821 0.0007662835
1822 0.0000000000
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1825 0.0015325670
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1827 0.0007662835
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1829 0.0114942529
1830 0.0000000000
1831 0.0007662835
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1835 0.0000000000
1836 0.0000000000
1837 0.0000000000
1838 0.0000000000
1839 0.0000000000
1840 0.0030651341
1841 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)
```

```
## [1] "X634995"      "X0"           "X463"
## [4] "X1"           "X0.0"         "X806.0"
## [7] "X11.291044776119403" "X1.0"        "X70.49513846124168"
## [10] "X0.0.1"       "X806.0.1"     "X7.574626865671642"
## [13] "X0.0.2"       "X69.435826365571" "X0.0.3"
## [16] "X76.0"        "X2.6044776119402986" "X0.0.4"
## [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"
## [52] "X0.18"        "X1.2"         "X0.19"
```

```
Features_Train<-Features_norm[1:28003,]
```

```
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+X10.649253731343284+X1.0.1+X70.25478763764251+X.69.0+X806.0.3+X4.970149253731344,data = Features_Train, family = binomial)
```

```
## Warning in eval(family$initialize): non-integer #successes in a binomial
## glm!
```

```
model
```

```
##
```

```
## Call: 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      X0.0.1      X806.0.1
##      -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
##      8.9179      3.4798      5.6877
##      X4.970149253731344
##      NA
```

```
##
```

```
## 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 ~ 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      1Q   Median      3Q      Max
## -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)      -8.1890      2.0025  -4.089 4.33e-05 ***
## X634995      15.1657      7.1199   2.130 0.03317 *
```

```

## X0          0.6445    0.7299    0.883    0.37721
## 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     -6.5078    4.5938   -1.417    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   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

predict<-predict(model)
head(predict)

##          1          2          3          4          5          6
## -5.584117 -5.584117 -5.584117 -5.584117 -5.584117 -5.584117

fit <- 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(link='logit'))

## Warning in eval(family$initialize): non-integer #successes in a binomial
## glm!

```

```
summary(fit)
```

```
## Call:
```

```
## 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(link = "logi  
t"),  
##      data = Features_Train)  
##
```

```
## Deviance Residuals:
```

```
##      Min       1Q   Median       3Q      Max  
## -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)      -8.1890      2.0025  -4.089 4.33e-05 ***  
## X634995           15.1657      7.1199   2.130 0.03317 *  
## X0                0.6445      0.7299   0.883 0.37721  
## 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          -6.5078      4.5938  -1.417 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   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)
```

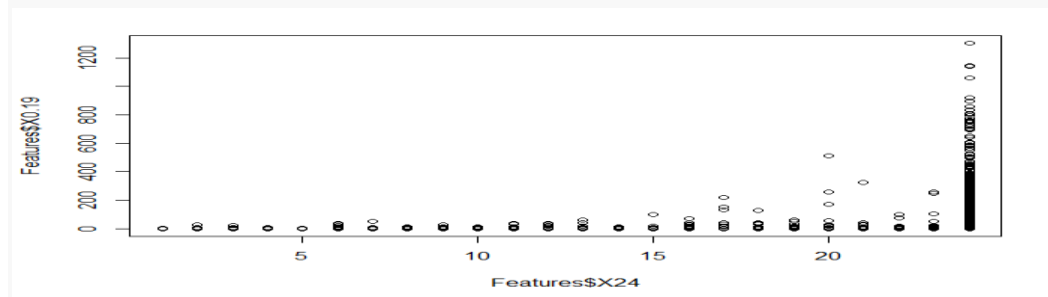
```
## ResourceSelection 0.3-2 2017-02-28
```

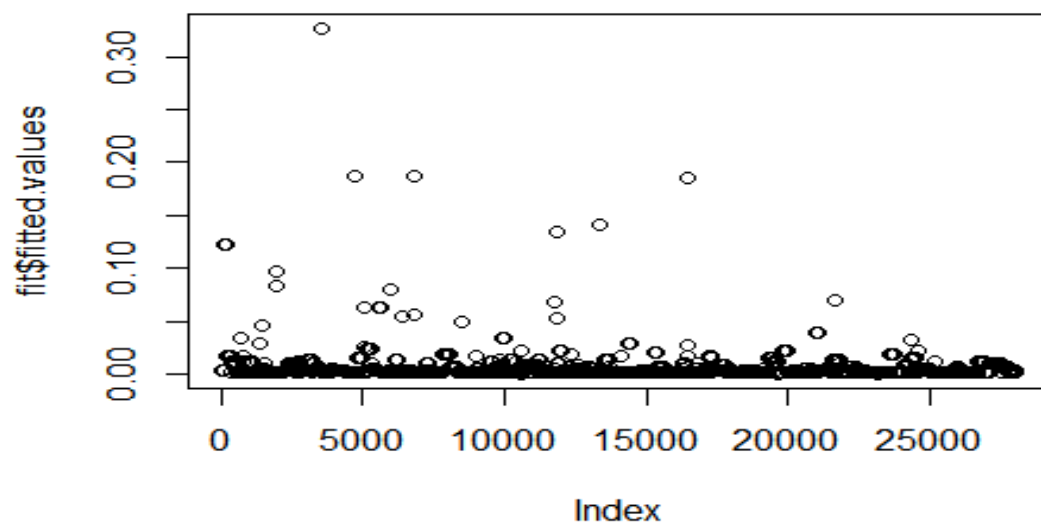
```
hoslem.test(Features_Train$X0.19, fitted(fit))
```

```
##
## 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
```

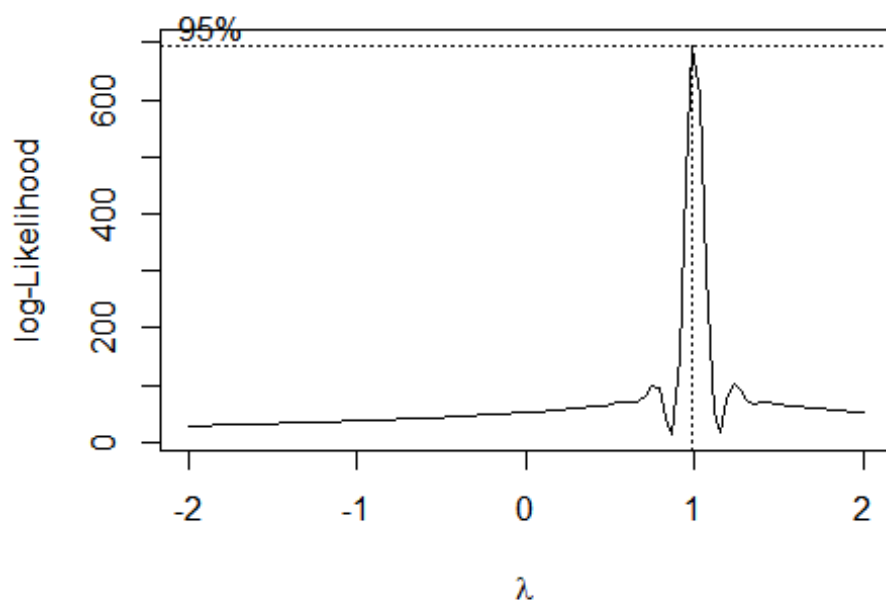
```
#plot the fitted model
plot(fit$fitted.values)
```

```
plot(Features$X24,Features$X0.19)
```

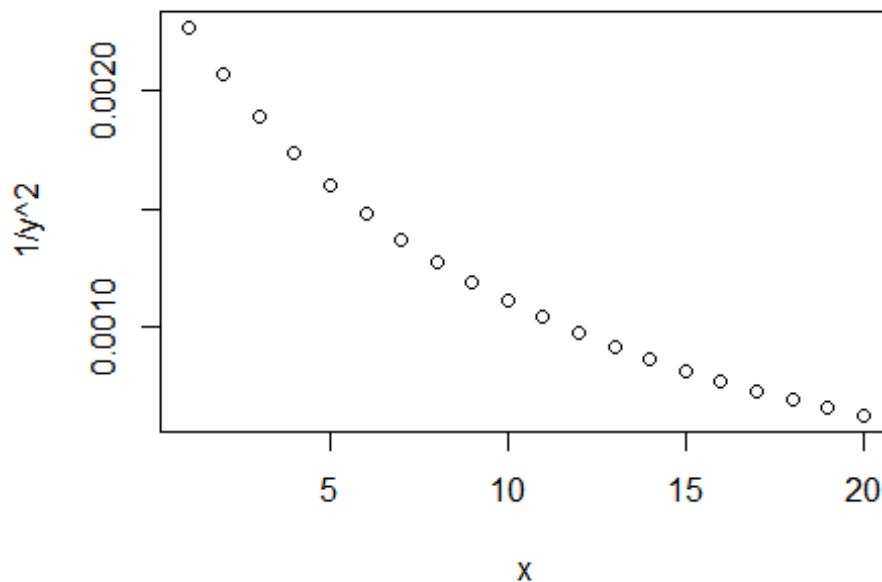




```
x <- 1:20  
y <- 21:40  
library(MASS)  
boxcox(y~x)
```



```
plot(1/y^2~x)
```



```
#check for multicollinearity
library(car)

## Loading required package: carData

#vif(fit)
#vif(step_fit)
pred <- predict(fit,newdata = Features_Test,type = 'response')

## 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

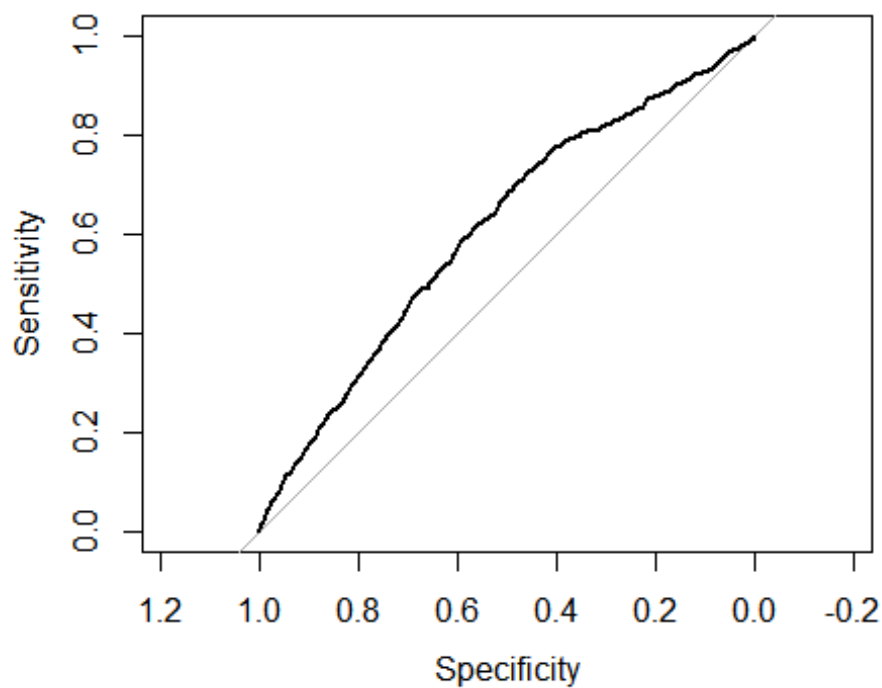
g <- roc(X0.19~ pred, data = Features_Test)

## Warning in roc.default(response, m[[predictors]], ...): 'response' has
## more than two levels. Consider setting 'levels' explicitly or using
## 'multiclass.roc' instead
```

```

g
##
## Call:
## roc.formula(formula = X0.19 ~ pred, data = Features_Test)
##
## Data: pred in 6868 controls (X0.19 0) < 1759 cases (X0.19 0.000766283524904215).
## Area under the curve: 0.6101
plot(g)

```



```

library(caret)
## Loading required package: lattice
## Loading required package: ggplot2
#with default prob cut 0.50
Features_Test$pred_X0.19 <- ifelse(pred<0.7,'yes','no')
table(Features_Test$pred_X0.19,Features_Test$X0.19)
##
##          0 0.000766283524904215 0.00153256704980843 0.00229885057471264
## no      2                                1                                0
## yes 6866                                1758                                872
##          515

```

##		0.00306513409961686	0.00383141762452107	0.00459770114942529
##	no	1	0	1
##	yes	421	286	215
##		0.0053639846743295	0.00613026819923372	0.00689655172413793
##	no	0	0	0
##	yes	200	140	119
##		0.00766283524904215	0.00842911877394636	0.00919540229885057
##	no	0	0	0
##	yes	103	81	84
##		0.00996168582375479	0.010727969348659	0.0114942528735632
##	no	0	0	1
##	yes	73	52	77
##		0.0122605363984674	0.0130268199233716	0.0137931034482759
##	no	0	0	1
##	yes	42	43	34
##		0.0145593869731801	0.0153256704980843	0.0160919540229885
##	no	0	0	0
##	yes	24	29	45
##		0.0168582375478927	0.0176245210727969	0.0183908045977011
##	no	0	0	0
##	yes	36	34	28
##		0.0191570881226054	0.0199233716475096	0.0206896551724138
##	no	0	0	0
##	yes	15	23	24
##		0.021455938697318	0.0222222222222222	0.0229885057471264
##	no	0	0	0
##	yes	18	25	18
##		0.0237547892720306	0.0245210727969349	0.0252873563218391
##	no	0	0	0
##	yes	19	15	19
##		0.0260536398467433	0.0268199233716475	0.0275862068965517
##	no	0	0	0
##	yes	15	13	12
##		0.0283524904214559	0.0291187739463602	0.0298850574712644
##	no	0	0	0
##	yes	13	19	11
##		0.0306513409961686	0.0314176245210728	0.032183908045977
##	no	0	0	0

##	yes	14	14	15
##				
##		0.0329501915708812	0.0337164750957854	0.0344827586206897
##	no	0	0	0
##	yes	8	6	11
##				
##		0.0352490421455939	0.0360153256704981	0.0367816091954023
##	no	0	0	0
##	yes	9	12	8
##				
##		0.0375478927203065	0.0383141762452107	0.0390804597701149
##	no	0	0	0
##	yes	9	9	7
##				
##		0.0398467432950192	0.0406130268199234	0.0413793103448276
##	no	0	0	1
##	yes	10	1	11
##				
##		0.0421455938697318	0.042911877394636	0.0436781609195402
##	no	0	0	0
##	yes	10	10	8
##				
##		0.0444444444444444	0.0452107279693487	0.0459770114942529
##	no	0	0	0
##	yes	2	7	1
##				
##		0.0467432950191571	0.0475095785440613	0.0482758620689655
##	no	0	0	0
##	yes	11	6	7
##				
##		0.0490421455938697	0.0498084291187739	0.0505747126436782
##	no	0	0	0
##	yes	3	4	6
##				
##		0.0513409961685824	0.0521072796934866	0.0528735632183908
##	no	0	0	0
##	yes	7	2	5
##				
##		0.053639846743295	0.0544061302681992	0.0551724137931034
##	no	0	0	0
##	yes	7	6	4
##				
##		0.0559386973180077	0.0567049808429119	0.0574712643678161
##	no	0	1	0
##	yes	4	1	2
##				
##		0.0582375478927203	0.0590038314176245	0.0597701149425287
##	no	0	0	0
##	yes	2	3	4
##				

##		0.060536398467433	0.0613026819923372	0.0620689655172414
##	no	1	0	0
##	yes	2	2	3
##				
##		0.0628352490421456	0.0636015325670498	0.064367816091954
##	no	0	0	0
##	yes	3	1	3
##				
##		0.0651340996168582	0.0659003831417625	0.0666666666666667
##	no	0	0	0
##	yes	4	1	4
##				
##		0.0674329501915709	0.0681992337164751	0.0689655172413793
##	no	0	0	0
##	yes	2	2	5
##				
##		0.0697318007662835	0.0704980842911877	0.071264367816092
##	no	0	0	0
##	yes	3	4	3
##				
##		0.0720306513409962	0.0727969348659004	0.0735632183908046
##	no	0	0	0
##	yes	3	2	1
##				
##		0.0743295019157088	0.075095785440613	0.0758620689655172
##	no	0	0	0
##	yes	2	4	1
##				
##		0.0766283524904215	0.0773946360153257	0.0781609195402299
##	no	0	0	0
##	yes	2	2	2
##				
##		0.0789272030651341	0.0796934865900383	0.0804597701149425
##	no	0	0	0
##	yes	2	4	3
##				
##		0.0812260536398467	0.081992337164751	0.0827586206896552
##	no	1	0	0
##	yes	3	2	1
##				
##		0.0835249042145594	0.0842911877394636	0.0850574712643678
##	no	0	0	0
##	yes	1	4	2
##				
##		0.085823754789272	0.0873563218390805	0.0881226053639847
##	no	0	0	0
##	yes	1	1	2
##				
##		0.0888888888888889	0.0896551724137931	0.0904214559386973
##	no	0	0	0

##	yes	1	1	2
##				
##		0.0911877394636015	0.0919540229885057	0.09272030651341
##	no	0	0	0
##	yes	1	1	1
##				
##		0.0934865900383142	0.0942528735632184	0.0957854406130268
##	no	0	0	0
##	yes	2	2	4
##				
##		0.096551724137931	0.0980842911877395	0.0996168582375479
##	no	0	0	0
##	yes	1	2	2
##				
##		0.100383141762452	0.101149425287356	0.101915708812261
##	no	0	0	0
##	yes	2	1	3
##				
##		0.102681992337165	0.103448275862069	0.104214559386973
##	no	0	0	0
##	yes	1	2	1
##				
##		0.104980842911877	0.106513409961686	0.108045977011494
##	no	0	0	0
##	yes	1	1	1
##				
##		0.109578544061303	0.110344827586207	0.113409961685824
##	no	0	0	0
##	yes	2	1	3
##				
##		0.114176245210728	0.117241379310345	0.118007662835249
##	no	0	0	0
##	yes	2	2	2
##				
##		0.118773946360153	0.119540229885057	0.12183908045977
##	no	0	0	0
##	yes	2	1	1
##				
##		0.122605363984674	0.124137931034483	0.126436781609195
##	no	0	0	0
##	yes	1	1	1
##				
##		0.128735632183908	0.129501915708812	0.130268199233716
##	no	0	0	0
##	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	0	0	0
##	yes	3	1	1
##				
##		0.144061302681992	0.147126436781609	0.149425287356322
##	no	0	0	0
##	yes	1	1	2
##				
##		0.150191570881226	0.154789272030651	0.155555555555556
##	no	0	0	0
##	yes	1	1	1
##				
##		0.157088122605364	0.160153256704981	0.160919540229885
##	no	0	0	0
##	yes	1	1	1
##				
##		0.161685823754789	0.162452107279693	0.163218390804598
##	no	0	0	0
##	yes	1	1	1
##				
##		0.166283524904215	0.167049808429119	0.167816091954023
##	no	0	0	1
##	yes	1	1	0
##				
##		0.169348659003831	0.172413793103448	0.173180076628352
##	no	0	0	1
##	yes	1	2	0
##				
##		0.175478927203065	0.176245210727969	0.177011494252874
##	no	0	0	0
##	yes	1	1	1
##				
##		0.177777777777778	0.180842911877395	0.187739463601533
##	no	0	0	0
##	yes	1	1	1
##				
##		0.190038314176245	0.190804597701149	0.192337164750958
##	no	0	0	0
##	yes	3	1	1
##				
##		0.19463601532567	0.195402298850575	0.197701149425287
##	no	0	0	0
##	yes	1	1	1
##				
##		0.198467432950192	0.20536398467433	0.209961685823755
##	no	0	0	0
##	yes	1	1	2
##				
##		0.210727969348659	0.212260536398467	0.213793103448276
##	no	0	0	0

##	yes	1	1	1
##				
##		0.21455938697318	0.218390804597701	0.228352490421456
##	no	0	0	0
##	yes	1	1	1
##				
##		0.230651340996169	0.236015325670498	0.237547892720307
##	no	0	0	0
##	yes	1	1	1
##				
##		0.239080459770115	0.239846743295019	0.244444444444444
##	no	0	0	0
##	yes	1	1	1
##				
##		0.245210727969349	0.256704980842912	0.259003831417625
##	no	1	0	0
##	yes	0	1	1
##				
##		0.262068965517241	0.266666666666667	0.273563218390805
##	no	0	0	0
##	yes	1	1	1
##				
##		0.298084291187739	0.314176245210728	0.326436781609195
##	no	0	0	0
##	yes	1	1	1
##				
##		0.331800766283525	0.338697318007663	0.348659003831418
##	no	0	0	0
##	yes	1	1	1
##				
##		0.381609195402299	0.386973180076628	0.388505747126437
##	no	0	0	0
##	yes	1	1	1
##				
##		0.389272030651341	0.44904214559387	0.451340996168582
##	no	0	0	0
##	yes	1	1	1
##				
##		0.466666666666667	0.467432950191571	0.500383141762452
##	no	1	0	0
##	yes	0	1	1
##				
##		0.551724137931034	0.57088122605364	0.577011494252874
##	no	0	0	0
##	yes	1	1	1
##				
##		0.59463601532567	0.616858237547893	0.655938697318008
##	no	0	0	0
##	yes	1	1	1
##				

```
##      0.704980842911877
## no      0
## yes     1
```

```
#training split of churn classes
```

```
round(table(Features_Test$X0.19)/nrow(Features_Train),2)*100
```

```
##
##      0 0.000766283524904215 0.00153256704980843
##      25      6      3
## 0.00229885057471264 0.00306513409961686 0.00383141762452107
##      2      2      1
## 0.00459770114942529 0.0053639846743295 0.00613026819923372
##      1      1      0
## 0.00689655172413793 0.00766283524904215 0.00842911877394636
##      0      0      0
## 0.00919540229885057 0.00996168582375479 0.010727969348659
##      0      0      0
## 0.0114942528735632 0.0122605363984674 0.0130268199233716
##      0      0      0
## 0.0137931034482759 0.0145593869731801 0.0153256704980843
##      0      0      0
## 0.0160919540229885 0.0168582375478927 0.0176245210727969
##      0      0      0
## 0.0183908045977011 0.0191570881226054 0.0199233716475096
##      0      0      0
## 0.0206896551724138 0.021455938697318 0.0222222222222222
##      0      0      0
## 0.0229885057471264 0.0237547892720306 0.0245210727969349
##      0      0      0
## 0.0252873563218391 0.0260536398467433 0.0268199233716475
##      0      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      0      0
## 0.0367816091954023 0.0375478927203065 0.0383141762452107
##      0      0      0
## 0.0390804597701149 0.0398467432950192 0.0406130268199234
##      0      0      0
## 0.0413793103448276 0.0421455938697318 0.042911877394636
##      0      0      0
## 0.0436781609195402 0.04444444444444444 0.0452107279693487
##      0      0      0
## 0.0459770114942529 0.0467432950191571 0.0475095785440613
##      0      0      0
```

##	0.0482758620689655	0.0490421455938697	0.0498084291187739
##	0	0	0
##	0.0505747126436782	0.0513409961685824	0.0521072796934866
##	0	0	0
##	0.0528735632183908	0.053639846743295	0.0544061302681992
##	0	0	0
##	0.0551724137931034	0.0559386973180077	0.0567049808429119
##	0	0	0
##	0.0574712643678161	0.0582375478927203	0.0590038314176245
##	0	0	0
##	0.0597701149425287	0.060536398467433	0.0613026819923372
##	0	0	0
##	0.0620689655172414	0.0628352490421456	0.0636015325670498
##	0	0	0
##	0.064367816091954	0.0651340996168582	0.0659003831417625
##	0	0	0
##	0.0666666666666667	0.0674329501915709	0.0681992337164751
##	0	0	0
##	0.0689655172413793	0.0697318007662835	0.0704980842911877
##	0	0	0
##	0.071264367816092	0.0720306513409962	0.0727969348659004
##	0	0	0
##	0.0735632183908046	0.0743295019157088	0.075095785440613
##	0	0	0
##	0.0758620689655172	0.0766283524904215	0.0773946360153257
##	0	0	0
##	0.0781609195402299	0.0789272030651341	0.0796934865900383
##	0	0	0
##	0.0804597701149425	0.0812260536398467	0.081992337164751
##	0	0	0
##	0.0827586206896552	0.0835249042145594	0.0842911877394636
##	0	0	0
##	0.0850574712643678	0.085823754789272	0.0873563218390805
##	0	0	0
##	0.0881226053639847	0.0888888888888889	0.0896551724137931
##	0	0	0
##	0.0904214559386973	0.0911877394636015	0.0919540229885057
##	0	0	0
##	0.09272030651341	0.0934865900383142	0.0942528735632184
##	0	0	0
##	0.0957854406130268	0.096551724137931	0.0980842911877395
##	0	0	0
##	0.0996168582375479	0.100383141762452	0.101149425287356
##	0	0	0
##	0.101915708812261	0.102681992337165	0.103448275862069
##	0	0	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	0
##	0.118007662835249	0.118773946360153	0.119540229885057
##	0	0	0
##	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	0	0
##	0.135632183908046	0.137931034482759	0.142528735632184
##	0	0	0
##	0.143295019157088	0.144061302681992	0.147126436781609
##	0	0	0
##	0.149425287356322	0.150191570881226	0.154789272030651
##	0	0	0
##	0.155555555555556	0.157088122605364	0.160153256704981
##	0	0	0
##	0.160919540229885	0.161685823754789	0.162452107279693
##	0	0	0
##	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	0
##	0.177011494252874	0.177777777777778	0.180842911877395
##	0	0	0
##	0.187739463601533	0.190038314176245	0.190804597701149
##	0	0	0
##	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	0	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
##	0.244444444444444	0.245210727969349	0.256704980842912
##	0	0	0
##	0.259003831417625	0.262068965517241	0.266666666666667
##	0	0	0
##	0.273563218390805	0.298084291187739	0.314176245210728
##	0	0	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      0.466666666666667      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              7
##      0.00229885057471264 0.00306513409961686 0.00383141762452107
##              4              3              2
##      0.00459770114942529 0.0053639846743295 0.00613026819923372
##              2              2              1
##      0.00689655172413793 0.00766283524904215 0.00842911877394636
##              1              1              1
##      0.00919540229885057 0.00996168582375479 0.010727969348659
##              1              1              0
##      0.0114942528735632 0.0122605363984674 0.0130268199233716
##              1              0              0
##      0.0137931034482759 0.0145593869731801 0.0153256704980843
##              0              0              0
##      0.0160919540229885 0.0168582375478927 0.0176245210727969
##              0              0              0
##      0.0183908045977011 0.0191570881226054 0.0199233716475096
##              0              0              0
##      0.0206896551724138 0.021455938697318 0.0222222222222222
##              0              0              0
##      0.0229885057471264 0.0237547892720306 0.0245210727969349
##              0              0              0
##      0.0252873563218391 0.0260536398467433 0.0268199233716475
##              0              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              0              0
##      0.0367816091954023 0.0375478927203065 0.0383141762452107
```

##	0	0	0
##	0.0390804597701149	0.0398467432950192	0.0406130268199234
##	0	0	0
##	0.0413793103448276	0.0421455938697318	0.042911877394636
##	0	0	0
##	0.0436781609195402	0.0444444444444444	0.0452107279693487
##	0	0	0
##	0.0459770114942529	0.0467432950191571	0.0475095785440613
##	0	0	0
##	0.0482758620689655	0.0490421455938697	0.0498084291187739
##	0	0	0
##	0.0505747126436782	0.0513409961685824	0.0521072796934866
##	0	0	0
##	0.0528735632183908	0.053639846743295	0.0544061302681992
##	0	0	0
##	0.0551724137931034	0.0559386973180077	0.0567049808429119
##	0	0	0
##	0.0574712643678161	0.0582375478927203	0.0590038314176245
##	0	0	0
##	0.0597701149425287	0.060536398467433	0.0613026819923372
##	0	0	0
##	0.0620689655172414	0.0628352490421456	0.0636015325670498
##	0	0	0
##	0.064367816091954	0.0651340996168582	0.0659003831417625
##	0	0	0
##	0.0666666666666667	0.0674329501915709	0.0681992337164751
##	0	0	0
##	0.0689655172413793	0.0697318007662835	0.0704980842911877
##	0	0	0
##	0.071264367816092	0.0720306513409962	0.0727969348659004
##	0	0	0
##	0.0735632183908046	0.0743295019157088	0.075095785440613
##	0	0	0
##	0.0758620689655172	0.0766283524904215	0.0773946360153257
##	0	0	0
##	0.0781609195402299	0.0789272030651341	0.0796934865900383
##	0	0	0
##	0.0804597701149425	0.0812260536398467	0.081992337164751
##	0	0	0
##	0.0827586206896552	0.0835249042145594	0.0842911877394636
##	0	0	0
##	0.0850574712643678	0.085823754789272	0.0873563218390805
##	0	0	0
##	0.0881226053639847	0.0888888888888889	0.0896551724137931
##	0	0	0
##	0.0904214559386973	0.0911877394636015	0.0919540229885057
##	0	0	0
##	0.09272030651341	0.0934865900383142	0.0942528735632184
##	0	0	0
##	0.0957854406130268	0.096551724137931	0.0980842911877395

##	0	0	0
##	0.0996168582375479	0.100383141762452	0.101149425287356
##	0	0	0
##	0.101915708812261	0.102681992337165	0.103448275862069
##	0	0	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	0
##	0.118007662835249	0.118773946360153	0.119540229885057
##	0	0	0
##	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	0	0
##	0.135632183908046	0.137931034482759	0.142528735632184
##	0	0	0
##	0.143295019157088	0.144061302681992	0.147126436781609
##	0	0	0
##	0.149425287356322	0.150191570881226	0.154789272030651
##	0	0	0
##	0.1555555555555556	0.157088122605364	0.160153256704981
##	0	0	0
##	0.160919540229885	0.161685823754789	0.162452107279693
##	0	0	0
##	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	0
##	0.177011494252874	0.177777777777778	0.180842911877395
##	0	0	0
##	0.187739463601533	0.190038314176245	0.190804597701149
##	0	0	0
##	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	0	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
## 0.2444444444444444 0.245210727969349 0.256704980842912
##          0          0          0
## 0.259003831417625 0.262068965517241 0.266666666666667
##          0          0          0
## 0.273563218390805 0.298084291187739 0.314176245210728
##          0          0          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 0.466666666666667 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
```

```
#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)
```

```
# train the model
```

```
#na.pass(Features_Train$X0.19)
```

```
library(nlme)
```



```
#model<- train(X0.19 ~., data=Features_Train, trControl=train_control,na.action = na.pass, method="glm")
```

```
# make predictions
```

```
predictions<- predict(model,Features_Test)
```

```
## 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)
```

```
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
```

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##	29774	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29775	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29776	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29777	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29778	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29779	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29780	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29781	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29782	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29783	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29784	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29785	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29786	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29787	0.19579501	0.10024565	0.12935323	0.0568862661	
##	29788	0.19579501	0.10024565	0.12935323	0.0568862661	
##		X0.1	X0.2	X0.3	X0.4	X0.5
##	28004	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
##	28005	0.0076890218	0.0009620010	0.009968847	0.0073260073	0.39245283
##	28006	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.39564586
##	28007	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
##	28008	0.0025630073	0.0028860029	0.0000000000	0.0027472527	0.39825835
##	28009	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28010	0.0042716788	0.0004810005	0.001246106	0.0032051282	0.39622642
##	28011	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28012	0.0106791969	0.0052910053	0.008722741	0.0086996337	0.39564586
##	28013	0.0038445109	0.0043290043	0.0000000000	0.0041208791	0.39912917
##	28014	0.0273387441	0.0000000000	0.002492212	0.0283882784	0.39535559
##	28015	0.0952584366	0.0216450216	0.066666667	0.0627289377	0.37851959
##	28016	0.0119607006	0.0000000000	0.001246106	0.0128205128	0.39593614
##	28017	0.0038445109	0.0000000000	0.0000000000	0.0041208791	0.39651669
##	28018	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.39796807
##	28019	0.0222127296	0.0125060125	0.016199377	0.0141941392	0.39651669
##	28020	0.0739000427	0.0048100048	0.047352025	0.0714285714	0.37735849
##	28021	0.0200768902	0.0014430014	0.027414330	0.0201465201	0.38461538
##	28022	0.0064075182	0.0072150072	0.0000000000	0.0068681319	0.40087083
##	28023	0.0418624519	0.0000000000	0.005607477	0.0444139194	0.39390421
##	28024	0.0098248612	0.0110630111	0.0000000000	0.0105311355	0.40319303
##	28025	0.0064075182	0.0000000000	0.000623053	0.0064102564	0.39622642
##	28026	0.0192225545	0.0000000000	0.000623053	0.0206043956	0.39622642
##	28027	0.0111063648	0.0000000000	0.016199377	0.0119047619	0.38896952
##	28028	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28029	0.0093976933	0.0009620010	0.012461059	0.0100732601	0.39129173
##	28030	0.0034173430	0.0038480038	0.0000000000	0.0036630037	0.39883890
##	28031	0.0021358394	0.0004810005	0.002492212	0.0022893773	0.39564586
##	28032	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.39651669
##	28033	0.0153780436	0.0000000000	0.011838006	0.0164835165	0.39100145
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##	28035	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28036	0.0093976933	0.0105820106	0.0000000000	0.0100732601	0.40290276
##	28037	0.0145237078	0.0000000000	0.004361371	0.0155677656	0.39448476

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##	28139	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
##	28140	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28141	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28142	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28143	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28144	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.39738752
##	28145	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28146	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28147	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.39767779
##	28148	0.0038445109	0.0004810005	0.003738318	0.0036630037	0.39506531
##	28149	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28150	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28151	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28152	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28153	0.0017086715	0.0009620010	0.001246106	0.0018315018	0.39651669
##	28154	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
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##	28156	0.0025630073	0.0028860029	0.0000000000	0.0027472527	0.39825835
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##	28160	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28161	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.39593614
##	28162	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28165	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.39738752
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##	28168	0.0055531824	0.0062530063	0.0000000000	0.0059523810	0.40029028
##	28169	0.0294745835	0.0331890332	0.0000000000	0.0315934066	0.41654572
##	28170	0.1345578812	0.0389610390	0.145794393	0.1378205128	0.35210450
##	28171	0.0961127723	0.0110630111	0.125856698	0.0989010989	0.34455733
##	28172	0.0533959846	0.0216450216	0.049844237	0.0558608059	0.38635704
##	28173	0.0145237078	0.0038480038	0.016199377	0.0141941392	0.39129173
##	28174	0.0149508757	0.0019240019	0.019314642	0.0160256410	0.38867925
##	28175	0.0384451089	0.0432900433	0.0000000000	0.0412087912	0.42264151
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##	28177	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28181	0.1777018368	0.0187590188	0.234890966	0.1762820513	0.29840348
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##	28240	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.39593614
##	28241	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28242	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28244	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28245	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28247	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	28248	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28249	0.0012815036	0.0000000000	0.000623053	0.0013736264	0.39622642
##	28250	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28251	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	28252	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28253	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28254	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28255	0.0012815036	0.0000000000	0.000623053	0.0013736264	0.39622642
##	28256	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28258	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28259	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28260	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	28261	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28262	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28263	0.0004271679	0.0004810005	0.0000000000	0.0000000000	0.39680697
##	28264	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28265	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	28266	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28267	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	28268	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28269	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.39593614
##	28270	0.0004271679	0.0004810005	0.0000000000	0.0000000000	0.39680697
##	28271	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	28272	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28273	0.0089705254	0.0014430014	0.006230530	0.0073260073	0.39448476
##	28274	0.0017086715	0.0000000000	0.0000000000	0.0018315018	0.39651669
##	28275	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
##	28276	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28277	0.0025630073	0.0000000000	0.0000000000	0.0027472527	0.39651669
##	28278	0.0046988466	0.0024050024	0.003738318	0.0050366300	0.39622642
##	28279	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28280	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28281	0.0046988466	0.0052910053	0.0000000000	0.0050366300	0.39970972
##	28282	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28283	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28284	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.39738752
##	28285	0.0012815036	0.0009620010	0.000623053	0.0013736264	0.39680697
##	28286	0.0017086715	0.0004810005	0.0000000000	0.0013736264	0.39680697
##	28287	0.0252029047	0.0062530063	0.028660436	0.0270146520	0.38693759

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##	28388	0.0025630073	0.0028860029	0.0000000000	0.0027472527	0.39825835
##	28389	0.0042716788	0.0000000000	0.001869159	0.0041208791	0.39564586
##	28390	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.39738752
##	28391	0.0012815036	0.0004810005	0.001246106	0.0009157509	0.39622642
##	28392	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.39651669
##	28393	0.0059803503	0.0000000000	0.008722741	0.0064102564	0.39245283
##	28394	0.0017086715	0.0000000000	0.002492212	0.0018315018	0.39535559
##	28395	0.0042716788	0.0000000000	0.001869159	0.0045787546	0.39564586
##	28396	0.0115335327	0.0000000000	0.001246106	0.0123626374	0.39593614
##	28397	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.39564586
##	28398	0.0064075182	0.0000000000	0.001869159	0.0068681319	0.39564586
##	28399	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28400	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28401	0.0046988466	0.0009620010	0.003115265	0.0041208791	0.39564586
##	28402	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28403	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.39651669
##	28404	0.0012815036	0.0000000000	0.000623053	0.0013736264	0.39622642
##	28405	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28406	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
##	28407	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28408	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28409	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28410	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28411	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28412	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28413	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28414	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28415	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28416	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28417	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28418	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28419	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28420	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28421	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28422	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28426	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28436	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28438	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
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##	28445	0.0320375908	0.0360750361	0.0000000000	0.0343406593	0.41828737
##	28446	0.0106791969	0.0120250120	0.0000000000	0.0114468864	0.40377358
##	28447	0.3925672789	0.0447330447	0.514641745	0.4075091575	0.18374456
##	28448	0.1640324648	0.1847041847	0.0000000000	0.1758241758	0.50798258
##	28449	0.0598035028	0.0028860029	0.083489097	0.0636446886	0.35936139
##	28450	0.0375907732	0.0019240019	0.052336449	0.0393772894	0.37329463
##	28451	0.0504058095	0.0567580568	0.0000000000	0.0540293040	0.43076923
##	28452	0.4856898761	0.5468975469	0.0000000000	0.5206043956	0.72656023
##	28453	0.0085433575	0.0096200096	0.0000000000	0.0091575092	0.40232221
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##	28455	0.0243485690	0.0024050024	0.032398754	0.0256410256	0.38287373
##	28456	0.0153780436	0.0004810005	0.021806854	0.0160256410	0.38664731
##	28457	0.0200768902	0.0028860029	0.025545171	0.0215201465	0.38635704
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##	28459	0.0867150790	0.0976430976	0.0000000000	0.0929487179	0.45544267
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##	28461	0.0602306707	0.0678210678	0.0000000000	0.0645604396	0.43744557
##	28462	0.0149508757	0.0024050024	0.018691589	0.0155677656	0.38925980
##	28463	0.0431439556	0.0485810486	0.0000000000	0.0462454212	0.42583454
##	28464	0.0081161897	0.0000000000	0.011838006	0.0086996337	0.39100145
##	28465	0.0222127296	0.0043290043	0.026791277	0.0233516484	0.38664731
##	28466	0.0051260145	0.0057720058	0.0000000000	0.0054945055	0.40000000
##	28467	0.0140965399	0.0028860029	0.016822430	0.0151098901	0.39042090
##	28468	0.0307560871	0.0346320346	0.0000000000	0.0329670330	0.41741655
##	28469	0.3489961555	0.3929773930	0.0000000000	0.3740842491	0.63367199
##	28470	0.0222127296	0.0000000000	0.032398754	0.0238095238	0.38142235
##	28471	0.0205040581	0.0076960077	0.019937695	0.0215201465	0.39187228
##	28472	0.0324647587	0.0365560366	0.0000000000	0.0347985348	0.41857765
##	28473	0.0132422042	0.0149110149	0.0000000000	0.0141941392	0.40551524
##	28474	0.0055531824	0.0062530063	0.0000000000	0.0059523810	0.40029028
##	28475	0.0239214011	0.0019240019	0.032398754	0.0238095238	0.38258345
##	28476	0.0397266126	0.0447330447	0.0000000000	0.0425824176	0.42351234
##	28477	0.0162323793	0.0182780183	0.0000000000	0.0173992674	0.40754717
##	28478	0.0175138830	0.0197210197	0.0000000000	0.0187728938	0.40841800
##	28479	0.0132422042	0.0149110149	0.0000000000	0.0141941392	0.40551524
##	28480	0.0273387441	0.0307840308	0.0000000000	0.0293040293	0.41509434
##	28481	0.0299017514	0.0336700337	0.0000000000	0.0320512821	0.41683599
##	28482	0.0179410508	0.0202020202	0.0000000000	0.0192307692	0.40870827
##	28483	0.0162323793	0.0182780183	0.0000000000	0.0173992674	0.40754717
##	28484	0.0247757369	0.0278980279	0.0000000000	0.0265567766	0.41335269
##	28485	0.0059803503	0.0067340067	0.0000000000	0.0064102564	0.40058055
##	28486	0.0055531824	0.0062530063	0.0000000000	0.0059523810	0.40029028
##	28487	0.0089705254	0.0101010101	0.0000000000	0.0096153846	0.40261248

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##	28588	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	28589	0.0034173430	0.0000000000	0.0000000000	0.0036630037	0.39651669
##	28590	0.0038445109	0.0004810005	0.001869159	0.0036630037	0.39593614
##	28591	0.0042716788	0.0004810005	0.005607477	0.0045787546	0.39419448
##	28592	0.0034173430	0.0000000000	0.000623053	0.0032051282	0.39622642
##	28593	0.0158052114	0.0057720058	0.015576324	0.0164835165	0.39274311
##	28594	0.0029901751	0.0000000000	0.001869159	0.0027472527	0.39564586
##	28595	0.0098248612	0.0028860029	0.010591900	0.0077838828	0.39332366
##	28596	0.0081161897	0.0033670034	0.001869159	0.0050366300	0.39767779
##	28597	0.0170867151	0.0192400192	0.0000000000	0.0183150183	0.40812772
##	28598	0.0059803503	0.0067340067	0.0000000000	0.0064102564	0.40058055
##	28599	0.0021358394	0.0000000000	0.000623053	0.0018315018	0.39622642
##	28600	0.0042716788	0.0033670034	0.001869159	0.0045787546	0.39767779
##	28601	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.39738752
##	28602	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28603	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.39738752
##	28604	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	28605	0.0093976933	0.0105820106	0.0000000000	0.0100732601	0.40290276
##	28606	0.0021358394	0.0009620010	0.001869159	0.0022893773	0.39622642
##	28607	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.39651669
##	28608	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	28609	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.39564586
##	28610	0.0046988466	0.0004810005	0.006230530	0.0045787546	0.39390421
##	28611	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.39651669
##	28612	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	28613	0.0029901751	0.0033670034	0.0000000000	0.0032051282	0.39854862
##	28614	0.0012815036	0.0000000000	0.000623053	0.0013736264	0.39622642
##	28615	0.0046988466	0.0004810005	0.003738318	0.0041208791	0.39506531
##	28616	0.0064075182	0.0019240019	0.006853583	0.0064102564	0.39448476
##	28617	0.0025630073	0.0028860029	0.0000000000	0.0027472527	0.39825835
##	28618	0.0012815036	0.0000000000	0.000623053	0.0013736264	0.39622642
##	28619	0.0017086715	0.0000000000	0.002492212	0.0018315018	0.39535559
##	28620	0.0102520290	0.0019240019	0.004361371	0.0086996337	0.39564586
##	28621	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	28622	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.39564586
##	28623	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.39651669
##	28624	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.39738752
##	28625	0.0200768902	0.0014430014	0.027414330	0.0206043956	0.38461538
##	28626	0.0230670654	0.0057720058	0.026168224	0.0215201465	0.38780842
##	28627	0.0025630073	0.0004810005	0.001246106	0.0022893773	0.39622642
##	28628	0.0085433575	0.0076960077	0.002492212	0.0091575092	0.40000000
##	28629	0.0012815036	0.0009620010	0.000623053	0.0004578755	0.39680697
##	28630	0.0076890218	0.0048100048	0.004984424	0.0073260073	0.39709724
##	28631	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28632	0.0038445109	0.0009620010	0.001869159	0.0032051282	0.39622642
##	28633	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28634	0.0042716788	0.0004810005	0.005607477	0.0045787546	0.39419448
##	28635	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	28636	0.0209312260	0.0086580087	0.019314642	0.0192307692	0.39274311
##	28637	0.0051260145	0.0057720058	0.0000000000	0.0054945055	0.40000000

##	28638	0.0444254592	0.0192400192	0.039875389	0.0384615385	0.38955007
##	28639	0.0234942332	0.0264550265	0.000000000	0.0251831502	0.41248186
##	28640	0.0038445109	0.0004810005	0.004984424	0.0041208791	0.39448476
##	28641	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	28642	0.0388722768	0.0144300144	0.038006231	0.0352564103	0.38751814
##	28643	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.39680697
##	28644	0.0017086715	0.0000000000	0.002492212	0.0018315018	0.39535559
##	28645	0.0034173430	0.0000000000	0.001246106	0.0027472527	0.39593614
##	28646	0.0034173430	0.0038480038	0.000000000	0.0036630037	0.39883890
##	28647	0.0004271679	0.0000000000	0.000623053	0.0000000000	0.39622642
##	28648	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.39709724
##	28649	0.0392994447	0.0033670034	0.022429907	0.0361721612	0.38809869
##	28650	0.0055531824	0.0004810005	0.001869159	0.0050366300	0.39593614
##	28651	0.0081161897	0.0019240019	0.009345794	0.0068681319	0.39332366
##	28652	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.39564586
##	28653	0.0111063648	0.0000000000	0.001869159	0.0109890110	0.39564586
##	28654	0.0017086715	0.0000000000	0.000000000	0.0018315018	0.39651669
##	28655	0.0098248612	0.0024050024	0.011214953	0.0091575092	0.39274311
##	28656	0.0025630073	0.0004810005	0.003115265	0.0027472527	0.39535559
##	28657	0.0046988466	0.0052910053	0.000000000	0.0050366300	0.39970972
##	28658	0.0029901751	0.0033670034	0.000000000	0.0032051282	0.39854862
##	28659	0.0038445109	0.0043290043	0.000000000	0.0041208791	0.39912917
##	28660	0.0012815036	0.0014430014	0.000000000	0.0013736264	0.39738752
##	28661	0.0666381888	0.0115440115	0.082242991	0.0622710623	0.36516691
##	28662	0.0431439556	0.0096200096	0.050467290	0.0439560440	0.37880987
##	28663	0.0205040581	0.0230880231	0.000000000	0.0219780220	0.41044993
##	28664	0.0046988466	0.0052910053	0.000000000	0.0050366300	0.39970972
##	28665	0.0025630073	0.0000000000	0.001869159	0.0027472527	0.39564586
##	28666	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28667	0.0064075182	0.0033670034	0.004984424	0.0059523810	0.39622642
##	28668	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28669	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	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
##	28673	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28674	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28675	0.0021358394	0.0009620010	0.001246106	0.0013736264	0.39651669
##	28676	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	28677	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	28678	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28679	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28680	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28681	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28682	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28683	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28684	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	28685	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	28686	0.0012815036	0.0004810005	0.001246106	0.0009157509	0.39622642
##	28687	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669

##	28688	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28689	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28690	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28691	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28692	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
##	28693	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28694	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28695	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28696	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264
##	28697	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28698	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28699	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28700	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.39651669
##	28701	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28702	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28703	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28704	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.39593614
##	28705	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28706	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
##	28707	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28708	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28709	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28710	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28711	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28712	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28713	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.39767779
##	28714	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28715	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28716	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28717	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28718	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28719	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28720	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28721	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28722	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28723	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28724	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28725	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28726	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28727	0.0000000000	0.0000000000	0.0000000000	0.0000000	

##	28738	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28739	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28740	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28741	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28742	0.2174284494	0.0115440115	0.130841121	0.2147435897	0.34252540
##	28743	0.0034173430	0.0000000000	0.001869159	0.0036630037	0.39564586
##	28744	0.0064075182	0.0033670034	0.004984424	0.0068681319	0.39622642
##	28745	0.0183682187	0.0004810005	0.003738318	0.0183150183	0.39506531
##	28746	0.0217855617	0.0009620010	0.003738318	0.0219780220	0.39535559
##	28747	0.0973942760	0.1096681097	0.0000000000	0.1043956044	0.46269956
##	28748	0.0632208458	0.0711880712	0.0000000000	0.0677655678	0.43947750
##	28749	0.0431439556	0.0052910053	0.024922118	0.0402930403	0.38809869
##	28750	0.0324647587	0.0365560366	0.0000000000	0.0347985348	0.41857765
##	28751	0.2507475438	0.0076960077	0.059813084	0.2449633700	0.37329463
##	28752	0.0064075182	0.0072150072	0.0000000000	0.0068681319	0.40087083
##	28753	0.3447244767	0.0115440115	0.066043614	0.3099816850	0.37271408
##	28754	0.2733874413	0.0254930255	0.068535826	0.2500000000	0.37997097
##	28755	0.0093976933	0.0004810005	0.000623053	0.0096153846	0.39651669
##	28756	0.1217428449	0.0303030303	0.138317757	0.1217948718	0.35036284
##	28757	0.0572404955	0.0163540164	0.062305296	0.0499084249	0.37735849
##	28758	0.0093976933	0.0024050024	0.001246106	0.0077838828	0.39738752
##	28759	0.0025630073	0.0028860029	0.0000000000	0.0027472527	0.39825835
##	28760	0.0884237505	0.0995670996	0.0000000000	0.0947802198	0.45660377
##	28761	0.0145237078	0.0000000000	0.003738318	0.0141941392	0.39477504
##	28762	0.0239214011	0.0048100048	0.028660436	0.0224358974	0.38606676
##	28763	0.0401537804	0.0086580087	0.047352025	0.0412087912	0.37968070
##	28764	0.1072191371	0.1207311207	0.0000000000	0.1149267399	0.46937591
##	28765	0.0277659120	0.0057720058	0.033021807	0.0270146520	0.38461538
##	28766	0.0234942332	0.0264550265	0.0000000000	0.0251831502	0.41248186
##	28767	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28768	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28769	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
##	28770	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28771	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28772	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28773	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28774	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28775	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28776	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28777	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28778	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28779	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28780	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28781	0.0008543358	0.0004810005	0.000623053	0.0004578755	0.39651669
##	28782	0.0046988466	0.0028860029	0.003115265	0.0022893773	0.39680697
##	28783	0.1900897053	0.2140452140	0.0000000000	0.2037545788	0.52568940
##	28784	0.0183682187	0.0000000000	0.006230530	0.0187728938	0.39361393
##	28785	0.0790260572	0.0014430014	0.011214953	0.0815018315	0.39216255
##	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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##	28888	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28889	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28891	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28892	0.0196497223	0.0072150072	0.019314642	0.0206043956	0.39187228
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##	28894	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.39767779
##	28895	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28896	0.0017086715	0.0000000000	0.0000000000	0.0018315018	0.39651669
##	28897	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28898	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28899	0.0025630073	0.0009620010	0.002492212	0.0027472527	0.39593614
##	28900	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28901	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.39593614
##	28902	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.39564586
##	28903	0.0021358394	0.0009620010	0.001869159	0.0013736264	0.39622642
##	28904	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28905	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	28906	0.1337035455	0.1505531506	0.0000000000	0.1433150183	0.48737300
##	28907	0.0029901751	0.0004810005	0.000623053	0.0027472527	0.39651669
##	28908	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28909	0.0034173430	0.0004810005	0.0000000000	0.0032051282	0.39680697
##	28910	0.0038445109	0.0004810005	0.003115265	0.0032051282	0.39535559
##	28911	0.0008543358	0.0004810005	0.000623053	0.0000000000	0.39651669
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##	28913	0.0025630073	0.0009620010	0.002492212	0.0018315018	0.39593614
##	28914	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	28915	0.0029901751	0.0033670034	0.0000000000	0.0032051282	0.39854862
##	28916	0.0076890218	0.0019240019	0.001869159	0.0064102564	0.39680697
##	28917	0.0132422042	0.0057720058	0.011838006	0.0141941392	0.39448476
##	28918	0.0029901751	0.0000000000	0.004361371	0.0032051282	0.39448476
##	28919	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28920	0.0012815036	0.0000000000	0.0000000000	0.0013736264	0.39651669
##	28921	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28922	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28923	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28924	0.0017086715	0.0014430014	0.000623053	0.0018315018	0.39709724
##	28925	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	28926	0.0059803503	0.0000000000	0.001246106	0.0064102564	0.39593614
##	28927	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.39593614
##	28928	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28930	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	28933	0.0093976933	0.0004810005	0.013084112	0.0096153846	0.39071118
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##	28937	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669

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##	28988	0.0051260145	0.0057720058	0.000000000	0.0054945055	0.40000000
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##	28990	0.0055531824	0.0062530063	0.000000000	0.0059523810	0.40029028
##	28991	0.0017086715	0.0009620010	0.001246106	0.0013736264	0.39651669
##	28992	0.0038445109	0.0014430014	0.003738318	0.0041208791	0.39564586
##	28993	0.0098248612	0.0110630111	0.000000000	0.0105311355	0.40319303
##	28994	0.0422896198	0.0019240019	0.010591900	0.0412087912	0.39274311
##	28995	0.0226398975	0.0254930255	0.000000000	0.0242673993	0.41190131
##	28996	0.0269115762	0.0009620010	0.006853583	0.0270146520	0.39390421
##	28997	0.0354549338	0.0399230399	0.000000000	0.0380036630	0.42060958
##	28998	0.0290474156	0.0096200096	0.029906542	0.0306776557	0.38838897
##	28999	0.0486971380	0.0182780183	0.047352025	0.0476190476	0.38548621
##	29000	0.0136693721	0.0153920154	0.000000000	0.0146520147	0.40580552
##	29001	0.0598035028	0.0038480038	0.016822430	0.0576923077	0.39100145
##	29002	0.0538231525	0.0606060606	0.000000000	0.0576923077	0.43309144
##	29003	0.0294745835	0.0009620010	0.006230530	0.0288461538	0.39419448
##	29004	0.0670653567	0.0153920154	0.077881620	0.0700549451	0.36952104
##	29005	0.0081161897	0.0091390091	0.000000000	0.0086996337	0.40203193
##	29006	0.0516873131	0.0582010582	0.000000000	0.0554029304	0.43164006
##	29007	0.0320375908	0.0091390091	0.034890966	0.0329670330	0.38577649
##	29008	0.0422896198	0.0182780183	0.038006231	0.0416666667	0.38984035
##	29009	0.0081161897	0.0033670034	0.007476636	0.0082417582	0.39506531
##	29010	0.0657838531	0.0740740741	0.000000000	0.0705128205	0.44121916
##	29011	0.0068346860	0.0076960077	0.000000000	0.0073260073	0.40116110
##	29012	0.0093976933	0.0004810005	0.013084112	0.0096153846	0.39071118
##	29013	0.0119607006	0.0134680135	0.000000000	0.0128205128	0.40464441
##	29014	0.0017086715	0.0019240019	0.000000000	0.0018315018	0.39767779
##	29015	0.0038445109	0.0009620010	0.004361371	0.0036630037	0.39506531
##	29016	0.0226398975	0.0254930255	0.000000000	0.0242673993	0.41190131
##	29017	0.0183682187	0.0000000000	0.004361371	0.0173992674	0.39448476
##	29018	0.0025630073	0.0028860029	0.000000000	0.0027472527	0.39825835
##	29019	0.0046988466	0.0052910053	0.000000000	0.0050366300	0.39970972
##	29020	0.0158052114	0.0072150072	0.013707165	0.0169413919	0.39448476
##	29021	0.3554036736	0.4001924002	0.000000000	0.3809523810	0.63802612
##	29022	0.0909867578	0.0019240019	0.011214953	0.0929487179	0.39245283
##	29023	0.1640324648	0.0062530063	0.023676012	0.1575091575	0.38925980
##	29024	0.0132422042	0.0149110149	0.000000000	0.0141941392	0.40551524
##	29025	0.0367364374	0.0028860029	0.009345794	0.0352564103	0.39390421
##	29026	0.2003417343	0.0110630111	0.079750779	0.1968864469	0.36603774
##	29027	0.0051260145	0.0014430014	0.005607477	0.0050366300	0.39477504
##	29028	0.0610850064	0.0687830688	0.000000000	0.0654761905	0.43802612
##	29029	0.0166595472	0.0004810005	0.006230530	0.0164835165	0.39390421
##	29030	0.0226398975	0.0091390091	0.021183801	0.0215201465	0.39216255
##	29031	0.2212729603	0.0471380471	0.261682243	0.2216117216	0.30304790
##	29032	0.0209312260	0.0235690236	0.000000000	0.0224358974	0.41074020
##	29033	0.0931225972	0.0033670034	0.016822430	0.0888278388	0.39071118
##	29034	0.0448526271	0.0505050505	0.000000000	0.0480769231	0.42699565
##	29035	0.0153780436	0.0014430014	0.001869159	0.0151098901	0.39651669
##	29036	0.1114908159	0.0019240019	0.020560748	0.1034798535	0.38809869
##	29037	0.0166595472	0.0187590188	0.000000000	0.0178571429	0.40783745

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##	29088	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	29089	0.0021358394	0.0000000000	0.003115265	0.0022893773	0.39506531
##	29090	0.0072618539	0.0009620010	0.009345794	0.0077838828	0.39274311
##	29091	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
##	29092	0.0021358394	0.0004810005	0.001869159	0.0018315018	0.39593614
##	29093	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	29094	0.0128150363	0.0009620010	0.001246106	0.0119047619	0.39651669
##	29095	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29096	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	29097	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	29098	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
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##	29100	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
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##	29102	0.0042716788	0.0048100048	0.0000000000	0.0045787546	0.39941945
##	29103	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.39738752
##	29104	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	29105	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29106	0.0029901751	0.0000000000	0.001246106	0.0027472527	0.39593614
##	29107	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29108	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.39651669
##	29109	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29110	0.0046988466	0.0052910053	0.0000000000	0.0050366300	0.39970972
##	29111	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29112	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	29113	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29114	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29115	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	29116	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	29117	0.0017086715	0.0004810005	0.001246106	0.0013736264	0.39622642
##	29118	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.39796807
##	29119	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.39593614
##	29120	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	29121	0.0029901751	0.0000000000	0.001869159	0.0022893773	0.39564586
##	29122	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.39796807
##	29123	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29124	0.0029901751	0.0009620010	0.003115265	0.0032051282	0.39564586
##	29125	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29126	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.39738752
##	29127	0.0017086715	0.0004810005	0.001869159	0.0013736264	0.39593614
##	29128	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	29129	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29130	0.0034173430	0.0014430014	0.003115265	0.0036630037	0.39593614
##	29131	0.0034173430	0.0038480038	0.0000000000	0.0036630037	0.39883890
##	29132	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	29133	0.0029901751	0.0014430014	0.002492212	0.0032051282	0.39622642
##	29134	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29135	0.0093976933	0.0014430014	0.011838006	0.0096153846	0.39187228
##	29136	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.39680697
##	29137	0.0140965399	0.0004810005	0.009345794	0.0141941392	0.39245283

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##	29188	0.0017086715	0.0019240019	0.000000000	0.0018315018	0.39767779
##	29189	0.0017086715	0.0004810005	0.000000000	0.0013736264	0.39680697
##	29190	0.0021358394	0.0004810005	0.002492212	0.0018315018	0.39564586
##	29191	0.0081161897	0.0000000000	0.000623053	0.0086996337	0.39622642
##	29192	0.0081161897	0.0000000000	0.000623053	0.0086996337	0.39622642
##	29193	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.39709724
##	29194	0.0021358394	0.0014430014	0.001246106	0.0022893773	0.39680697
##	29195	0.0012815036	0.0004810005	0.000000000	0.0009157509	0.39680697
##	29196	0.0042716788	0.0000000000	0.000000000	0.0045787546	0.39651669
##	29197	0.0017086715	0.0000000000	0.002492212	0.0018315018	0.39535559
##	29198	0.0021358394	0.0000000000	0.000000000	0.0022893773	0.39651669
##	29199	0.0025630073	0.0000000000	0.000000000	0.0027472527	0.39651669
##	29200	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.39709724
##	29201	0.0046988466	0.0052910053	0.000000000	0.0050366300	0.39970972
##	29202	0.0093976933	0.0014430014	0.011838006	0.0100732601	0.39187228
##	29203	0.0098248612	0.0004810005	0.013707165	0.0105311355	0.39042090
##	29204	0.0046988466	0.0000000000	0.000000000	0.0050366300	0.39651669
##	29205	0.0064075182	0.0072150072	0.000000000	0.0068681319	0.40087083
##	29206	0.0064075182	0.0000000000	0.002492212	0.0068681319	0.39535559
##	29207	0.0008543358	0.0000000000	0.000000000	0.0009157509	0.39651669
##	29208	0.0025630073	0.0009620010	0.000623053	0.0018315018	0.39680697
##	29209	0.0068346860	0.0076960077	0.000000000	0.0073260073	0.40116110
##	29210	0.0089705254	0.0000000000	0.003115265	0.0086996337	0.39506531
##	29211	0.0008543358	0.0004810005	0.000623053	0.0009157509	0.39651669
##	29212	0.0034173430	0.0000000000	0.000000000	0.0036630037	0.39651669
##	29213	0.0034173430	0.0000000000	0.000000000	0.0036630037	0.39651669
##	29214	0.0034173430	0.0033670034	0.000623053	0.0036630037	0.39825835
##	29215	0.0106791969	0.0000000000	0.000623053	0.0109890110	0.39622642
##	29216	0.0059803503	0.0067340067	0.000000000	0.0064102564	0.40058055
##	29217	0.0051260145	0.0000000000	0.001246106	0.0054945055	0.39593614
##	29218	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.39622642
##	29219	0.0042716788	0.0048100048	0.000000000	0.0045787546	0.39941945
##	29220	0.0064075182	0.0000000000	0.000623053	0.0064102564	0.39622642
##	29221	0.0025630073	0.0028860029	0.000000000	0.0027472527	0.39825835
##	29222	0.0115335327	0.0129870130	0.000000000	0.0123626374	0.40435414
##	29223	0.0068346860	0.0076960077	0.000000000	0.0073260073	0.40116110
##	29224	0.0034173430	0.0038480038	0.000000000	0.0036630037	0.39883890
##	29225	0.0038445109	0.0000000000	0.005607477	0.0041208791	0.39390421
##	29226	0.0072618539	0.0004810005	0.009968847	0.0077838828	0.39216255
##	29227	0.0029901751	0.0004810005	0.001246106	0.0022893773	0.39622642
##	29228	0.0008543358	0.0000000000	0.000000000	0.0009157509	0.39651669
##	29229	0.0055531824	0.0033670034	0.003738318	0.0059523810	0.39680697
##	29230	0.0072618539	0.0000000000	0.001246106	0.0073260073	0.39593614
##	29231	0.0012815036	0.0000000000	0.000623053	0.0009157509	0.39622642
##	29232	0.0012815036	0.0014430014	0.000000000	0.0013736264	0.39738752
##	29233	0.0034173430	0.0000000000	0.000000000	0.0036630037	0.39651669
##	29234	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.39651669
##	29235	0.0021358394	0.0024050024	0.000000000	0.0000000000	0.39796807
##	29236	0.0025630073	0.0028860029	0.000000000	0.0027472527	0.39825835
##	29237	0.0111063648	0.0009620010	0.014953271	0.0119047619	0.39013062

##	29238	0.0042716788	0.0000000000	0.000623053	0.0045787546	0.39622642
##	29239	0.0093976933	0.0019240019	0.011214953	0.0100732601	0.39245283
##	29240	0.0243485690	0.0019240019	0.033021807	0.0242673993	0.38229318
##	29241	0.0055531824	0.0062530063	0.0000000000	0.0059523810	0.40029028
##	29242	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.39651669
##	29243	0.0093976933	0.0000000000	0.001869159	0.0091575092	0.39564586
##	29244	0.0029901751	0.0033670034	0.0000000000	0.0032051282	0.39854862
##	29245	0.0196497223	0.0024050024	0.025545171	0.0206043956	0.38606676
##	29246	0.0055531824	0.0062530063	0.0000000000	0.0059523810	0.40029028
##	29247	0.0234942332	0.0000000000	0.006853583	0.0238095238	0.39332366
##	29248	0.0038445109	0.0004810005	0.004984424	0.0036630037	0.39448476
##	29249	0.0102520290	0.0004810005	0.002492212	0.0091575092	0.39564586
##	29250	0.0179410508	0.0004810005	0.003115265	0.0183150183	0.39535559
##	29251	0.0029901751	0.0033670034	0.0000000000	0.0032051282	0.39854862
##	29252	0.0183682187	0.0139490139	0.008722741	0.0196886447	0.40087083
##	29253	0.0021358394	0.0004810005	0.002492212	0.0018315018	0.39564586
##	29254	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.39796807
##	29255	0.0055531824	0.0062530063	0.0000000000	0.0059523810	0.40029028
##	29256	0.0132422042	0.0149110149	0.0000000000	0.0141941392	0.40551524
##	29257	0.0042716788	0.0009620010	0.004984424	0.0045787546	0.39477504
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##	29262	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.39796807
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##	29264	0.0119607006	0.0043290043	0.011838006	0.0123626374	0.39361393
##	29265	0.0115335327	0.0004810005	0.001246106	0.0114468864	0.39622642
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##	29290	0.0059803503	0.0004810005	0.000623053	0.0054945055	0.39651669
##	29291	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.39709724
##	29292	0.0042716788	0.0000000000	0.003738318	0.0036630037	0.39477504
##	29293	0.0081161897	0.0004810005	0.0000000000	0.0082417582	0.39680697
##	29294	0.0042716788	0.0048100048	0.0000000000	0.0045787546	0.39941945
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29710 0.0324647587 0.0062530063 0.039252336 0.0334249084 0.38200290
29711 0.0328919265 0.0004810005 0.020560748 0.0334249084 0.38722787
29712 0.0158052114 0.0004810005 0.006230530 0.0160256410 0.39390421
29713 0.0111063648 0.0024050024 0.013084112 0.0109890110 0.39187228
29714 0.0367364374 0.0033670034 0.049221184 0.0361721612 0.37561684
29715 0.0200768902 0.0009620010 0.008099688 0.0187728938 0.39332366
29716 0.0098248612 0.0110630111 0.000000000 0.0105311355 0.40319303
29717 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
29718 0.0529688167 0.0596440596 0.000000000 0.0567765568 0.43251089
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29720 0.0128150363 0.0000000000 0.011838006 0.0137362637 0.39100145
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29726 0.0029901751 0.0004810005 0.003738318 0.0027472527 0.39506531
29727 0.0205040581 0.0230880231 0.000000000 0.0219780220 0.41044993
29728 0.0136693721 0.0057720058 0.012461059 0.0132783883 0.39419448
29729 0.0123878684 0.0000000000 0.003115265 0.0128205128 0.39506531
29730 0.0000000000 0.0000000000 0.000000000 0.0000000000 0.39651669
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29733 0.0269115762 0.0009620010 0.038006231 0.0283882784 0.37939042
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29759 0.1375480564 0.0048100048 0.109034268 0.1382783883 0.34862119
29760 0.0222127296 0.0250120250 0.000000000 0.0238095238 0.41161103
29761 0.0119607006 0.0134680135 0.000000000 0.0128205128 0.40464441
29762 0.0059803503 0.0000000000 0.000000000 0.0064102564 0.39651669
29763 0.0192225545 0.0004810005 0.001869159 0.0201465201 0.39593614
29764 0.0324647587 0.0365560366 0.000000000 0.0347985348 0.41857765
29765 0.0029901751 0.0004810005 0.003738318 0.0032051282 0.39506531
29766 0.0076890218 0.0028860029 0.007476636 0.0073260073 0.39477504
29767 0.0179410508 0.0000000000 0.006853583 0.0183150183 0.39332366
29768 0.0046988466 0.0004810005 0.006230530 0.0050366300 0.39390421
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29772 0.0102520290 0.0115440115 0.000000000 0.0109890110 0.40348331
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29776 0.0136693721 0.0096200096 0.007476636 0.0128205128 0.39883890
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29778 0.0085433575 0.0096200096 0.000000000 0.0091575092 0.40232221
29779 0.0192225545 0.0000000000 0.001869159 0.0206043956 0.39564586
29780 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
29781 0.0252029047 0.0062530063 0.028660436 0.0256410256 0.38693759
29782 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
29783 0.0102520290 0.0000000000 0.003738318 0.0105311355 0.39477504
29784 0.0230670654 0.0000000000 0.006853583 0.0228937729 0.39332366
29785 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
29786 0.0123878684 0.0019240019 0.015576324 0.0114468864 0.39042090
29787 0.0431439556 0.0004810005 0.006230530 0.0453296703 0.39390421

##	29788	0.0021358394	0.0024050024	0.0000000000	0.0022893773	0.39796807			
##		X65	X166	X2	X0.6	X24	X0.7	X0.8	X0.9
##	28004	1.00000000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28005	0.66666667	1.405959e-02	8.283917e-05	NaN	1.00000000	0	0	0
##	28006	0.47222222	2.174115e-02	1.449686e-04	NaN	1.00000000	0	0	0
##	28007	0.88888889	1.904097e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28008	0.26388889	1.750466e-02	0.000000e+00	NaN	1.00000000	1	0	0
##	28009	0.31944444	1.359404e-02	2.070979e-05	NaN	1.00000000	1	0	0
##	28010	1.00000000	2.039106e-02	2.761306e-05	NaN	1.00000000	0	1	0
##	28011	0.06944444	4.702048e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28012	0.51388889	2.583799e-02	4.210991e-04	NaN	1.00000000	0	0	1
##	28013	0.05555556	1.671322e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28014	0.79166667	2.211359e-02	5.936808e-04	NaN	1.00000000	0	0	0
##	28015	0.80555556	4.562384e-02	1.154226e-02	NaN	1.00000000	0	0	0
##	28016	0.84722222	1.932030e-02	3.589698e-04	NaN	1.00000000	0	0	0
##	28017	0.95833333	1.894786e-02	3.037436e-04	NaN	1.00000000	0	0	0
##	28018	0.09722222	1.955307e-02	0.000000e+00	NaN	1.00000000	1	0	0
##	28019	0.48611111	2.169460e-02	1.380653e-03	NaN	1.00000000	0	1	0
##	28020	0.76388889	5.074488e-02	8.283917e-04	NaN	1.00000000	0	0	1
##	28021	0.66666667	5.870577e-02	9.871668e-04	NaN	1.00000000	0	0	0
##	28022	0.18055556	5.959032e-02	1.311620e-04	NaN	1.00000000	0	0	0
##	28023	0.84722222	5.158287e-02	5.591644e-04	NaN	1.00000000	0	0	0
##	28024	0.22222222	9.906890e-02	3.520665e-04	NaN	1.00000000	0	0	0
##	28025	0.95833333	2.811918e-02	1.863881e-04	NaN	1.00000000	0	0	0
##	28026	0.95833333	5.293296e-02	4.141959e-04	NaN	1.00000000	0	0	0
##	28027	0.62500000	2.160149e-02	1.173555e-04	NaN	1.00000000	0	0	0
##	28028	0.77777778	4.795158e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28029	0.41666667	1.866853e-02	6.903265e-06	NaN	1.00000000	1	0	0
##	28030	0.02777778	8.608007e-02	9.664570e-05	NaN	1.00000000	1	0	0
##	28031	0.44444444	3.542831e-02	2.070979e-05	NaN	1.00000000	0	1	0
##	28032	0.75000000	1.340782e-02	6.903265e-06	NaN	1.00000000	0	1	0
##	28033	0.75000000	3.514898e-02	2.623241e-04	NaN	1.00000000	0	0	1
##	28034	0.04166667	1.769088e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28035	0.00000000	1.615456e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28036	0.08333333	5.716946e-02	2.416143e-04	NaN	1.00000000	0	0	0
##	28037	0.84722222	1.838920e-02	2.968404e-04	NaN	1.00000000	0	0	0
##	28038	0.54166667	1.066108e-02	9.664570e-05	NaN	1.00000000	0	0	0
##	28039	0.15277778	1.461825e-02	2.070979e-05	NaN	1.00000000	0	0	1
##	28040	0.54166667	7.867784e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28041	0.95833333	1.084730e-02	2.761306e-05	NaN	1.00000000	0	0	0
##	28042	0.73611111	1.061453e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28043	0.44444444	4.655493e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28044	0.69444444	2.085661e-02	3.520665e-04	NaN	1.00000000	0	0	0
##	28045	0.52777778	1.382682e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28046	0.75000000	2.183426e-02	3.865828e-04	NaN	1.00000000	0	0	0
##	28047	0.58333333	6.890130e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28048	0.59722222	5.214153e-03	1.035490e-04	NaN	1.00000000	1	0	0
##	28049	0.11111111	1.391993e-02	1.290910e-03	NaN	1.00000000	1	0	0
##	28050	0.34722222	3.291434e-02	3.175502e-04	NaN	1.00000000	0	1	0
##	28051	0.15277778	4.934823e-03	1.311620e-04	NaN	1.00000000	0	0	1

##	28052	0.23611111	4.283054e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28053	0.45833333	3.491620e-03	1.035490e-04	NaN	1.00000000	0	0	1
##	28054	0.33333333	2.313780e-02	5.957517e-03	NaN	1.00000000	0	0	0
##	28055	0.90277778	4.515829e-03	2.070979e-04	NaN	1.00000000	0	0	0
##	28056	0.93055556	1.955307e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	28057	0.11111111	5.856611e-02	2.278077e-04	NaN	1.00000000	0	0	0
##	28058	0.95833333	1.955307e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	28059	0.61111111	2.700186e-03	1.932914e-04	NaN	1.00000000	0	0	0
##	28060	0.72222222	5.540037e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28061	0.81944444	7.402235e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	28062	0.84722222	2.085661e-02	8.974244e-05	NaN	1.00000000	0	0	0
##	28063	0.25000000	9.962756e-03	8.974244e-05	NaN	1.00000000	0	0	0
##	28064	0.11111111	1.848231e-02	0.000000e+00	NaN	1.00000000	1	0	0
##	28065	0.68055556	3.817505e-03	2.070979e-05	NaN	1.00000000	1	0	0
##	28066	0.33333333	4.259777e-02	1.104522e-04	NaN	1.00000000	0	1	0
##	28067	0.15277778	1.275605e-02	1.380653e-05	NaN	1.00000000	0	1	0
##	28068	0.79166667	2.811918e-02	6.903265e-05	NaN	1.00000000	0	0	1
##	28069	0.69444444	3.491620e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28070	1.00000000	1.056797e-02	2.070979e-05	NaN	1.00000000	0	0	0
##	28071	0.05555556	1.135940e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	28072	0.30555556	1.000931e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28073	0.76388889	1.922719e-02	2.070979e-05	NaN	1.00000000	0	0	0
##	28074	0.12500000	2.406890e-02	8.974244e-05	NaN	1.00000000	1	0	0
##	28075	0.90277778	2.057728e-02	2.761306e-05	NaN	1.00000000	0	1	0
##	28076	0.33333333	1.028864e-02	6.903265e-05	NaN	1.00000000	0	0	1
##	28077	0.69444444	7.774674e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28078	0.47222222	5.726257e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28079	0.66666667	6.703911e-03	9.664570e-05	NaN	1.00000000	0	0	0
##	28080	0.66666667	1.694600e-02	0.000000e+00	NaN	1.00000000	1	0	0
##	28081	0.98611111	1.354749e-02	0.000000e+00	NaN	1.00000000	1	0	0
##	28082	0.56944444	1.899441e-02	2.761306e-05	NaN	1.00000000	0	1	0
##	28083	0.12500000	1.513035e-02	8.283917e-05	NaN	1.00000000	0	0	1
##	28084	0.90277778	8.752328e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28085	0.70833333	7.216015e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28086	0.04166667	1.801676e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28087	0.26388889	1.443203e-02	6.903265e-05	NaN	1.00000000	0	0	0
##	28088	0.84722222	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28089	0.23611111	2.462756e-02	2.070979e-05	NaN	1.00000000	0	0	0
##	28090	0.76388889	9.264432e-03	1.380653e-05	NaN	1.00000000	0	0	1
##	28091	0.62500000	1.070764e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28092	1.00000000	4.702048e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28093	0.02777778	4.618250e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28094	0.16666667	8.845438e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28095	0.88888889	9.776536e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28096	0.79166667	9.357542e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28097	0.09722222	1.643389e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28098	0.81944444	2.560521e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28099	0.40277778	5.586592e-04	6.903265e-06	NaN	1.00000000	0	0	1
##	28100	0.75000000	0.000000e+00	6.903265e-05	NaN	1.00000000	0	0	0
##	28101	0.72222222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0

##	28102	0.20833333	9.771881e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28103	0.65277778	6.317505e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28104	0.16666667	1.163873e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28105	0.81944444	7.029795e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28106	0.16666667	1.443203e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28107	0.72222222	3.351955e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28108	0.05555556	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28109	0.98611111	8.379888e-04	0.000000e+00	NaN	1.00000000	0	0	0
##	28110	1.00000000	1.955307e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28111	0.00000000	1.261639e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28112	0.11111111	1.303538e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28113	0.80555556	8.379888e-04	0.000000e+00	NaN	1.00000000	0	1	0
##	28114	0.80555556	8.379888e-04	0.000000e+00	NaN	1.00000000	0	0	0
##	28115	0.55555556	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28116	0.33333333	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28117	0.70833333	9.310987e-04	1.380653e-05	NaN	1.00000000	0	0	0
##	28118	0.51388889	2.839851e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28119	0.34722222	3.677840e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28120	0.11111111	7.448790e-04	0.000000e+00	NaN	1.00000000	0	0	0
##	28121	0.20833333	2.839851e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28122	0.37500000	1.121974e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28123	0.69444444	7.448790e-04	0.000000e+00	NaN	1.00000000	0	0	0
##	28124	0.58333333	1.303538e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28125	0.72222222	7.122905e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28126	0.73611111	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28127	0.22222222	4.134078e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28128	0.13888889	5.041899e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28129	0.69444444	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28130	0.37500000	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28131	0.36111111	5.535382e-02	6.903265e-06	NaN	1.00000000	0	0	1
##	28132	0.25000000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28133	0.23611111	3.361266e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	28134	0.93055556	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28135	0.27777778	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28136	0.59722222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28137	0.50000000	1.396648e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28138	0.76388889	4.283054e-03	1.380653e-05	NaN	1.00000000	0	0	1
##	28139	0.84722222	5.307263e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28140	0.25000000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28141	0.54166667	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
##	28142	0.04166667	2.402235e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28143	0.34722222	2.653631e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28144	0.31944444	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	1
##	28145	0.83333333	2.327747e-04	0.000000e+00	NaN	1.00000000	0	0	1
##	28146	0.75000000	1.517691e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28147	0.48611111	8.659218e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28148	0.97222222	2.234637e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28149	1.00000000	3.119181e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28150	0.00000000	5.772812e-03	8.974244e-05	NaN	1.00000000	0	0	0
##	28151	0.58333333	0.000000e+00	1.380653e-05	NaN	1.00000000	0	0	1

##	28152	0.05555556	1.536313e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28153	0.61111111	8.845438e-04	6.903265e-06	NaN	1.00000000	0	0	1
##	28154	0.79166667	2.411546e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28155	0.31944444	1.080074e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	28156	0.12500000	3.119181e-03	6.903265e-06	NaN	1.00000000	0	1	0
##	28157	0.84722222	0.000000e+00	6.903265e-06	NaN	1.00000000	0	1	0
##	28158	0.84722222	1.755121e-02	6.903265e-06	NaN	1.00000000	0	1	0
##	28159	0.31944444	3.957169e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28160	1.00000000	2.001862e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28161	0.43055556	1.452514e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28162	0.87500000	1.736499e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28163	1.00000000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	1
##	28164	0.04166667	1.163873e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28165	0.31944444	1.629423e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28166	0.13888889	1.722533e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28167	0.25000000	7.355680e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	28168	0.08333333	6.517691e-03	2.761306e-04	NaN	1.00000000	1	0	0
##	28169	0.23611111	8.426443e-03	3.451632e-04	NaN	1.00000000	0	1	0
##	28170	0.45833333	1.345438e-02	1.380653e-04	NaN	1.00000000	0	0	0
##	28171	0.56944444	8.891993e-03	1.932914e-04	NaN	1.00000000	0	0	0
##	28172	0.48611111	1.298883e-02	5.591644e-04	NaN	1.00000000	0	1	0
##	28173	0.45833333	1.550279e-02	1.636074e-03	NaN	1.00000000	0	0	0
##	28174	0.44444444	2.700186e-03	4.280024e-04	NaN	1.00000000	0	0	0
##	28175	0.05555556	5.353818e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	28176	0.73611111	2.607076e-03	2.864855e-03	NaN	1.00000000	0	0	0
##	28177	0.00000000	1.233706e-02	2.070979e-04	NaN	1.00000000	0	0	1
##	28178	0.01388889	8.798883e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28179	0.73611111	5.446927e-03	2.761306e-05	NaN	1.00000000	1	0	0
##	28180	0.94444444	5.167598e-03	3.451632e-05	NaN	1.00000000	0	0	1
##	28181	0.63888889	8.659218e-03	1.725816e-04	NaN	1.00000000	0	0	0
##	28182	0.87500000	4.888268e-03	1.656783e-04	NaN	1.00000000	0	0	0
##	28183	0.43055556	4.934823e-03	3.037436e-04	NaN	1.00000000	0	0	0
##	28184	0.51388889	7.262570e-03	1.311620e-04	NaN	1.00000000	1	0	0
##	28185	0.43055556	0.000000e+00	2.761306e-05	NaN	1.00000000	0	0	0
##	28186	0.86111111	4.655493e-03	2.968404e-04	NaN	1.00000000	0	0	0
##	28187	0.40277778	5.214153e-03	2.140012e-04	NaN	1.00000000	0	0	0
##	28188	0.52777778	7.495345e-03	3.451632e-05	NaN	1.00000000	0	0	1
##	28189	0.95833333	0.000000e+00	1.725816e-04	NaN	1.00000000	0	0	0
##	28190	0.01388889	4.422719e-03	1.794849e-04	NaN	1.00000000	1	0	0
##	28191	0.36111111	7.821229e-03	3.520665e-04	NaN	1.00000000	0	0	1
##	28192	0.41666667	1.610801e-02	8.974244e-05	NaN	1.00000000	0	0	0
##	28193	0.50000000	7.681564e-03	8.974244e-05	NaN	1.00000000	0	0	0
##	28194	0.54166667	8.845438e-04	6.903265e-06	NaN	1.00000000	0	0	1
##	28195	0.51388889	5.679702e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28196	0.55555556	5.679702e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28197	0.44444444	6.517691e-03	1.449686e-04	NaN	1.00000000	0	0	0
##	28198	0.44444444	8.426443e-03	3.589698e-04	NaN	1.00000000	0	0	0
##	28199	0.94444444	8.193669e-03	1.242588e-04	NaN	1.00000000	1	0	0
##	28200	0.55555556	3.212291e-03	1.587751e-04	NaN	1.00000000	0	1	0
##	28201	0.38888889	4.329609e-03	0.000000e+00	NaN	1.00000000	0	0	0

##	28202	0.38888889	5.446927e-03	1.380653e-05	NaN	1.00000000	1	0	0
##	28203	0.65277778	1.308194e-02	1.380653e-05	NaN	1.00000000	1	0	0
##	28204	0.20833333	9.310987e-04	0.000000e+00	NaN	1.00000000	0	0	1
##	28205	0.16666667	1.657356e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28206	0.87500000	1.601490e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28207	0.16666667	1.638734e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	28208	0.83333333	3.538175e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28209	0.98611111	1.373371e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28210	0.63888889	1.345438e-02	2.070979e-05	NaN	1.00000000	0	0	1
##	28211	1.00000000	7.821229e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28212	0.48611111	1.196462e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	28213	0.69444444	9.310987e-04	0.000000e+00	NaN	1.00000000	0	0	1
##	28214	0.86111111	1.475791e-02	6.903265e-05	NaN	1.00000000	0	1	0
##	28215	0.45833333	1.955307e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28216	0.27777778	1.163873e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28217	0.13888889	1.201117e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28218	0.25000000	1.545624e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28219	0.37500000	8.845438e-03	6.903265e-05	NaN	1.00000000	0	1	0
##	28220	0.83333333	9.310987e-04	6.903265e-06	NaN	1.00000000	0	0	0
##	28221	0.79166667	1.815642e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28222	0.87500000	1.568901e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28223	0.81944444	1.783054e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28224	0.88888889	3.445065e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28225	0.30555556	3.305400e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28226	0.59722222	1.899441e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28227	0.63888889	4.608939e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28228	0.16666667	1.694600e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28229	0.70833333	2.332402e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28230	0.11111111	9.031657e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28231	0.95833333	1.489758e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28232	0.43055556	4.236499e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28233	0.33333333	5.074488e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28234	0.43055556	7.635009e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28235	0.58333333	1.005587e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28236	0.77777778	5.586592e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28237	0.13888889	7.029795e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28238	0.83333333	0.000000e+00	1.380653e-05	NaN	1.00000000	0	1	0
##	28239	0.72222222	3.901304e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28240	0.41666667	3.258845e-03	1.518718e-04	NaN	1.00000000	0	0	0
##	28241	0.29166667	1.261639e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28242	0.79166667	4.501862e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28243	0.15277778	3.915270e-02	2.761306e-05	NaN	1.00000000	0	0	0
##	28244	0.41666667	3.729050e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28245	0.97222222	4.073557e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28246	0.61111111	1.475791e-02	1.587751e-04	NaN	1.00000000	1	0	0
##	28247	0.70833333	0.000000e+00	1.380653e-05	NaN	1.00000000	0	1	0
##	28248	0.04166667	2.797952e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	28249	0.91666667	3.514898e-02	6.903265e-06	NaN	1.00000000	0	0	1
##	28250	0.93055556	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28251	0.65277778	8.007449e-03	6.903265e-06	NaN	1.00000000	0	0	0

##	28252	0.18055556	2.835196e-02	1.380653e-05	NaN	1.00000000	0	0	1
##	28253	0.02777778	1.028864e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28254	0.08333333	4.399441e-02	2.070979e-05	NaN	1.00000000	0	1	0
##	28255	0.93055556	3.985102e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28256	0.62500000	3.114525e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28257	0.87500000	3.300745e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28258	0.18055556	5.018622e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	28259	0.08333333	2.439479e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28260	0.01388889	5.158287e-02	1.518718e-04	NaN	1.00000000	0	0	0
##	28261	0.01388889	2.588454e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28262	0.06944444	1.308194e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28263	0.68055556	9.497207e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28264	0.58333333	2.011173e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28265	0.93055556	4.874302e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28266	0.65277778	1.578212e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	28267	0.11111111	2.807263e-02	6.903265e-06	NaN	1.00000000	0	1	0
##	28268	0.55555556	5.619181e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28269	0.83333333	2.090317e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	28270	0.86111111	5.488827e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	28271	0.29166667	3.081937e-02	6.903265e-06	NaN	1.00000000	0	1	0
##	28272	0.01388889	4.930168e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28273	0.81944444	2.541899e-02	8.283917e-05	NaN	1.00000000	0	0	0
##	28274	0.80555556	5.121043e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28275	0.93055556	2.462756e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28276	0.84722222	3.631285e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28277	1.00000000	3.864060e-03	1.380653e-05	NaN	1.00000000	1	0	0
##	28278	0.47222222	2.253259e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28279	0.37500000	5.023277e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28280	0.30555556	1.852886e-02	6.903265e-06	NaN	1.00000000	1	0	0
##	28281	0.19444444	1.131285e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28282	0.51388889	1.713222e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28283	0.25000000	2.974860e-02	2.070979e-05	NaN	1.00000000	0	1	0
##	28284	0.30555556	2.648976e-02	7.593591e-05	NaN	1.00000000	0	0	1
##	28285	0.44444444	2.486034e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28286	0.90277778	5.172253e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28287	0.37500000	2.402235e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	28288	0.18055556	2.448790e-02	1.380653e-05	NaN	1.00000000	0	0	1
##	28289	0.36111111	4.469274e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28290	0.41666667	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28291	0.29166667	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28292	0.77777778	1.675978e-02	2.070979e-05	NaN	1.00000000	0	0	0
##	28293	0.16666667	1.089385e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28294	0.61111111	1.945996e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28295	0.05555556	1.959963e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28296	0.56944444	2.495345e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28297	0.15277778	7.588454e-03	1.125232e-03	NaN	1.00000000	0	0	0
##	28298	0.02777778	1.112663e-02	1.380653e-05	NaN	1.00000000	0	0	1
##	28299	0.02777778	1.014898e-02	8.145852e-04	NaN	1.00000000	0	0	0
##	28300	0.43055556	0.000000e+00	6.281971e-04	NaN	1.00000000	0	0	0
##	28301	0.80555556	0.000000e+00	6.489069e-04	NaN	1.00000000	0	0	0

##	28302	1.00000000	0.000000e+00	1.139039e-03	NaN	1.00000000	0	0	0
##	28303	0.93055556	0.000000e+00	1.518718e-04	NaN	1.00000000	0	0	0
##	28304	0.75000000	0.000000e+00	7.593591e-04	NaN	1.00000000	0	0	0
##	28305	0.47222222	0.000000e+00	1.815559e-03	NaN	1.00000000	0	0	0
##	28306	0.40277778	0.000000e+00	4.452606e-03	NaN	1.00000000	0	0	0
##	28307	0.69444444	1.443203e-03	4.238604e-03	NaN	1.00000000	0	0	0
##	28308	0.25000000	0.000000e+00	2.837242e-03	NaN	1.00000000	0	0	0
##	28309	0.30555556	1.284916e-02	2.395433e-03	NaN	1.00000000	0	0	0
##	28310	0.51388889	1.443203e-03	8.491015e-04	NaN	1.00000000	0	0	1
##	28311	0.63888889	1.117318e-03	2.278077e-04	NaN	1.00000000	0	0	0
##	28312	0.77777778	1.024209e-03	8.221788e-03	NaN	1.00000000	0	0	0
##	28313	0.47222222	0.000000e+00	4.349057e-04	NaN	1.00000000	0	0	0
##	28314	0.27777778	2.560521e-03	6.834232e-04	NaN	1.00000000	0	0	0
##	28315	0.79166667	5.865922e-03	4.349057e-04	NaN	1.00000000	0	0	0
##	28316	0.95833333	0.000000e+00	9.664570e-05	NaN	1.00000000	0	1	0
##	28317	0.05555556	4.748603e-03	3.451632e-04	NaN	1.00000000	0	0	1
##	28318	0.61111111	3.398510e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28319	0.25000000	2.839851e-03	2.416143e-04	NaN	1.00000000	0	0	0
##	28320	0.38888889	5.353818e-03	9.388440e-04	NaN	1.00000000	0	0	0
##	28321	0.98611111	3.026071e-03	4.832285e-04	NaN	1.00000000	0	0	0
##	28322	0.79166667	0.000000e+00	2.761306e-05	NaN	1.00000000	0	0	1
##	28323	0.34722222	2.327747e-03	1.359943e-03	NaN	1.00000000	0	0	0
##	28324	0.77777778	1.769088e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28325	0.04166667	0.000000e+00	1.000973e-03	NaN	1.00000000	0	0	0
##	28326	0.62500000	5.959032e-03	7.524558e-04	NaN	1.00000000	0	0	0
##	28327	0.59722222	0.000000e+00	1.104522e-04	NaN	1.00000000	0	1	0
##	28328	0.45833333	1.066108e-02	6.972297e-04	NaN	1.00000000	0	0	1
##	28329	0.98611111	4.608939e-03	1.311620e-04	NaN	1.00000000	0	0	0
##	28330	0.34722222	0.000000e+00	8.421983e-04	NaN	1.00000000	0	0	0
##	28331	0.26388889	2.746741e-03	1.794849e-04	NaN	1.00000000	0	0	0
##	28332	0.52777778	0.000000e+00	2.416143e-04	NaN	1.00000000	0	1	0
##	28333	0.23611111	0.000000e+00	2.305690e-03	NaN	1.00000000	0	0	1
##	28334	0.48611111	3.491620e-03	7.455526e-04	NaN	1.00000000	0	0	0
##	28335	0.05555556	1.168529e-02	2.788919e-03	NaN	1.00000000	0	0	0
##	28336	0.11111111	0.000000e+00	1.787946e-03	NaN	1.00000000	0	0	0
##	28337	0.25000000	3.258845e-03	3.451632e-04	NaN	1.00000000	0	0	0
##	28338	0.27777778	0.000000e+00	1.594654e-03	NaN	1.00000000	0	0	1
##	28339	0.59722222	4.189944e-03	1.152845e-03	NaN	1.00000000	0	0	0
##	28340	0.75000000	2.513966e-03	1.926011e-03	NaN	1.00000000	0	0	0
##	28341	0.91666667	0.000000e+00	4.404283e-03	NaN	1.00000000	0	0	0
##	28342	0.79166667	3.445065e-03	1.631932e-02	NaN	1.00000000	0	0	0
##	28343	0.84722222	2.141527e-03	1.912204e-03	NaN	1.00000000	0	0	0
##	28344	0.87500000	3.351955e-03	1.173555e-03	NaN	1.00000000	0	0	0
##	28345	0.26388889	3.258845e-03	7.862818e-03	NaN	1.00000000	0	0	0
##	28346	0.08333333	2.700186e-03	1.070006e-03	NaN	1.00000000	0	0	0
##	28347	0.54166667	1.070764e-03	1.387556e-03	NaN	1.00000000	0	0	0
##	28348	0.81944444	4.189944e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	28349	0.81944444	7.122905e-03	8.283917e-05	NaN	1.00000000	0	0	0
##	28350	0.41666667	5.446927e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28351	0.22222222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	1

##	28352	0.34722222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28353	0.00000000	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28354	0.79166667	2.653631e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28355	0.30555556	2.281192e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28356	0.48611111	6.284916e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28357	0.44444444	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28358	1.00000000	1.955307e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28359	0.56944444	3.677840e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28360	0.70833333	3.212291e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28361	0.55555556	1.955307e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28362	0.41666667	1.582868e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28363	0.09722222	1.126629e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28364	0.09722222	1.838920e-02	6.903265e-06	NaN	1.00000000	1	0	0
##	28365	0.55555556	1.769088e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28366	0.80555556	7.867784e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28367	0.98611111	8.007449e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28368	0.43055556	5.726257e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28369	0.36111111	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	1
##	28370	0.73611111	1.489758e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28371	0.93055556	7.914339e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28372	0.55555556	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28373	0.01388889	1.256983e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28374	0.93055556	6.052142e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	28375	0.87500000	4.329609e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28376	0.50000000	2.188082e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28377	0.41666667	5.214153e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28378	0.80555556	2.607076e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28379	0.94444444	1.256983e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28380	0.58333333	5.353818e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28381	0.36111111	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
##	28382	0.58333333	6.098696e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28383	0.02777778	3.398510e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	28384	0.90277778	2.048417e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28385	0.16666667	6.797020e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28386	0.81944444	9.264432e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28387	0.58333333	5.446927e-03	9.664570e-05	NaN	1.00000000	0	1	0
##	28388	0.11111111	3.538175e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28389	0.76388889	1.582868e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28390	0.25000000	0.000000e+00	6.903265e-06	NaN	1.00000000	1	0	0
##	28391	0.58333333	5.540037e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28392	0.98611111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28393	0.58333333	1.489758e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28394	0.47222222	4.748603e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28395	0.76388889	2.420857e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28396	0.84722222	9.776536e-04	6.903265e-06	NaN	1.00000000	0	1	0
##	28397	0.37500000	9.590317e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28398	0.83333333	2.886406e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28399	0.25000000	4.189944e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28400	0.19444444	1.443203e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28401	0.68055556	7.029795e-03	0.000000e+00	NaN	1.00000000	0	0	0

##	28402	0.73611111	4.748603e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28403	0.69444444	3.910615e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28404	0.81944444	2.094972e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28405	0.05555556	2.560521e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28406	0.84722222	2.932961e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28407	0.76388889	2.746741e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28408	0.15277778	5.074488e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28409	0.65277778	4.422719e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28410	0.75000000	1.489758e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28411	0.19444444	5.586592e-04	0.000000e+00	NaN	1.00000000	0	1	0
##	28412	0.22222222	2.700186e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28413	0.06944444	6.005587e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28414	0.73611111	5.121043e-04	6.903265e-06	NaN	1.00000000	0	0	0
##	28415	0.11111111	1.675978e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28416	0.13888889	6.610801e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28417	0.22222222	5.121043e-04	0.000000e+00	NaN	1.00000000	0	0	0
##	28418	0.25000000	6.238361e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28419	0.72222222	1.443203e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28420	0.50000000	1.675978e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28421	0.25000000	4.562384e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28422	0.50000000	1.675978e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28423	0.33333333	6.052142e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	28424	0.40277778	1.350093e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28425	0.97222222	5.121043e-04	6.903265e-06	NaN	1.00000000	0	0	0
##	28426	0.94444444	2.653631e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28427	0.18055556	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28428	0.20833333	9.310987e-04	0.000000e+00	NaN	1.00000000	0	0	0
##	28429	0.66666667	6.052142e-04	0.000000e+00	NaN	1.00000000	0	0	1
##	28430	0.30555556	4.934823e-03	2.070979e-05	NaN	1.00000000	0	0	1
##	28431	0.70833333	2.001862e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28432	0.84722222	1.629423e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28433	0.51388889	2.420857e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28434	0.19444444	3.724395e-03	2.070979e-04	NaN	1.00000000	0	0	0
##	28435	0.45833333	1.955307e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28436	0.58333333	1.955307e-03	2.001947e-04	NaN	1.00000000	0	0	0
##	28437	0.93055556	3.584730e-03	2.070979e-05	NaN	1.00000000	0	0	1
##	28438	0.83333333	3.864060e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28439	0.58333333	2.001862e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28440	0.18055556	2.188082e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28441	0.20833333	4.422719e-03	2.830338e-04	NaN	1.00000000	0	0	0
##	28442	0.44444444	4.329609e-03	2.008850e-03	NaN	0.91304348	0	0	0
##	28443	0.18055556	2.607076e-03	4.645897e-03	NaN	1.00000000	0	0	0
##	28444	0.48611111	4.702048e-03	1.187362e-03	NaN	0.78260870	0	0	0
##	28445	0.29166667	6.703911e-03	2.278077e-04	NaN	1.00000000	0	0	0
##	28446	0.31944444	6.750466e-03	1.214975e-03	NaN	1.00000000	0	0	0
##	28447	0.44444444	6.517691e-04	3.139605e-02	NaN	0.86956522	0	0	0
##	28448	0.26388889	1.955307e-03	1.037561e-02	NaN	1.00000000	0	0	0
##	28449	0.56944444	4.841713e-03	5.232675e-03	NaN	0.47826087	0	0	0
##	28450	0.63888889	4.515829e-03	6.765199e-04	NaN	0.26086957	0	0	0
##	28451	0.27777778	4.143389e-03	6.489069e-04	NaN	1.00000000	0	0	0

##	28452	0.15277778	2.188082e-03	6.005840e-04	NaN	1.00000000	0	0	0
##	28453	0.22222222	2.001862e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	28454	0.37500000	5.633147e-03	1.111426e-03	NaN	1.00000000	0	0	0
##	28455	0.41666667	6.284916e-03	5.522612e-04	NaN	0.91304348	0	0	0
##	28456	0.65277778	4.515829e-03	4.003893e-04	NaN	0.13043478	0	0	0
##	28457	0.50000000	4.841713e-03	7.317460e-04	NaN	0.60869565	0	0	0
##	28458	0.18055556	3.212291e-03	1.049987e-02	NaN	1.00000000	0	0	0
##	28459	0.04166667	5.912477e-03	1.353040e-03	NaN	1.00000000	0	0	0
##	28460	0.13888889	6.517691e-04	1.863881e-04	NaN	1.00000000	0	0	0
##	28461	0.15277778	4.562384e-03	2.278077e-04	NaN	1.00000000	0	0	0
##	28462	0.43055556	1.070764e-03	4.625187e-04	NaN	0.82608696	0	0	0
##	28463	0.23611111	4.143389e-03	1.815559e-03	NaN	1.00000000	0	0	0
##	28464	0.54166667	5.353818e-03	2.070979e-05	NaN	0.43478261	0	0	0
##	28465	0.38888889	5.633147e-03	2.830338e-04	NaN	0.91304348	0	0	0
##	28466	0.29166667	4.050279e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28467	0.34722222	6.284916e-03	2.554208e-04	NaN	1.00000000	0	0	0
##	28468	0.05555556	1.955307e-03	3.845118e-03	NaN	1.00000000	0	0	0
##	28469	0.27777778	1.066108e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28470	0.54166667	4.655493e-03	0.000000e+00	NaN	0.39130435	0	0	0
##	28471	0.40277778	4.143389e-03	6.903265e-05	NaN	0.82608696	0	0	0
##	28472	0.23611111	6.750466e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	28473	0.20833333	6.703911e-03	8.974244e-05	NaN	1.00000000	0	0	0
##	28474	0.27777778	4.655493e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28475	0.56944444	2.746741e-03	2.070979e-04	NaN	0.21739130	0	0	0
##	28476	0.23611111	6.378026e-03	3.589698e-04	NaN	0.82608696	0	0	0
##	28477	0.19444444	6.331471e-03	2.070979e-05	NaN	0.95652174	0	0	0
##	28478	0.02777778	6.750466e-03	8.974244e-05	NaN	1.00000000	0	0	0
##	28479	0.27777778	5.167598e-03	1.152845e-03	NaN	0.65217391	0	0	0
##	28480	0.05555556	3.258845e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	28481	0.19444444	3.165736e-03	7.455526e-04	NaN	0.86956522	0	0	0
##	28482	0.22222222	6.610801e-03	7.593591e-05	NaN	0.78260870	0	0	0
##	28483	0.25000000	4.655493e-03	0.000000e+00	NaN	0.69565217	0	0	0
##	28484	0.01388889	1.722533e-03	6.351003e-03	NaN	1.00000000	0	0	0
##	28485	0.05555556	5.353818e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28486	0.12500000	3.724395e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28487	0.20833333	5.260708e-03	6.903265e-06	NaN	0.78260870	0	0	0
##	28488	0.02777778	6.750466e-03	1.449686e-04	NaN	1.00000000	0	0	0
##	28489	0.04166667	3.491620e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	28490	0.08333333	2.188082e-03	6.143905e-04	NaN	1.00000000	0	0	0
##	28491	0.06944444	3.398510e-03	4.280024e-04	NaN	1.00000000	0	0	0
##	28492	0.16666667	4.096834e-03	3.796796e-04	NaN	0.86956522	0	0	0
##	28493	0.13888889	5.819367e-03	6.903265e-05	NaN	0.95652174	0	0	0
##	28494	0.68055556	1.038175e-02	1.300575e-02	NaN	1.00000000	0	1	0
##	28495	0.81944444	6.564246e-03	9.153729e-03	NaN	1.00000000	0	0	0
##	28496	0.56944444	7.867784e-03	7.400300e-03	NaN	1.00000000	0	1	0
##	28497	0.09722222	6.191806e-03	1.068625e-02	NaN	1.00000000	0	0	1
##	28498	0.52777778	6.564246e-03	7.110362e-04	NaN	0.17391304	0	0	0
##	28499	0.06944444	8.519553e-03	7.710947e-03	NaN	1.00000000	0	0	0
##	28500	0.30555556	4.376164e-03	4.832285e-04	NaN	1.00000000	0	1	0
##	28501	0.08333333	5.214153e-03	1.573944e-03	NaN	1.00000000	0	1	0

##	28502	0.87500000	5.540037e-03	7.800689e-04	NaN	1.00000000	0	0	1
##	28503	0.68055556	6.564246e-03	1.145942e-03	NaN	1.00000000	0	0	1
##	28504	0.61111111	5.260708e-03	5.453579e-04	NaN	1.00000000	0	0	0
##	28505	0.66666667	5.446927e-03	4.280024e-04	NaN	1.00000000	0	0	0
##	28506	0.01388889	5.959032e-03	8.491015e-04	NaN	1.00000000	1	0	0
##	28507	0.19444444	6.517691e-03	1.863881e-04	NaN	1.00000000	1	0	0
##	28508	0.13888889	8.054004e-03	2.347110e-04	NaN	1.00000000	0	1	0
##	28509	0.38888889	3.491620e-03	5.522612e-04	NaN	1.00000000	0	1	0
##	28510	0.93055556	7.169460e-03	2.001947e-04	NaN	0.08695652	0	0	1
##	28511	0.22222222	5.214153e-03	8.491015e-04	NaN	1.00000000	0	0	1
##	28512	0.30555556	7.635009e-03	3.934861e-04	NaN	0.69565217	0	0	0
##	28513	0.94444444	5.819367e-03	3.520665e-04	NaN	1.00000000	0	0	0
##	28514	0.72222222	1.052142e-02	4.003893e-04	NaN	1.00000000	1	0	0
##	28515	0.97222222	6.191806e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	28516	0.55555556	2.979516e-03	1.242588e-04	NaN	1.00000000	0	0	0
##	28517	0.58333333	6.750466e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28518	0.41666667	9.031657e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	28519	0.90277778	2.979516e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28520	0.75000000	3.910615e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28521	0.08333333	3.212291e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28522	0.18055556	1.396648e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28523	0.83333333	3.165736e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28524	0.86111111	8.379888e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	28525	0.61111111	4.283054e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28526	0.22222222	8.566108e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28527	0.83333333	0.000000e+00	3.079546e-02	NaN	1.00000000	0	0	0
##	28528	0.37500000	8.566108e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28529	0.43055556	6.284916e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28530	0.23611111	5.959032e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28531	0.36111111	6.517691e-04	7.179395e-04	NaN	1.00000000	0	0	0
##	28532	0.61111111	3.398510e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28533	0.12500000	1.908752e-03	1.311620e-04	NaN	1.00000000	0	0	0
##	28534	0.05555556	2.467412e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	28535	0.83333333	6.052142e-04	8.007787e-04	NaN	1.00000000	0	0	0
##	28536	0.18055556	4.608939e-03	1.242588e-04	NaN	1.00000000	0	0	0
##	28537	0.68055556	4.934823e-03	3.513762e-03	NaN	1.00000000	0	0	0
##	28538	0.40277778	8.054004e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28539	0.20833333	3.770950e-03	4.832285e-04	NaN	1.00000000	0	0	0
##	28540	0.22222222	4.376164e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28541	0.65277778	1.303538e-03	9.250375e-04	NaN	1.00000000	0	0	0
##	28542	0.62500000	8.193669e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28543	0.13888889	6.052142e-04	3.596601e-03	NaN	1.00000000	1	0	0
##	28544	0.18055556	5.121043e-04	6.074873e-04	NaN	1.00000000	1	0	0
##	28545	0.06944444	1.317505e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28546	0.27777778	5.307263e-03	8.283917e-05	NaN	1.00000000	0	1	0
##	28547	1.00000000	2.607076e-03	1.587751e-04	NaN	1.00000000	0	1	0
##	28548	0.98611111	6.750466e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28549	0.25000000	2.048417e-03	6.351003e-04	NaN	1.00000000	0	0	1
##	28550	0.36111111	1.815642e-03	8.629081e-04	NaN	1.00000000	0	0	1
##	28551	0.48611111	5.260708e-03	1.380653e-05	NaN	1.00000000	0	0	1

##	28552	0.54166667	3.724395e-03	7.593591e-05	NaN	1.00000000	0	0	0
##	28553	0.88888889	5.307263e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28554	0.05555556	5.167598e-03	7.593591e-05	NaN	1.00000000	0	0	0
##	28555	0.75000000	4.189944e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28556	0.01388889	3.817505e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28557	0.37500000	4.143389e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	28558	0.25000000	5.400372e-03	6.903265e-05	NaN	1.00000000	1	0	0
##	28559	0.13888889	4.795158e-03	2.070979e-05	NaN	1.00000000	0	0	1
##	28560	0.86111111	4.096834e-03	2.070979e-05	NaN	1.00000000	0	0	1
##	28561	0.61111111	4.655493e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	28562	0.52777778	2.174115e-02	2.761306e-05	NaN	1.00000000	0	0	0
##	28563	0.51388889	2.327747e-04	3.734666e-03	NaN	1.00000000	0	0	0
##	28564	0.93055556	1.289572e-02	4.625187e-04	NaN	1.00000000	0	0	0
##	28565	0.68055556	4.981378e-03	1.932914e-03	NaN	1.00000000	0	0	0
##	28566	0.37500000	6.797020e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28567	0.15277778	1.117318e-03	1.173555e-03	NaN	1.00000000	0	0	0
##	28568	0.83333333	6.145251e-03	9.181342e-04	NaN	1.00000000	0	0	0
##	28569	0.95833333	2.700186e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28570	0.70833333	6.890130e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28571	0.84722222	2.327747e-04	3.037436e-04	NaN	1.00000000	0	0	0
##	28572	0.98611111	8.845438e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28573	0.58333333	5.586592e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28574	0.43055556	1.769088e-03	4.280024e-04	NaN	1.00000000	0	0	0
##	28575	0.48611111	4.981378e-03	2.761306e-05	NaN	1.00000000	1	0	0
##	28576	0.43055556	1.489758e-03	1.194265e-03	NaN	1.00000000	1	0	0
##	28577	0.23611111	2.653631e-03	3.702911e-02	NaN	1.00000000	0	1	0
##	28578	0.22222222	1.256983e-03	1.159748e-03	NaN	1.00000000	0	1	0
##	28579	0.43055556	1.629423e-03	5.087706e-03	NaN	1.00000000	0	1	0
##	28580	0.44444444	1.382682e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	28581	0.93055556	1.722533e-03	1.221878e-03	NaN	1.00000000	0	0	1
##	28582	0.31944444	4.841713e-03	8.491015e-04	NaN	1.00000000	0	0	1
##	28583	0.41666667	1.117318e-03	5.315514e-03	NaN	1.00000000	0	0	1
##	28584	0.04166667	5.074488e-03	4.266217e-03	NaN	1.00000000	0	0	0
##	28585	0.93055556	2.048417e-03	6.351003e-04	NaN	1.00000000	0	0	0
##	28586	0.01388889	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28587	0.05555556	9.310987e-04	7.041330e-04	NaN	1.00000000	0	0	0
##	28588	0.04166667	5.353818e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28589	0.90277778	7.402235e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28590	0.73611111	2.141527e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28591	0.47222222	1.582868e-03	6.834232e-04	NaN	1.00000000	0	0	0
##	28592	0.95833333	8.985102e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28593	0.43055556	4.608939e-03	1.380653e-04	NaN	1.00000000	0	0	0
##	28594	0.75000000	4.050279e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28595	0.63888889	4.655493e-04	3.789892e-03	NaN	1.00000000	0	0	0
##	28596	0.86111111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28597	0.27777778	9.310987e-04	2.015753e-03	NaN	1.00000000	0	0	0
##	28598	0.12500000	6.098696e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	28599	1.00000000	5.121043e-03	9.664570e-05	NaN	1.00000000	1	0	0
##	28600	0.40277778	2.700186e-03	6.005840e-04	NaN	1.00000000	1	0	0
##	28601	0.31944444	6.098696e-03	1.380653e-05	NaN	1.00000000	0	1	0

##	28602	0.18055556	6.610801e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28603	0.01388889	1.024209e-03	5.729710e-04	NaN	1.00000000	0	1	0
##	28604	0.25000000	6.052142e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28605	0.31944444	3.817505e-03	3.796796e-04	NaN	1.00000000	0	0	1
##	28606	0.44444444	5.074488e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28607	0.81944444	4.888268e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28608	0.08333333	4.981378e-03	7.593591e-05	NaN	1.00000000	0	0	1
##	28609	0.65277778	7.960894e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28610	0.63888889	2.430168e-02	6.903265e-06	NaN	1.00000000	0	0	1
##	28611	0.86111111	5.260708e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28612	0.23611111	5.260708e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	28613	0.11111111	6.983240e-04	1.615364e-03	NaN	1.00000000	0	0	0
##	28614	0.77777778	2.932961e-03	2.623241e-04	NaN	1.00000000	0	0	0
##	28615	0.75000000	1.629423e-03	1.428976e-03	NaN	1.00000000	0	0	0
##	28616	0.58333333	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28617	0.02777778	6.703911e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28618	0.73611111	2.327747e-03	1.242588e-04	NaN	1.00000000	0	0	0
##	28619	0.63888889	0.000000e+00	3.776086e-03	NaN	1.00000000	0	0	0
##	28620	0.91666667	0.000000e+00	8.912115e-03	NaN	1.00000000	0	0	0
##	28621	0.19444444	3.631285e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28622	0.61111111	3.538175e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28623	0.95833333	3.770950e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28624	0.26388889	6.191806e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28625	0.62500000	8.379888e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28626	0.52777778	6.657356e-03	5.094609e-03	NaN	1.00000000	1	0	0
##	28627	0.73611111	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
##	28628	0.36111111	1.489758e-03	2.692273e-03	NaN	1.00000000	0	1	0
##	28629	0.65277778	4.143389e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28630	0.40277778	1.270950e-02	6.903265e-05	NaN	1.00000000	0	1	0
##	28631	0.29166667	2.048417e-03	1.267439e-02	NaN	1.00000000	0	1	0
##	28632	0.68055556	1.815642e-03	4.003893e-04	NaN	1.00000000	0	1	0
##	28633	0.13888889	4.329609e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28634	0.59722222	6.983240e-04	3.016727e-03	NaN	1.00000000	0	0	1
##	28635	0.13888889	4.748603e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28636	0.47222222	5.726257e-03	3.589698e-04	NaN	1.00000000	0	0	0
##	28637	0.05555556	5.772812e-03	1.242588e-04	NaN	1.00000000	0	0	0
##	28638	0.54166667	2.048417e-03	1.897017e-02	NaN	1.00000000	0	0	0
##	28639	0.23611111	1.005587e-02	2.112399e-03	NaN	1.00000000	0	0	0
##	28640	0.45833333	1.201117e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28641	0.65277778	4.841713e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28642	0.48611111	0.000000e+00	4.604477e-03	NaN	1.00000000	0	0	0
##	28643	0.02777778	5.307263e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28644	0.59722222	8.030726e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28645	1.00000000	1.366853e-01	0.000000e+00	NaN	1.00000000	0	0	0
##	28646	0.12500000	3.715084e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28647	0.94444444	3.226257e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28648	0.12500000	3.202980e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28649	0.76388889	1.536313e-03	8.283917e-04	NaN	1.00000000	0	0	0
##	28650	0.87500000	4.376164e-03	1.518718e-04	NaN	1.00000000	0	0	0
##	28651	0.54166667	2.001862e-03	4.003893e-04	NaN	1.00000000	1	0	0

##	28652	0.62500000	6.983240e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28653	0.90277778	2.513966e-03	4.210991e-04	NaN	1.00000000	0	0	0
##	28654	0.98611111	8.007449e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28655	0.61111111	2.513966e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	28656	0.48611111	2.234637e-02	2.070979e-05	NaN	1.00000000	1	0	0
##	28657	0.30555556	1.955307e-03	1.863881e-04	NaN	1.00000000	1	0	0
##	28658	0.18055556	2.932961e-03	1.518718e-04	NaN	1.00000000	0	1	0
##	28659	0.29166667	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	0
##	28660	0.30555556	3.212291e-03	2.070979e-05	NaN	1.00000000	0	1	0
##	28661	0.63888889	1.210428e-02	2.996017e-03	NaN	0.95652174	0	0	1
##	28662	0.48611111	9.031657e-03	7.593591e-04	NaN	0.26086957	0	0	0
##	28663	0.19444444	6.052142e-04	5.315514e-03	NaN	1.00000000	0	0	1
##	28664	0.31944444	0.000000e+00	1.380653e-05	NaN	1.00000000	0	0	1
##	28665	0.70833333	1.629423e-03	1.380653e-04	NaN	0.47826087	0	0	1
##	28666	0.36111111	3.305400e-03	1.380653e-05	NaN	0.52173913	0	0	0
##	28667	0.44444444	6.610801e-03	1.070006e-03	NaN	0.60869565	0	0	0
##	28668	0.04166667	7.635009e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28669	0.16666667	1.629423e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28670	0.66666667	1.056797e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	28671	0.15277778	1.582868e-03	1.380653e-04	NaN	1.00000000	0	0	0
##	28672	0.02777778	1.210428e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28673	0.29166667	2.793296e-04	0.000000e+00	NaN	1.00000000	0	0	0
##	28674	0.75000000	2.281192e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28675	0.69444444	3.351955e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28676	0.44444444	1.955307e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28677	0.43055556	2.513966e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28678	0.55555556	2.607076e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28679	0.58333333	2.141527e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	28680	0.44444444	2.467412e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	28681	0.04166667	1.675978e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28682	0.72222222	1.769088e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28683	0.91666667	5.586592e-04	1.380653e-05	NaN	1.00000000	0	0	1
##	28684	0.62500000	2.094972e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28685	0.41666667	1.256983e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28686	0.58333333	0.000000e+00	1.380653e-05	NaN	1.00000000	0	0	0
##	28687	0.20833333	1.536313e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28688	0.12500000	1.675978e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	28689	0.69444444	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
##	28690	0.00000000	2.001862e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28691	0.26388889	3.724395e-03	6.903265e-06	NaN	1.00000000	0	1	0
##	28692	0.87500000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28693	0.59722222	6.797020e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28694	0.72222222	3.351955e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28695	0.00000000	1.955307e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28696	0.40277778	1.908752e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28697	0.59722222	1.256983e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28698	0.00000000	1.862197e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28699	0.19444444	3.072626e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28700	0.97222222	1.489758e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28701	0.52777778	2.793296e-04	0.000000e+00	NaN	1.00000000	0	1	0

##	28702	0.54166667	1.582868e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28703	0.25000000	4.050279e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28704	0.34722222	1.489758e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28705	0.20833333	4.515829e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28706	0.79166667	1.629423e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28707	0.47222222	2.048417e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28708	0.66666667	2.979516e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28709	0.47222222	2.653631e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28710	0.22222222	0.000000e+00	6.903265e-06	NaN	1.00000000	1	0	0
##	28711	0.44444444	1.070764e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28712	0.55555556	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28713	0.15277778	1.629423e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28714	0.18055556	4.003724e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	28715	0.97222222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	0
##	28716	0.55555556	4.981378e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28717	0.48611111	1.070764e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28718	0.52777778	1.014898e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28719	0.38888889	1.629423e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28720	0.52777778	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28721	0.05555556	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28722	0.61111111	2.234637e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28723	0.04166667	0.000000e+00	1.380653e-05	NaN	1.00000000	0	0	0
##	28724	0.18055556	3.351955e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	28725	0.58333333	2.513966e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28726	0.22222222	6.983240e-04	6.903265e-06	NaN	1.00000000	0	0	0
##	28727	0.25000000	8.612663e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28728	0.54166667	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28729	0.55555556	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28730	0.06944444	8.426443e-03	6.903265e-06	NaN	1.00000000	0	1	0
##	28731	0.38888889	4.515829e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28732	0.44444444	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	1
##	28733	0.05555556	2.420857e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28734	0.40277778	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28735	0.65277778	1.163873e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28736	0.11111111	1.210428e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28737	0.66666667	5.959032e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28738	0.02777778	1.722533e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28739	0.15277778	1.256983e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28740	0.38888889	1.908752e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28741	0.84722222	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28742	0.70833333	2.653631e-03	6.558101e-04	NaN	1.00000000	0	0	0
##	28743	0.69444444	6.843575e-03	1.380653e-04	NaN	1.00000000	0	0	0
##	28744	0.36111111	6.843575e-03	3.451632e-05	NaN	1.00000000	0	0	0
##	28745	0.80555556	1.163873e-03	4.970350e-04	NaN	1.00000000	1	0	0
##	28746	0.91666667	4.422719e-03	3.727763e-04	NaN	1.00000000	0	1	0
##	28747	0.26388889	2.979516e-03	2.830338e-04	NaN	1.00000000	0	0	0
##	28748	0.13888889	3.724395e-03	5.453579e-04	NaN	1.00000000	0	0	0
##	28749	0.70833333	9.310987e-05	1.470395e-03	NaN	1.00000000	0	0	0
##	28750	0.25000000	3.258845e-04	1.014780e-03	NaN	1.00000000	0	0	1
##	28751	0.87500000	5.353818e-03	4.210991e-04	NaN	1.00000000	0	0	0

##	28752	0.06944444	7.029795e-03	2.416143e-04	NaN	1.00000000	1	0	0
##	28753	1.00000000	6.564246e-03	8.767146e-04	NaN	1.00000000	0	0	0
##	28754	0.84722222	2.700186e-03	5.936808e-04	NaN	1.00000000	0	0	0
##	28755	0.93055556	4.748603e-03	2.968404e-04	NaN	1.00000000	1	0	0
##	28756	0.48611111	4.562384e-03	2.830338e-04	NaN	1.00000000	0	0	0
##	28757	0.45833333	2.188082e-03	1.035490e-04	NaN	1.00000000	0	0	1
##	28758	0.93055556	6.657356e-03	1.380653e-04	NaN	1.00000000	0	0	0
##	28759	0.11111111	4.981378e-03	1.380653e-05	NaN	1.00000000	0	1	0
##	28760	0.09722222	2.374302e-03	3.313567e-04	NaN	1.00000000	0	1	0
##	28761	0.87500000	2.793296e-03	6.143905e-04	NaN	1.00000000	0	0	1
##	28762	0.59722222	5.865922e-03	5.936808e-04	NaN	1.00000000	0	0	0
##	28763	0.56944444	5.121043e-04	1.118329e-03	NaN	1.00000000	0	0	0
##	28764	0.26388889	2.700186e-03	2.278077e-04	NaN	1.00000000	0	0	0
##	28765	0.55555556	1.722533e-03	1.863881e-04	NaN	1.00000000	1	0	0
##	28766	0.13888889	9.310987e-05	1.000973e-03	NaN	1.00000000	0	0	1
##	28767	0.34722222	6.378026e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28768	0.51388889	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28769	0.88888889	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28770	0.73611111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28771	0.16666667	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28772	0.72222222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	0
##	28773	0.91666667	3.491620e-03	1.380653e-05	NaN	1.00000000	0	0	1
##	28774	0.55555556	1.256983e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	28775	0.40277778	3.026071e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28776	0.63888889	9.636872e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	28777	0.56944444	1.503724e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28778	0.79166667	5.260708e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28779	0.31944444	2.001862e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28780	0.44444444	6.052142e-03	9.664570e-05	NaN	1.00000000	0	0	0
##	28781	0.55555556	3.538175e-03	2.761306e-04	NaN	1.00000000	0	0	0
##	28782	0.75000000	0.000000e+00	6.137002e-03	NaN	1.00000000	1	0	0
##	28783	0.09722222	1.722533e-03	8.270111e-03	NaN	1.00000000	0	0	1
##	28784	0.70833333	3.351955e-03	6.489069e-04	NaN	1.00000000	0	1	0
##	28785	0.79166667	1.955307e-03	3.002920e-03	NaN	1.00000000	0	0	0
##	28786	0.73611111	1.350093e-03	9.174439e-03	NaN	1.00000000	0	0	0
##	28787	0.63888889	5.446927e-03	1.265368e-02	NaN	1.00000000	0	0	0
##	28788	0.51388889	7.448790e-04	7.448622e-03	NaN	1.00000000	0	0	0
##	28789	0.62500000	4.515829e-03	1.354421e-02	NaN	1.00000000	0	0	0
##	28790	0.65277778	2.420857e-03	9.181342e-03	NaN	1.00000000	1	0	0
##	28791	0.02777778	1.256983e-03	8.076820e-04	NaN	1.00000000	0	0	0
##	28792	0.04166667	3.212291e-03	2.485175e-04	NaN	1.00000000	0	0	0
##	28793	0.40277778	1.075419e-02	1.926011e-03	NaN	1.00000000	0	1	0
##	28794	0.01388889	4.608939e-03	3.037436e-04	NaN	1.00000000	0	0	0
##	28795	0.34722222	2.327747e-03	2.968404e-03	NaN	1.00000000	0	0	0
##	28796	0.91666667	8.379888e-03	7.296751e-03	NaN	1.00000000	0	0	0
##	28797	0.72222222	0.000000e+00	2.091689e-03	NaN	1.00000000	0	0	1
##	28798	0.80555556	0.000000e+00	9.512699e-03	NaN	1.00000000	0	0	0
##	28799	0.97222222	3.165736e-03	2.209045e-04	NaN	1.00000000	0	0	0
##	28800	0.90277778	6.378026e-03	3.106469e-04	NaN	1.00000000	0	0	0
##	28801	0.66666667	6.005587e-03	2.416143e-04	NaN	1.00000000	0	0	0

##	28802	0.20833333	3.724395e-03	2.761306e-05	NaN	1.00000000	1	0	0
##	28803	0.27777778	8.752328e-03	3.451632e-04	NaN	1.00000000	1	0	0
##	28804	0.58333333	4.562384e-03	6.903265e-06	NaN	1.00000000	0	1	0
##	28805	0.72222222	4.562384e-03	6.558101e-04	NaN	1.00000000	0	0	1
##	28806	0.31944444	5.540037e-03	7.593591e-05	NaN	1.00000000	0	0	0
##	28807	0.34722222	1.862197e-03	5.936808e-04	NaN	1.00000000	0	0	0
##	28808	0.09722222	9.823091e-03	2.485175e-04	NaN	1.00000000	0	0	0
##	28809	0.50000000	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28810	0.58333333	8.054004e-03	3.037436e-04	NaN	1.00000000	0	0	0
##	28811	0.30555556	7.122905e-03	1.311620e-04	NaN	1.00000000	1	0	0
##	28812	0.31944444	2.700186e-03	2.554208e-04	NaN	1.00000000	1	0	0
##	28813	0.55555556	1.303538e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28814	0.01388889	1.513035e-02	6.903265e-06	NaN	1.00000000	0	1	0
##	28815	0.11111111	2.653631e-03	1.242588e-04	NaN	1.00000000	0	0	1
##	28816	0.61111111	8.379888e-04	6.005840e-04	NaN	1.00000000	0	0	0
##	28817	0.20833333	1.112663e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	28818	0.66666667	5.586592e-04	3.244534e-04	NaN	0.86956522	0	0	1
##	28819	0.18055556	6.703911e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28820	0.27777778	1.070764e-03	3.727763e-04	NaN	0.52173913	0	0	0
##	28821	0.38888889	8.472998e-03	9.181342e-04	NaN	1.00000000	0	1	0
##	28822	0.40277778	9.217877e-03	5.384546e-04	NaN	1.00000000	0	0	1
##	28823	0.59722222	3.910615e-03	3.727763e-04	NaN	1.00000000	0	0	0
##	28824	0.27777778	7.169460e-03	7.593591e-04	NaN	1.00000000	0	0	0
##	28825	0.40277778	1.489758e-03	6.074873e-04	NaN	1.00000000	0	0	0
##	28826	0.44444444	5.959032e-03	1.035490e-03	NaN	1.00000000	0	0	0
##	28827	0.51388889	4.888268e-03	8.283917e-05	NaN	1.00000000	0	0	0
##	28828	0.26388889	5.726257e-03	1.794849e-04	NaN	1.00000000	0	0	0
##	28829	0.48611111	2.700186e-03	6.143905e-04	NaN	1.00000000	0	0	0
##	28830	0.79166667	0.000000e+00	2.899371e-03	NaN	1.00000000	0	0	0
##	28831	0.63888889	4.702048e-03	2.802725e-03	NaN	1.00000000	0	0	0
##	28832	0.58333333	1.350093e-03	1.560138e-03	NaN	1.00000000	0	0	1
##	28833	0.23611111	0.000000e+00	4.556155e-04	NaN	1.00000000	0	0	0
##	28834	0.15277778	1.596834e-02	1.173555e-04	NaN	1.00000000	0	0	0
##	28835	0.58333333	5.865922e-03	8.421983e-04	NaN	1.00000000	0	1	0
##	28836	0.86111111	4.702048e-03	2.416143e-04	NaN	1.00000000	0	0	0
##	28837	0.44444444	0.000000e+00	2.464465e-03	NaN	1.00000000	0	0	0
##	28838	0.62500000	1.443203e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	28839	1.00000000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28840	0.97222222	0.000000e+00	6.903265e-06	NaN	1.00000000	1	0	0
##	28841	0.06944444	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28842	0.94444444	4.655493e-04	0.000000e+00	NaN	1.00000000	0	0	0
##	28843	0.15277778	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	0
##	28844	0.06944444	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
##	28845	0.66666667	8.845438e-04	0.000000e+00	NaN	1.00000000	0	0	0
##	28846	0.83333333	1.084730e-02	0.000000e+00	NaN	1.00000000	1	0	0
##	28847	0.47222222	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	1
##	28848	0.25000000	2.048417e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28849	0.44444444	0.000000e+00	6.903265e-05	NaN	1.00000000	0	0	0
##	28850	0.11111111	0.000000e+00	7.593591e-05	NaN	1.00000000	0	0	1
##	28851	0.11111111	3.724395e-04	0.000000e+00	NaN	1.00000000	0	0	0

##	28852	0.08333333	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28853	0.41666667	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28854	0.77777778	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	1
##	28855	0.69444444	3.258845e-04	0.000000e+00	NaN	1.00000000	0	0	0
##	28856	0.18055556	3.864060e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	28857	0.61111111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	1
##	28858	0.56944444	4.189944e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28859	0.19444444	0.000000e+00	1.380653e-05	NaN	1.00000000	0	0	1
##	28860	0.31944444	0.000000e+00	7.593591e-05	NaN	1.00000000	1	0	0
##	28861	0.56944444	1.024209e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28862	0.11111111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	0
##	28863	0.26388889	2.746741e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28864	0.97222222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28865	0.27777778	1.536313e-03	1.380653e-05	NaN	1.00000000	1	0	0
##	28866	0.27777778	1.447858e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28867	0.72222222	1.787709e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	28868	0.79166667	1.056797e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28869	0.94444444	8.845438e-04	0.000000e+00	NaN	1.00000000	0	1	0
##	28870	0.58333333	1.461825e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	28871	0.73611111	1.066108e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	28872	0.50000000	4.189944e-04	0.000000e+00	NaN	1.00000000	0	0	1
##	28873	0.30555556	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28874	0.47222222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28875	0.80555556	3.305400e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28876	0.48611111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	28877	0.04166667	8.845438e-04	0.000000e+00	NaN	1.00000000	0	1	0
##	28878	0.62500000	4.916201e-02	1.794849e-03	NaN	1.00000000	0	0	0
##	28879	0.72222222	1.322160e-02	1.104522e-04	NaN	1.00000000	1	0	0
##	28880	0.58333333	1.000466e-01	4.010797e-03	NaN	1.00000000	1	0	0
##	28881	0.27777778	0.000000e+00	1.242588e-04	NaN	1.00000000	0	0	0
##	28882	0.01388889	8.426443e-03	3.451632e-05	NaN	1.00000000	0	1	0
##	28883	0.58333333	1.028864e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28884	0.56944444	4.655493e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28885	0.50000000	5.912477e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28886	0.37500000	0.000000e+00	9.664570e-05	NaN	1.00000000	0	0	0
##	28887	0.87500000	5.353818e-03	1.242588e-04	NaN	1.00000000	0	0	0
##	28888	0.43055556	4.608939e-03	1.311620e-04	NaN	1.00000000	0	0	0
##	28889	0.43055556	0.000000e+00	1.380653e-04	NaN	1.00000000	0	0	0
##	28890	0.06944444	5.912477e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28891	0.31944444	4.562384e-03	7.041330e-04	NaN	1.00000000	0	1	0
##	28892	0.40277778	7.448790e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28893	0.23611111	7.728119e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28894	0.29166667	8.100559e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28895	0.88888889	4.748603e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28896	0.93055556	6.936685e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28897	0.33333333	4.795158e-03	7.593591e-05	NaN	1.00000000	0	0	0
##	28898	0.20833333	4.748603e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28899	0.41666667	5.586592e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28900	0.65277778	7.309125e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	28901	0.62500000	4.841713e-03	1.380653e-05	NaN	1.00000000	1	0	0

##	28902	0.51388889	9.404097e-03	1.380653e-05	NaN	1.00000000	0	1	0
##	28903	0.44444444	7.960894e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	28904	0.00000000	4.376164e-03	9.664570e-05	NaN	1.00000000	0	0	1
##	28905	0.16666667	6.331471e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28906	0.33333333	4.422719e-03	7.731656e-04	NaN	1.00000000	0	0	0
##	28907	0.80555556	3.538175e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	28908	0.94444444	6.797020e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28909	0.90277778	4.981378e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28910	0.81944444	6.797020e-03	1.794849e-04	NaN	1.00000000	0	0	0
##	28911	0.86111111	0.000000e+00	9.664570e-05	NaN	1.00000000	0	0	0
##	28912	0.55555556	6.052142e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28913	0.61111111	5.493482e-03	2.761306e-05	NaN	1.00000000	1	0	0
##	28914	0.12500000	6.657356e-03	1.380653e-05	NaN	1.00000000	1	0	0
##	28915	0.19444444	4.422719e-03	7.593591e-05	NaN	1.00000000	0	1	0
##	28916	0.87500000	6.573557e-02	6.903265e-06	NaN	1.00000000	0	1	0
##	28917	0.48611111	6.424581e-03	1.380653e-05	NaN	1.00000000	0	1	0
##	28918	0.66666667	6.098696e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28919	0.00000000	1.010242e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	28920	0.98611111	5.214153e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28921	0.52777778	8.891993e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	28922	0.19444444	9.171322e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28923	0.19444444	3.212291e-03	8.283917e-05	NaN	1.00000000	0	0	0
##	28924	0.34722222	1.642458e-01	0.000000e+00	NaN	1.00000000	0	0	0
##	28925	0.44444444	1.828678e-01	0.000000e+00	NaN	1.00000000	0	0	0
##	28926	0.70833333	3.864060e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28927	0.44444444	3.817505e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28928	0.40277778	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	28929	0.31944444	4.469274e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	28930	0.59722222	5.493482e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28931	0.08333333	4.934823e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28932	0.56944444	6.098696e-03	1.056199e-03	NaN	1.00000000	0	1	0
##	28933	0.65277778	1.536313e-03	3.244534e-04	NaN	1.00000000	0	0	1
##	28934	0.79166667	8.147114e-03	2.070979e-05	NaN	1.00000000	0	0	1
##	28935	0.18055556	6.191806e-03	1.035490e-03	NaN	1.00000000	0	0	1
##	28936	0.98611111	7.216015e-03	7.869722e-04	NaN	1.00000000	0	0	0
##	28937	0.23611111	4.096834e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28938	0.76388889	7.122905e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28939	0.00000000	7.960894e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28940	0.93055556	0.000000e+00	8.283917e-05	NaN	1.00000000	0	0	0
##	28941	0.68055556	5.493482e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28942	0.18055556	2.886406e-03	1.449686e-04	NaN	1.00000000	1	0	0
##	28943	0.25000000	7.448790e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28944	0.80555556	7.495345e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28945	0.11111111	4.422719e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28946	0.11111111	9.636872e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28947	0.77777778	6.284916e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	28948	0.00000000	9.962756e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	28949	0.61111111	7.867784e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28950	0.97222222	0.000000e+00	2.761306e-05	NaN	1.00000000	0	0	0
##	28951	0.12500000	1.210428e-03	6.903265e-05	NaN	1.00000000	0	0	0

##	28952	0.45833333	5.353818e-03	1.035490e-04	NaN	1.00000000	1	0	0
##	28953	0.61111111	2.700186e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	28954	0.48611111	8.659218e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	28955	0.36111111	9.823091e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28956	0.20833333	5.726257e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	28957	0.02777778	5.307263e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	28958	0.25000000	5.586592e-04	1.090716e-03	NaN	1.00000000	0	0	0
##	28959	0.72222222	1.815642e-03	3.244534e-04	NaN	1.00000000	0	0	0
##	28960	0.25000000	3.026071e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28961	0.43055556	0.000000e+00	1.408266e-03	NaN	1.00000000	0	0	0
##	28962	0.45833333	5.121043e-03	8.974244e-05	NaN	1.00000000	1	0	0
##	28963	0.97222222	9.310987e-04	6.903265e-06	NaN	1.00000000	1	0	0
##	28964	0.73611111	3.584730e-03	4.556155e-04	NaN	1.00000000	1	0	0
##	28965	0.19444444	1.443203e-03	1.518718e-04	NaN	1.00000000	0	1	0
##	28966	0.98611111	7.262570e-03	1.380653e-05	NaN	1.00000000	0	1	0
##	28967	0.25000000	8.379888e-04	2.070979e-05	NaN	1.00000000	0	1	0
##	28968	0.54166667	4.283054e-03	1.242588e-04	NaN	1.00000000	0	0	1
##	28969	0.55555556	4.981378e-03	1.587751e-04	NaN	1.00000000	0	0	0
##	28970	0.13888889	3.072626e-03	2.899371e-04	NaN	1.00000000	0	0	0
##	28971	0.70833333	1.270950e-02	2.968404e-04	NaN	1.00000000	0	0	0
##	28972	0.73611111	8.379888e-04	6.903265e-06	NaN	1.00000000	0	0	0
##	28973	0.56944444	7.448790e-04	1.670590e-03	NaN	1.00000000	0	0	0
##	28974	0.65277778	6.610801e-03	3.451632e-05	NaN	1.00000000	0	0	0
##	28975	0.62500000	1.117318e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	28976	0.68055556	9.171322e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28977	0.27777778	7.914339e-04	9.664570e-05	NaN	1.00000000	0	0	0
##	28978	0.02777778	5.121043e-04	1.518718e-04	NaN	1.00000000	0	0	0
##	28979	0.44444444	2.234637e-03	5.177448e-04	NaN	1.00000000	0	0	0
##	28980	0.43055556	4.189944e-03	4.280024e-04	NaN	1.00000000	0	0	0
##	28981	0.91666667	0.000000e+00	8.283917e-05	NaN	1.00000000	1	0	0
##	28982	0.75000000	2.234637e-03	6.903265e-05	NaN	1.00000000	1	0	0
##	28983	0.62500000	3.026071e-03	1.380653e-05	NaN	1.00000000	1	0	0
##	28984	0.65277778	3.305400e-03	2.070979e-05	NaN	1.00000000	0	1	0
##	28985	0.38888889	7.914339e-04	1.449686e-04	NaN	1.00000000	0	1	0
##	28986	0.91666667	0.000000e+00	2.070979e-05	NaN	1.00000000	0	0	1
##	28987	0.52777778	2.001862e-03	6.903265e-05	NaN	1.00000000	0	0	1
##	28988	0.04166667	1.443203e-03	2.554208e-04	NaN	1.00000000	0	0	0
##	28989	0.43055556	5.167598e-03	1.725816e-04	NaN	1.00000000	0	0	0
##	28990	0.08333333	3.351955e-03	1.725816e-04	NaN	1.00000000	0	0	0
##	28991	0.47222222	9.310987e-04	7.593591e-05	NaN	1.00000000	0	0	0
##	28992	0.37500000	2.327747e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	28993	0.18055556	7.914339e-04	3.865828e-04	NaN	1.00000000	0	0	0
##	28994	0.86111111	1.443203e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	28995	0.19444444	8.379888e-04	2.761306e-05	NaN	1.00000000	0	0	0
##	28996	0.75000000	4.655493e-04	6.903265e-05	NaN	1.00000000	0	0	0
##	28997	0.12500000	2.793296e-03	2.899371e-04	NaN	1.00000000	1	0	0
##	28998	0.34722222	2.327747e-03	1.159748e-03	NaN	1.00000000	1	0	0
##	28999	0.45833333	0.000000e+00	6.972297e-04	NaN	1.00000000	0	1	0
##	29000	0.09722222	6.983240e-04	3.244534e-04	NaN	1.00000000	0	1	0
##	29001	0.87500000	3.864060e-03	2.278077e-04	NaN	1.00000000	0	1	0

##	29002	0.11111111	1.350093e-03	1.035490e-04	NaN	1.00000000	0	0	1
##	29003	0.90277778	0.000000e+00	1.622267e-03	NaN	1.00000000	0	0	1
##	29004	0.41666667	8.379888e-04	1.035490e-04	NaN	1.00000000	0	0	0
##	29005	0.09722222	2.141527e-03	1.932914e-04	NaN	1.00000000	0	0	0
##	29006	0.20833333	1.862197e-03	2.209045e-04	NaN	1.00000000	0	0	0
##	29007	0.40277778	8.845438e-04	2.761306e-05	NaN	1.00000000	0	0	0
##	29008	0.47222222	0.000000e+00	6.074873e-04	NaN	1.00000000	0	0	0
##	29009	0.51388889	4.189944e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29010	0.16666667	0.000000e+00	2.057173e-03	NaN	1.00000000	0	0	0
##	29011	0.02777778	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	29012	0.56944444	2.886406e-03	8.283917e-05	NaN	1.00000000	1	0	0
##	29013	0.05555556	0.000000e+00	7.455526e-04	NaN	1.00000000	1	0	0
##	29014	0.15277778	6.331471e-03	1.380653e-05	NaN	1.00000000	0	1	0
##	29015	0.50000000	1.908752e-03	6.903265e-05	NaN	1.00000000	0	1	0
##	29016	0.29166667	0.000000e+00	2.554208e-04	NaN	1.00000000	0	1	0
##	29017	0.88888889	9.543762e-03	9.664570e-05	NaN	0.13043478	0	0	1
##	29018	0.11111111	5.586592e-04	0.000000e+00	NaN	1.00000000	0	0	1
##	29019	0.15277778	2.932961e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	29020	0.43055556	0.000000e+00	7.973271e-03	NaN	0.08695652	0	0	0
##	29021	0.26388889	1.135940e-02	2.209045e-04	NaN	1.00000000	0	0	0
##	29022	0.87500000	7.960894e-03	3.451632e-05	NaN	1.00000000	0	0	0
##	29023	0.97222222	8.659218e-03	3.244534e-04	NaN	1.00000000	0	0	0
##	29024	0.06944444	6.191806e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29025	0.80555556	3.957169e-03	6.903265e-04	NaN	1.00000000	1	0	0
##	29026	0.76388889	1.140596e-02	4.763253e-04	NaN	1.00000000	1	0	0
##	29027	0.38888889	4.003724e-03	1.311620e-04	NaN	1.00000000	0	1	0
##	29028	0.30555556	3.957169e-03	1.035490e-04	NaN	1.00000000	0	0	1
##	29029	0.86111111	6.331471e-03	2.554208e-04	NaN	1.00000000	0	0	1
##	29030	0.41666667	5.912477e-03	5.936808e-04	NaN	1.00000000	0	0	0
##	29031	0.56944444	1.256983e-03	4.280024e-04	NaN	1.00000000	0	0	0
##	29032	0.26388889	4.655493e-04	1.380653e-05	NaN	1.00000000	0	0	0
##	29033	0.91666667	5.353818e-03	3.106469e-04	NaN	1.00000000	0	0	0
##	29034	0.04166667	5.260708e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29035	0.75000000	3.677840e-03	2.968404e-04	NaN	1.00000000	0	0	0
##	29036	0.98611111	4.841713e-03	3.175502e-04	NaN	1.00000000	0	0	0
##	29037	0.11111111	1.028864e-02	5.936808e-04	NaN	1.00000000	1	0	0
##	29038	0.16666667	7.960894e-03	1.725816e-04	NaN	1.00000000	0	1	0
##	29039	0.30555556	4.981378e-03	1.863881e-04	NaN	1.00000000	0	0	1
##	29040	0.44444444	8.007449e-03	1.104522e-04	NaN	0.13043478	0	0	0
##	29041	0.69444444	8.472998e-03	1.504912e-03	NaN	1.00000000	0	0	0
##	29042	0.95833333	1.531657e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29043	0.62500000	8.379888e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29044	0.59722222	1.987896e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29045	0.25000000	8.798883e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29046	0.86111111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	0
##	29047	0.33333333	5.181564e-02	2.070979e-05	NaN	1.00000000	0	1	0
##	29048	0.25000000	4.562384e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29049	0.12500000	1.028864e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29050	0.19444444	3.030726e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29051	0.56944444	8.798883e-03	1.380653e-05	NaN	1.00000000	0	0	0

##	29052	0.37500000	2.555866e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	29053	0.59722222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	29054	0.94444444	1.121974e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29055	0.59722222	8.891993e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	29056	0.63888889	9.124767e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29057	0.73611111	4.702048e-03	3.382600e-04	NaN	1.00000000	0	1	0
##	29058	0.15277778	1.284916e-02	1.380653e-05	NaN	1.00000000	0	1	0
##	29059	0.33333333	3.589385e-02	3.658730e-04	NaN	1.00000000	0	0	1
##	29060	0.04166667	1.359404e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29061	0.44444444	2.574488e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	29062	0.91666667	2.271881e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	29063	0.09722222	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	29064	0.05555556	1.126629e-02	1.035490e-04	NaN	1.00000000	0	0	0
##	29065	0.13888889	1.289572e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29066	0.73611111	2.872439e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29067	0.50000000	1.443203e-03	1.518718e-04	NaN	1.00000000	0	0	1
##	29068	0.81944444	2.094972e-03	1.449686e-04	NaN	1.00000000	0	0	0
##	29069	0.94444444	1.145251e-02	2.070979e-05	NaN	1.00000000	0	0	0
##	29070	0.65277778	2.094972e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	29071	0.25000000	1.945996e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	29072	0.80555556	2.718808e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	29073	0.81944444	1.340782e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	29074	0.25000000	2.257914e-02	6.903265e-05	NaN	1.00000000	0	0	0
##	29075	0.43055556	0.000000e+00	6.903265e-06	NaN	1.00000000	1	0	0
##	29076	0.40277778	0.000000e+00	2.761306e-05	NaN	1.00000000	0	0	0
##	29077	0.51388889	7.681564e-03	1.380653e-05	NaN	1.00000000	0	1	0
##	29078	0.94444444	1.843575e-02	2.070979e-05	NaN	1.00000000	0	0	0
##	29079	0.62500000	5.633147e-03	3.106469e-04	NaN	1.00000000	0	0	0
##	29080	0.54166667	0.000000e+00	1.725816e-04	NaN	1.00000000	0	0	0
##	29081	0.47222222	2.085661e-02	2.140012e-04	NaN	1.00000000	0	0	0
##	29082	0.11111111	2.094972e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	29083	0.56944444	5.540037e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29084	0.87500000	1.201117e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	29085	0.12500000	1.559590e-02	8.974244e-05	NaN	1.00000000	0	0	0
##	29086	0.04166667	5.214153e-03	1.380653e-05	NaN	1.00000000	0	1	0
##	29087	0.90277778	3.030726e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29088	0.25000000	6.424581e-03	8.283917e-05	NaN	1.00000000	0	0	0
##	29089	0.51388889	7.728119e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29090	0.44444444	6.517691e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29091	0.98611111	4.702048e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	29092	0.70833333	5.959032e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	29093	0.01388889	2.839851e-03	2.692273e-04	NaN	1.00000000	0	0	1
##	29094	0.93055556	7.262570e-03	1.318524e-03	NaN	1.00000000	0	0	0
##	29095	0.34722222	1.573557e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	29096	0.30555556	1.443203e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	29097	0.65277778	1.494413e-02	1.380653e-05	NaN	1.00000000	0	1	0
##	29098	0.29166667	8.147114e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29099	0.41666667	6.890130e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29100	0.44444444	3.514898e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	29101	0.79166667	3.989758e-02	0.000000e+00	NaN	1.00000000	0	0	1

##	29102	0.20833333	1.182495e-02	1.311620e-04	NaN	1.00000000	0	0	0
##	29103	0.15277778	1.606145e-02	1.104522e-04	NaN	1.00000000	0	0	0
##	29104	0.20833333	1.382682e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29105	0.00000000	1.415270e-02	1.242588e-04	NaN	1.00000000	1	0	0
##	29106	0.91666667	8.985102e-03	6.903265e-05	NaN	1.00000000	1	0	0
##	29107	0.91666667	2.067039e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29108	0.91666667	1.787709e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	29109	0.19444444	5.903166e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29110	0.30555556	1.918063e-02	2.070979e-05	NaN	1.00000000	0	0	0
##	29111	0.38888889	3.212291e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29112	0.11111111	7.122905e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29113	0.09722222	2.071695e-02	3.451632e-05	NaN	1.00000000	0	0	1
##	29114	0.11111111	1.173184e-02	6.903265e-06	NaN	1.00000000	1	0	0
##	29115	0.20833333	1.997207e-02	1.104522e-04	NaN	1.00000000	0	0	1
##	29116	0.72222222	4.343575e-02	7.593591e-05	NaN	1.00000000	0	0	1
##	29117	0.80555556	3.184358e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29118	0.12500000	8.472998e-03	8.283917e-05	NaN	1.00000000	0	0	0
##	29119	0.68055556	7.169460e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29120	0.04166667	7.169460e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	29121	0.93055556	9.450652e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29122	0.02777778	6.284916e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29123	0.59722222	4.175978e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29124	0.51388889	1.876164e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	29125	0.33333333	7.309125e-03	1.035490e-04	NaN	1.00000000	0	0	1
##	29126	0.29166667	3.114525e-02	1.449686e-04	NaN	1.00000000	0	0	0
##	29127	0.61111111	1.289572e-02	0.000000e+00	NaN	1.00000000	1	0	0
##	29128	0.27777778	2.635009e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	29129	0.19444444	2.355680e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29130	0.37500000	1.871508e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29131	0.12500000	1.671322e-02	1.725816e-04	NaN	1.00000000	1	0	0
##	29132	0.47222222	1.117318e-02	2.070979e-05	NaN	1.00000000	1	0	0
##	29133	0.50000000	9.962756e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29134	0.93055556	5.265363e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29135	0.54166667	2.867784e-02	3.244534e-04	NaN	1.00000000	0	0	0
##	29136	0.48611111	3.710428e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	29137	0.73611111	1.703911e-02	1.235684e-03	NaN	1.00000000	0	0	0
##	29138	0.38888889	1.173184e-02	8.283917e-05	NaN	1.00000000	0	0	0
##	29139	0.09722222	1.592179e-02	1.449686e-04	NaN	1.00000000	0	0	0
##	29140	0.59722222	6.061453e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29141	0.69444444	7.029795e-03	1.380653e-05	NaN	1.00000000	0	1	0
##	29142	0.18055556	1.973929e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29143	0.40277778	1.322160e-02	1.104522e-04	NaN	1.00000000	0	0	1
##	29144	0.63888889	2.793296e-03	3.244534e-04	NaN	1.00000000	0	0	0
##	29145	0.08333333	1.689944e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	29146	0.94444444	4.143389e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29147	0.47222222	1.862197e-03	2.554208e-04	NaN	1.00000000	0	0	0
##	29148	0.08333333	4.189944e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	29149	0.58333333	2.048417e-03	1.173555e-04	NaN	1.00000000	1	0	0
##	29150	0.43055556	2.932961e-03	4.487122e-04	NaN	1.00000000	0	0	1
##	29151	0.54166667	4.143389e-03	7.593591e-05	NaN	1.00000000	0	0	0

##	29152	0.54166667	3.212291e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	29153	0.20833333	1.471136e-02	1.104522e-04	NaN	1.00000000	0	1	0
##	29154	0.25000000	2.607076e-03	2.761306e-05	NaN	1.00000000	0	0	1
##	29155	0.40277778	8.379888e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29156	0.87500000	5.353818e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29157	0.66666667	8.016760e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29158	0.30555556	3.100559e-02	1.380653e-05	NaN	1.00000000	0	1	0
##	29159	0.73611111	3.081937e-02	2.070979e-05	NaN	1.00000000	0	1	0
##	29160	0.70833333	3.966480e-02	0.000000e+00	NaN	1.00000000	0	0	1
##	29161	0.76388889	5.586592e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29162	0.65277778	1.629423e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29163	0.16666667	8.333333e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	29164	0.76388889	1.494413e-02	1.380653e-05	NaN	1.00000000	0	1	0
##	29165	0.38888889	2.555866e-02	1.449686e-04	NaN	1.00000000	0	1	0
##	29166	0.44444444	5.679702e-03	1.518718e-04	NaN	1.00000000	0	0	1
##	29167	0.54166667	2.481378e-02	6.903265e-06	NaN	0.00000000	0	0	0
##	29168	0.43055556	3.026071e-02	6.903265e-06	NaN	0.13043478	0	0	0
##	29169	0.22222222	8.985102e-03	2.347110e-04	NaN	1.00000000	1	0	0
##	29170	0.91666667	9.497207e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29171	0.25000000	7.448790e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29172	0.20833333	4.283054e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29173	0.44444444	9.310987e-03	7.386493e-04	NaN	1.00000000	0	0	0
##	29174	0.88888889	2.746741e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29175	0.77777778	6.843575e-03	2.554208e-04	NaN	1.00000000	0	0	1
##	29176	0.40277778	1.210428e-02	3.934861e-04	NaN	1.00000000	0	1	0
##	29177	0.93055556	1.326816e-02	1.587751e-04	NaN	1.00000000	0	0	0
##	29178	0.30555556	1.075419e-02	1.794849e-04	NaN	1.00000000	1	0	0
##	29179	0.09722222	7.262570e-03	2.416143e-04	NaN	1.00000000	0	0	0
##	29180	0.40277778	8.612663e-03	8.283917e-05	NaN	1.00000000	0	0	0
##	29181	0.48611111	5.772812e-03	1.242588e-04	NaN	1.00000000	1	0	0
##	29182	0.80555556	1.783054e-02	1.311620e-04	NaN	1.00000000	1	0	0
##	29183	0.48611111	4.003724e-03	9.526505e-04	NaN	1.00000000	0	0	0
##	29184	0.12500000	6.610801e-03	1.518718e-04	NaN	1.00000000	0	0	0
##	29185	0.75000000	4.562384e-03	2.001947e-04	NaN	1.00000000	0	0	0
##	29186	0.47222222	1.452514e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29187	0.11111111	9.357542e-03	1.380653e-05	NaN	1.00000000	1	0	0
##	29188	0.13888889	1.527002e-02	1.380653e-05	NaN	1.00000000	0	0	1
##	29189	0.93055556	7.448790e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29190	0.56944444	5.865922e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29191	0.81944444	9.031657e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	29192	0.86111111	5.121043e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29193	0.05555556	1.033520e-02	1.725816e-04	NaN	1.00000000	0	0	0
##	29194	0.38888889	3.105214e-02	1.380653e-05	NaN	1.00000000	0	1	0
##	29195	0.73611111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	0
##	29196	0.90277778	9.869646e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29197	0.66666667	6.703911e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29198	0.93055556	8.891993e-03	7.593591e-05	NaN	1.00000000	0	0	0
##	29199	0.98611111	3.105214e-02	2.070979e-05	NaN	1.00000000	0	1	0
##	29200	0.26388889	3.105214e-02	0.000000e+00	NaN	1.00000000	0	1	0
##	29201	0.18055556	2.886406e-03	1.311620e-04	NaN	1.00000000	0	0	0

##	29202	0.56944444	6.517691e-03	8.283917e-05	NaN	1.00000000	0	0	0
##	29203	0.61111111	3.631285e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	29204	0.83333333	5.214153e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29205	0.16666667	0.000000e+00	1.242588e-04	NaN	1.00000000	0	0	0
##	29206	0.84722222	6.517691e-04	1.173555e-04	NaN	1.00000000	0	0	1
##	29207	0.86111111	0.000000e+00	8.974244e-05	NaN	1.00000000	0	0	0
##	29208	0.77777778	4.143389e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	29209	0.31944444	7.960894e-03	1.587751e-04	NaN	1.00000000	0	0	1
##	29210	0.83333333	9.078212e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29211	0.51388889	9.264432e-03	6.903265e-05	NaN	1.00000000	1	0	0
##	29212	0.87500000	9.450652e-03	2.968404e-04	NaN	1.00000000	0	0	0
##	29213	0.98611111	3.584730e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29214	0.37500000	8.891993e-03	7.593591e-05	NaN	1.00000000	0	0	0
##	29215	0.94444444	7.960894e-03	2.623241e-04	NaN	1.00000000	1	0	0
##	29216	0.09722222	4.469274e-03	3.106469e-04	NaN	1.00000000	0	0	1
##	29217	0.86111111	3.491620e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	29218	0.43055556	0.000000e+00	2.070979e-05	NaN	1.00000000	0	0	0
##	29219	0.05555556	1.908752e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	29220	0.94444444	1.094041e-02	7.593591e-05	NaN	1.00000000	0	1	0
##	29221	0.04166667	4.003724e-03	1.380653e-05	NaN	1.00000000	0	0	1
##	29222	0.15277778	3.724395e-04	1.173555e-04	NaN	1.00000000	0	0	0
##	29223	0.27777778	2.839851e-03	3.037436e-04	NaN	1.00000000	0	0	1
##	29224	0.01388889	3.677840e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29225	0.55555556	3.072626e-03	2.830338e-04	NaN	1.00000000	0	0	0
##	29226	0.52777778	1.024209e-03	1.242588e-04	NaN	1.00000000	0	0	0
##	29227	0.72222222	1.159218e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29228	0.90277778	0.000000e+00	9.664570e-05	NaN	1.00000000	0	0	0
##	29229	0.36111111	8.985102e-03	2.692273e-04	NaN	1.00000000	0	0	0
##	29230	0.91666667	5.679702e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29231	0.90277778	4.795158e-03	2.209045e-04	NaN	1.00000000	1	0	0
##	29232	0.02777778	7.355680e-03	1.794849e-04	NaN	1.00000000	0	0	1
##	29233	0.81944444	5.167598e-03	1.794849e-04	NaN	1.00000000	0	0	1
##	29234	0.94444444	0.000000e+00	6.903265e-06	NaN	1.00000000	0	0	0
##	29235	0.59722222	0.000000e+00	1.104522e-04	NaN	1.00000000	0	0	0
##	29236	0.11111111	3.910615e-03	8.283917e-05	NaN	1.00000000	0	1	0
##	29237	0.41666667	1.089385e-02	3.313567e-04	NaN	1.00000000	0	0	0
##	29238	0.90277778	1.000931e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29239	0.41666667	9.729981e-03	2.209045e-04	NaN	1.00000000	0	1	0
##	29240	0.65277778	2.420857e-03	1.932914e-04	NaN	1.00000000	0	0	0
##	29241	0.22222222	3.910615e-03	1.104522e-04	NaN	1.00000000	0	0	0
##	29242	0.00000000	5.260708e-03	1.587751e-04	NaN	1.00000000	0	0	0
##	29243	0.94444444	4.096834e-03	6.281971e-04	NaN	1.00000000	0	0	0
##	29244	0.30555556	4.283054e-03	8.283917e-05	NaN	1.00000000	0	0	0
##	29245	0.41666667	5.633147e-03	9.526505e-04	NaN	1.00000000	0	0	0
##	29246	0.33333333	1.149907e-02	5.936808e-04	NaN	1.00000000	0	0	0
##	29247	0.91666667	1.489758e-03	3.451632e-04	NaN	1.00000000	1	0	0
##	29248	0.59722222	2.560521e-03	9.664570e-05	NaN	1.00000000	0	1	0
##	29249	0.88888889	6.284916e-03	8.283917e-04	NaN	1.00000000	0	1	0
##	29250	0.95833333	4.795158e-03	2.830338e-04	NaN	1.00000000	0	0	1
##	29251	0.33333333	4.050279e-03	0.000000e+00	NaN	1.00000000	0	0	0

##	29252	0.34722222	8.193669e-03	1.242588e-04	NaN	1.00000000	0	0	1
##	29253	0.56944444	1.028864e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29254	0.05555556	6.238361e-03	1.449686e-04	NaN	1.00000000	0	0	0
##	29255	0.08333333	6.005587e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29256	0.15277778	2.607076e-03	1.380653e-04	NaN	1.00000000	1	0	0
##	29257	0.48611111	8.472998e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	29258	0.75000000	6.052142e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29259	0.05555556	1.457169e-02	9.664570e-05	NaN	1.00000000	0	0	1
##	29260	0.18055556	9.683426e-03	2.209045e-04	NaN	1.00000000	0	0	1
##	29261	0.55555556	3.817505e-03	1.380653e-05	NaN	1.00000000	0	0	1
##	29262	0.09722222	3.584730e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29263	0.47222222	8.891993e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	29264	0.44444444	3.910615e-03	4.003893e-04	NaN	1.00000000	0	0	0
##	29265	0.97222222	5.167598e-03	1.242588e-04	NaN	1.00000000	0	0	0
##	29266	0.75000000	3.212291e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29267	0.12500000	6.890130e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	29268	0.81944444	3.538175e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	29269	0.19444444	1.159218e-02	6.903265e-06	NaN	1.00000000	0	0	1
##	29270	0.84722222	4.003724e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29271	0.01388889	5.633147e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	29272	0.27777778	7.960894e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29273	0.08333333	4.748603e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	29274	0.59722222	3.445065e-03	1.380653e-04	NaN	1.00000000	0	0	0
##	29275	0.90277778	5.959032e-03	3.175502e-04	NaN	1.00000000	0	0	0
##	29276	0.23611111	5.819367e-03	6.903265e-05	NaN	1.00000000	0	0	1
##	29277	0.95833333	6.890130e-03	1.794849e-04	NaN	1.00000000	0	0	0
##	29278	0.05555556	4.515829e-03	2.347110e-04	NaN	1.00000000	0	0	0
##	29279	0.43055556	1.010242e-02	1.587751e-04	NaN	1.00000000	0	0	0
##	29280	0.06944444	4.050279e-03	1.242588e-04	NaN	1.00000000	0	0	0
##	29281	0.56944444	1.424581e-02	2.830338e-04	NaN	1.00000000	0	1	0
##	29282	0.72222222	6.936685e-03	4.210991e-04	NaN	1.00000000	0	0	1
##	29283	0.31944444	6.936685e-03	3.244534e-04	NaN	1.00000000	0	0	0
##	29284	0.72222222	8.845438e-03	3.037436e-04	NaN	1.00000000	0	0	0
##	29285	0.52777778	8.612663e-03	1.035490e-04	NaN	1.00000000	1	0	0
##	29286	0.83333333	1.629423e-03	3.796796e-04	NaN	1.00000000	0	1	0
##	29287	0.27777778	4.934823e-03	1.083813e-03	NaN	1.00000000	0	0	0
##	29288	0.83333333	6.238361e-03	3.589698e-04	NaN	1.00000000	0	0	0
##	29289	0.41666667	5.214153e-03	1.518718e-04	NaN	1.00000000	0	0	0
##	29290	0.97222222	4.096834e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	29291	0.23611111	3.384544e-02	1.380653e-05	NaN	1.00000000	0	0	0
##	29292	0.75000000	5.493482e-03	1.035490e-04	NaN	1.00000000	1	0	0
##	29293	1.00000000	1.466480e-02	6.903265e-06	NaN	1.00000000	0	0	0
##	29294	0.19444444	3.305400e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	29295	0.25000000	6.471136e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29296	0.02777778	5.121043e-03	7.593591e-05	NaN	1.00000000	0	0	0
##	29297	0.63888889	6.983240e-03	3.382600e-04	NaN	1.00000000	0	0	0
##	29298	0.97222222	8.985102e-03	7.593591e-04	NaN	1.00000000	0	1	0
##	29299	0.19444444	2.327747e-03	5.591644e-04	NaN	1.00000000	0	0	0
##	29300	0.58333333	3.677840e-03	1.863881e-04	NaN	1.00000000	0	0	0
##	29301	0.08333333	0.000000e+00	7.041330e-04	NaN	1.00000000	0	0	0

##	29302	0.19444444	7.262570e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29303	0.59722222	3.538175e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	29304	0.29166667	6.983240e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	29305	0.41666667	9.031657e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	29306	0.09722222	9.124767e-03	2.070979e-05	NaN	1.00000000	1	0	0
##	29307	0.76388889	4.702048e-03	9.664570e-04	NaN	1.00000000	0	0	1
##	29308	0.26388889	6.052142e-03	2.485175e-04	NaN	1.00000000	0	0	0
##	29309	0.50000000	9.217877e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	29310	0.43055556	4.795158e-03	2.623241e-04	NaN	1.00000000	0	0	0
##	29311	0.29166667	2.979516e-03	1.380653e-05	NaN	1.00000000	0	1	0
##	29312	0.86111111	1.629423e-02	7.593591e-05	NaN	1.00000000	0	0	1
##	29313	0.56944444	0.000000e+00	1.932914e-04	NaN	1.00000000	0	0	1
##	29314	0.47222222	1.433892e-02	6.903265e-05	NaN	1.00000000	0	0	0
##	29315	0.37500000	6.797020e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29316	0.48611111	6.284916e-03	1.656783e-04	NaN	1.00000000	0	0	0
##	29317	0.58333333	1.033520e-02	7.593591e-05	NaN	1.00000000	1	0	0
##	29318	0.44444444	1.675978e-03	2.070979e-04	NaN	1.00000000	0	0	0
##	29319	0.68055556	6.983240e-03	2.001947e-04	NaN	1.00000000	0	0	0
##	29320	0.34722222	7.216015e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29321	0.73611111	9.310987e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29322	0.02777778	6.471136e-03	3.934861e-04	NaN	1.00000000	0	0	0
##	29323	0.06944444	4.981378e-03	1.449686e-04	NaN	1.00000000	0	0	0
##	29324	0.62500000	8.472998e-03	2.001947e-04	NaN	1.00000000	0	0	0
##	29325	0.38888889	1.121974e-02	1.035490e-04	NaN	1.00000000	1	0	0
##	29326	0.43055556	4.702048e-03	2.692273e-04	NaN	1.00000000	0	1	0
##	29327	0.48611111	3.258845e-03	4.625187e-04	NaN	1.00000000	0	0	0
##	29328	0.41666667	6.191806e-03	4.280024e-04	NaN	1.00000000	0	0	0
##	29329	0.63888889	0.000000e+00	1.932914e-04	NaN	1.00000000	0	0	0
##	29330	0.95833333	6.750466e-03	3.520665e-04	NaN	1.00000000	0	0	0
##	29331	0.79166667	4.469274e-03	1.546331e-03	NaN	1.00000000	0	0	1
##	29332	0.90277778	7.402235e-03	1.518718e-04	NaN	1.00000000	1	0	0
##	29333	0.40277778	5.400372e-03	3.934861e-04	NaN	1.00000000	0	0	0
##	29334	0.20833333	3.072626e-03	1.863881e-04	NaN	1.00000000	0	0	0
##	29335	0.38888889	4.841713e-03	3.589698e-04	NaN	1.00000000	0	1	0
##	29336	0.06944444	4.562384e-03	7.386493e-04	NaN	1.00000000	0	1	0
##	29337	0.52777778	3.538175e-03	1.380653e-05	NaN	1.00000000	0	0	1
##	29338	0.69444444	4.236499e-03	1.587751e-04	NaN	1.00000000	0	0	0
##	29339	0.79166667	8.286778e-03	2.140012e-04	NaN	1.00000000	0	0	0
##	29340	0.55555556	5.214153e-03	5.660677e-04	NaN	1.00000000	0	1	0
##	29341	0.13888889	5.214153e-03	1.297814e-03	NaN	1.00000000	0	1	0
##	29342	0.47222222	4.376164e-03	4.141959e-04	NaN	1.00000000	0	0	1
##	29343	0.95833333	6.890130e-03	1.380653e-05	NaN	1.00000000	1	0	0
##	29344	0.04166667	6.797020e-03	1.380653e-04	NaN	1.00000000	0	0	0
##	29345	0.37500000	0.000000e+00	2.761306e-05	NaN	1.00000000	0	0	0
##	29346	0.36111111	8.519553e-03	1.794849e-04	NaN	1.00000000	0	0	0
##	29347	0.81944444	4.283054e-03	6.903265e-05	NaN	1.00000000	1	0	0
##	29348	0.30555556	1.019553e-02	6.903265e-06	NaN	1.00000000	1	0	0
##	29349	0.33333333	6.843575e-03	6.903265e-04	NaN	1.00000000	0	1	0
##	29350	0.52777778	5.121043e-03	1.000973e-03	NaN	1.00000000	0	0	0
##	29351	1.00000000	2.932961e-03	1.035490e-04	NaN	1.00000000	0	1	0

##	29352	0.23611111	2.141527e-03	1.725816e-04	NaN	1.00000000	0	1	0
##	29353	0.65277778	5.772812e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	29354	0.66666667	9.078212e-03	3.658730e-04	NaN	1.00000000	1	0	0
##	29355	0.76388889	5.353818e-03	3.727763e-04	NaN	1.00000000	0	1	0
##	29356	0.59722222	5.726257e-03	3.175502e-04	NaN	1.00000000	0	0	1
##	29357	0.77777778	6.424581e-03	1.587751e-04	NaN	1.00000000	0	0	0
##	29358	0.29166667	1.303538e-03	1.932914e-04	NaN	1.00000000	0	0	0
##	29359	0.12500000	3.165736e-03	1.104522e-04	NaN	1.00000000	0	0	0
##	29360	0.18055556	6.750466e-03	1.794849e-04	NaN	1.00000000	0	0	0
##	29361	0.61111111	6.284916e-03	1.104522e-04	NaN	1.00000000	0	0	0
##	29362	0.04166667	2.188082e-03	1.311620e-04	NaN	1.00000000	1	0	0
##	29363	0.88888889	4.795158e-03	2.347110e-04	NaN	1.00000000	0	1	0
##	29364	0.44444444	5.027933e-03	3.520665e-04	NaN	1.00000000	0	1	0
##	29365	0.73611111	5.726257e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	29366	0.19444444	1.117318e-03	2.140012e-04	NaN	1.00000000	0	0	0
##	29367	0.09722222	1.862197e-03	2.692273e-04	NaN	1.00000000	1	0	0
##	29368	0.20833333	2.886406e-03	2.070979e-05	NaN	1.00000000	1	0	0
##	29369	0.54166667	2.281192e-03	1.311620e-04	NaN	1.00000000	0	1	0
##	29370	0.15277778	2.374302e-03	1.380653e-04	NaN	1.00000000	0	0	0
##	29371	0.20833333	4.562384e-03	2.140012e-04	NaN	1.00000000	0	0	0
##	29372	0.73611111	4.748603e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	29373	0.56944444	2.653631e-03	2.001947e-04	NaN	1.00000000	0	0	0
##	29374	0.11111111	2.932961e-03	1.311620e-04	NaN	1.00000000	1	0	0
##	29375	0.73611111	4.795158e-03	2.761306e-05	NaN	1.00000000	1	0	0
##	29376	0.59722222	1.256983e-03	1.173555e-04	NaN	1.00000000	1	0	0
##	29377	0.33333333	4.981378e-03	1.725816e-04	NaN	1.00000000	0	1	0
##	29378	0.56944444	4.469274e-03	4.763253e-04	NaN	1.00000000	0	0	1
##	29379	0.18055556	3.864060e-03	1.311620e-04	NaN	1.00000000	0	0	1
##	29380	0.45833333	5.307263e-03	1.863881e-04	NaN	1.00000000	0	0	0
##	29381	0.01388889	1.350093e-03	8.560048e-04	NaN	1.00000000	0	0	0
##	29382	0.69444444	8.845438e-03	1.725816e-04	NaN	1.00000000	0	1	0
##	29383	0.95833333	6.424581e-03	3.244534e-04	NaN	1.00000000	0	0	1
##	29384	0.88888889	7.821229e-03	7.593591e-05	NaN	1.00000000	0	0	0
##	29385	0.30555556	5.633147e-03	9.181342e-04	NaN	1.00000000	0	0	0
##	29386	0.30555556	5.260708e-03	8.283917e-05	NaN	0.69565217	0	0	0
##	29387	0.15277778	2.979516e-03	6.903265e-06	NaN	1.00000000	1	0	0
##	29388	0.16666667	2.979516e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	29389	0.25000000	1.922719e-02	2.126205e-03	NaN	1.00000000	0	0	0
##	29390	0.50000000	1.075419e-02	6.986104e-03	NaN	1.00000000	1	0	0
##	29391	0.15277778	4.515829e-03	3.624214e-03	NaN	1.00000000	0	0	0
##	29392	0.20833333	2.700186e-03	7.731656e-04	NaN	1.00000000	0	0	1
##	29393	0.20833333	1.350093e-03	1.180458e-03	NaN	1.00000000	0	0	0
##	29394	0.25000000	1.303538e-03	8.214885e-04	NaN	1.00000000	0	0	0
##	29395	0.94444444	3.351955e-03	1.960527e-03	NaN	1.00000000	0	0	0
##	29396	0.52777778	3.957169e-03	9.595538e-04	NaN	1.00000000	1	0	0
##	29397	0.66666667	1.256983e-03	8.560048e-04	NaN	1.00000000	0	0	1
##	29398	0.02777778	1.908752e-03	3.037436e-04	NaN	1.00000000	0	0	0
##	29399	0.19444444	4.329609e-03	9.802636e-04	NaN	1.00000000	0	1	0
##	29400	0.23611111	1.955307e-03	2.630144e-03	NaN	1.00000000	0	0	0
##	29401	0.72222222	1.112663e-02	6.903265e-06	NaN	1.00000000	0	0	0

##	29402	0.27777778	4.934823e-03	3.451632e-05	NaN	1.00000000	0	0	0
##	29403	0.65277778	3.677840e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29404	0.95833333	6.797020e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29405	1.00000000	8.426443e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29406	0.41666667	5.726257e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29407	0.29166667	7.914339e-03	1.035490e-04	NaN	1.00000000	1	0	0
##	29408	0.65277778	2.327747e-03	2.070979e-05	NaN	1.00000000	0	1	0
##	29409	0.00000000	7.262570e-03	6.903265e-06	NaN	1.00000000	0	1	0
##	29410	0.20833333	5.260708e-03	1.242588e-04	NaN	1.00000000	0	0	1
##	29411	0.70833333	4.050279e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	29412	0.50000000	2.281192e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29413	0.33333333	4.050279e-03	1.380653e-04	NaN	1.00000000	0	0	0
##	29414	0.26388889	1.121974e-02	0.000000e+00	NaN	1.00000000	0	0	0
##	29415	0.95833333	6.843575e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29416	0.45833333	2.327747e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29417	0.20833333	5.633147e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29418	0.00000000	6.657356e-03	6.903265e-06	NaN	1.00000000	0	1	0
##	29419	0.33333333	3.212291e-03	6.903265e-06	NaN	1.00000000	0	1	0
##	29420	0.72222222	2.420857e-03	9.664570e-05	NaN	1.00000000	0	0	1
##	29421	0.87500000	1.256983e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	29422	0.20833333	5.633147e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29423	0.51388889	5.772812e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29424	0.12500000	2.839851e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	29425	0.58333333	6.471136e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29426	0.29166667	5.586592e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29427	0.34722222	1.070764e-03	3.893441e-03	NaN	1.00000000	0	0	0
##	29428	0.93055556	2.886406e-03	2.070979e-05	NaN	1.00000000	1	0	0
##	29429	0.75000000	4.934823e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29430	0.94444444	2.653631e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29431	0.61111111	4.283054e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29432	0.20833333	2.560521e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29433	0.94444444	4.702048e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29434	0.41666667	3.351955e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29435	0.81944444	2.839851e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29436	0.19444444	4.981378e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29437	0.12500000	4.143389e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29438	0.77777778	5.586592e-03	1.380653e-05	NaN	1.00000000	1	0	0
##	29439	0.29166667	6.191806e-03	2.761306e-05	NaN	1.00000000	1	0	0
##	29440	0.23611111	2.001862e-03	2.761306e-05	NaN	1.00000000	0	1	0
##	29441	0.79166667	5.865922e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29442	0.40277778	4.143389e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29443	0.95833333	6.191806e-03	6.903265e-05	NaN	1.00000000	0	0	1
##	29444	0.13888889	3.445065e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29445	0.52777778	6.750466e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29446	0.13888889	1.769088e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29447	0.70833333	6.052142e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29448	0.06944444	1.396648e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	29449	0.81944444	6.703911e-03	1.380653e-04	NaN	1.00000000	0	0	0
##	29450	0.34722222	1.675978e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29451	0.37500000	4.515829e-03	2.070979e-04	NaN	1.00000000	0	0	0

##	29452	1.00000000	1.396648e-03	6.903265e-05	NaN	1.00000000	0	0	0
##	29453	0.86111111	2.839851e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29454	0.51388889	5.446927e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29455	0.06944444	1.336127e-02	1.380653e-05	NaN	1.00000000	0	1	0
##	29456	0.04166667	4.469274e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29457	0.01388889	8.891993e-03	1.449686e-04	NaN	1.00000000	0	0	0
##	29458	0.80555556	7.169460e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29459	0.41666667	4.515829e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29460	0.83333333	6.098696e-03	7.662624e-04	NaN	1.00000000	1	0	0
##	29461	0.52777778	1.210428e-03	1.380653e-05	NaN	0.43478261	0	0	0
##	29462	0.54166667	6.331471e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	29463	0.61111111	6.936685e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29464	0.95833333	2.094972e-03	6.903265e-06	NaN	1.00000000	0	1	0
##	29465	0.50000000	6.750466e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29466	0.23611111	7.541899e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29467	0.41666667	7.635009e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29468	0.94444444	5.912477e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29469	0.54166667	4.329609e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29470	0.62500000	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
##	29471	0.38888889	6.750466e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	29472	0.04166667	0.000000e+00	6.903265e-06	NaN	1.00000000	1	0	0
##	29473	0.66666667	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
##	29474	0.70833333	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	29475	0.95833333	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	29476	0.43055556	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	29477	0.83333333	3.491620e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29478	0.98611111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	29479	0.29166667	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	29480	0.26388889	4.934823e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29481	0.50000000	4.655493e-04	0.000000e+00	NaN	1.00000000	1	0	0
##	29482	0.12500000	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	0
##	29483	0.38888889	7.635009e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29484	0.83333333	5.633147e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29485	1.00000000	7.402235e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29486	0.11111111	4.283054e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29487	0.59722222	3.351955e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29488	0.50000000	0.000000e+00	6.903265e-06	NaN	1.00000000	0	1	0
##	29489	0.02777778	5.772812e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29490	0.91666667	0.000000e+00	0.000000e+00	NaN	1.00000000	1	0	0
##	29491	0.38888889	3.770950e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29492	0.16666667	6.983240e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29493	0.34722222	9.264432e-03	0.000000e+00	NaN	1.00000000	1	0	0
##	29494	0.11111111	6.797020e-03	4.625187e-04	NaN	1.00000000	0	1	0
##	29495	0.91666667	6.424581e-03	1.518718e-02	NaN	1.00000000	0	1	0
##	29496	0.62500000	2.374302e-03	8.346047e-03	NaN	1.00000000	0	1	0
##	29497	0.13888889	5.214153e-03	1.919108e-03	NaN	1.00000000	0	1	0
##	29498	0.88888889	7.774674e-03	1.615364e-03	NaN	1.00000000	0	1	0
##	29499	0.30555556	4.515829e-03	8.283917e-05	NaN	1.00000000	0	0	1
##	29500	0.83333333	2.653631e-03	5.660677e-04	NaN	1.00000000	0	0	1
##	29501	0.16666667	6.098696e-03	1.000973e-03	NaN	1.00000000	0	0	1

##	29502	0.19444444	3.724395e-03	4.625187e-04	NaN	1.00000000	0	0	0
##	29503	0.36111111	1.620112e-02	3.134082e-03	NaN	1.00000000	0	0	0
##	29504	0.55555556	5.540037e-03	1.539428e-03	NaN	1.00000000	0	0	0
##	29505	0.40277778	5.121043e-03	1.257775e-02	NaN	1.00000000	0	0	0
##	29506	0.70833333	5.260708e-03	6.696167e-04	NaN	1.00000000	0	0	0
##	29507	0.29166667	4.329609e-03	2.222851e-03	NaN	1.00000000	0	0	0
##	29508	0.04166667	5.446927e-03	2.140012e-04	NaN	1.00000000	0	0	0
##	29509	0.01388889	5.074488e-03	4.970350e-03	NaN	1.00000000	0	0	0
##	29510	0.56944444	4.050279e-03	2.671563e-03	NaN	1.00000000	0	0	0
##	29511	0.41666667	3.584730e-03	7.662624e-04	NaN	1.00000000	0	0	0
##	29512	0.59722222	5.167598e-03	2.899371e-04	NaN	1.00000000	0	0	0
##	29513	0.68055556	4.981378e-03	6.281971e-04	NaN	1.00000000	0	0	0
##	29514	0.12500000	5.912477e-03	1.815559e-03	NaN	1.00000000	0	0	0
##	29515	0.81944444	5.400372e-03	5.108416e-04	NaN	1.00000000	0	0	0
##	29516	0.04166667	5.353818e-03	3.520665e-04	NaN	1.00000000	0	0	0
##	29517	0.33333333	3.445065e-03	2.050270e-03	NaN	1.00000000	0	0	0
##	29518	0.33333333	6.378026e-03	2.623241e-04	NaN	1.00000000	0	0	0
##	29519	0.63888889	5.679702e-03	2.402336e-03	NaN	1.00000000	0	0	0
##	29520	0.77777778	5.167598e-03	3.042269e-02	NaN	1.00000000	1	0	0
##	29521	0.44444444	1.862197e-03	1.317833e-02	NaN	1.00000000	1	0	0
##	29522	0.88888889	6.797020e-03	4.045313e-03	NaN	1.00000000	1	0	0
##	29523	0.86111111	5.540037e-03	3.424019e-03	NaN	1.00000000	1	0	0
##	29524	0.11111111	6.657356e-03	1.995043e-03	NaN	1.00000000	1	0	0
##	29525	0.41666667	5.772812e-03	3.654588e-02	NaN	1.00000000	0	1	0
##	29526	0.12500000	5.446927e-03	2.354013e-03	NaN	1.00000000	0	1	0
##	29527	0.06944444	6.517691e-03	2.761306e-04	NaN	1.00000000	0	1	0
##	29528	0.04166667	6.610801e-03	1.311620e-03	NaN	1.00000000	0	1	0
##	29529	0.27777778	8.240223e-03	1.449686e-04	NaN	1.00000000	0	1	0
##	29530	0.19444444	5.260708e-03	1.042393e-03	NaN	1.00000000	0	0	1
##	29531	0.90277778	4.515829e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29532	0.91666667	3.026071e-03	9.802636e-04	NaN	1.00000000	0	0	1
##	29533	0.15277778	6.936685e-03	8.905211e-04	NaN	1.00000000	0	0	1
##	29534	0.69444444	2.327747e-03	3.292857e-03	NaN	1.00000000	0	0	1
##	29535	0.61111111	4.189944e-03	2.920081e-03	NaN	1.00000000	0	0	1
##	29536	0.44444444	6.052142e-03	1.021683e-03	NaN	1.00000000	0	0	1
##	29537	0.79166667	3.910615e-03	4.970350e-04	NaN	1.00000000	0	0	0
##	29538	0.93055556	3.677840e-03	5.108416e-04	NaN	1.00000000	0	0	0
##	29539	0.68055556	4.608939e-03	6.765199e-04	NaN	1.00000000	0	0	0
##	29540	0.02777778	1.233706e-02	1.104522e-04	NaN	1.00000000	0	0	0
##	29541	0.31944444	5.772812e-03	9.457472e-04	NaN	1.00000000	0	0	0
##	29542	0.50000000	1.880819e-02	5.798742e-04	NaN	1.00000000	0	0	0
##	29543	0.94444444	3.445065e-03	5.522612e-04	NaN	1.00000000	0	0	0
##	29544	0.62500000	4.608939e-03	4.763253e-04	NaN	1.00000000	0	0	0
##	29545	0.16666667	5.540037e-03	3.879635e-03	NaN	1.00000000	0	0	0
##	29546	0.91666667	5.865922e-03	7.317460e-04	NaN	1.00000000	0	0	0
##	29547	0.98611111	7.681564e-03	1.366846e-03	NaN	1.00000000	0	0	0
##	29548	0.70833333	5.959032e-03	4.832285e-05	NaN	1.00000000	0	0	0
##	29549	0.13888889	5.540037e-03	3.796796e-04	NaN	1.00000000	0	0	0
##	29550	0.30555556	5.446927e-03	6.696167e-04	NaN	1.00000000	0	0	0
##	29551	0.11111111	1.489758e-03	7.959464e-03	NaN	1.00000000	0	0	0

##	29552	0.31944444	5.400372e-03	7.607398e-03	NaN	1.00000000	0	0	0
##	29553	0.94444444	2.825885e-02	2.471369e-03	NaN	1.00000000	0	0	0
##	29554	0.25000000	2.467412e-03	1.560138e-03	NaN	1.00000000	0	0	0
##	29555	0.27777778	3.724395e-03	2.485175e-04	NaN	1.00000000	0	0	0
##	29556	0.81944444	6.610801e-03	1.380653e-03	NaN	1.00000000	0	0	0
##	29557	0.47222222	2.513966e-03	5.909194e-03	NaN	1.00000000	1	0	0
##	29558	0.05555556	4.841713e-03	1.103832e-02	NaN	1.00000000	1	0	0
##	29559	0.16666667	3.864060e-03	5.108416e-04	NaN	1.00000000	1	0	0
##	29560	0.80555556	6.145251e-03	1.981237e-03	NaN	1.00000000	1	0	0
##	29561	0.58333333	5.959032e-03	7.455526e-04	NaN	1.00000000	1	0	0
##	29562	0.33333333	6.052142e-03	6.668554e-03	NaN	1.00000000	0	1	0
##	29563	0.86111111	4.376164e-03	1.014780e-03	NaN	1.00000000	0	1	0
##	29564	0.87500000	0.000000e+00	6.834232e-04	NaN	1.00000000	0	1	0
##	29565	0.93055556	4.515829e-03	3.658730e-04	NaN	1.00000000	0	1	0
##	29566	0.56944444	5.586592e-03	9.802636e-04	NaN	1.00000000	0	1	0
##	29567	0.86111111	4.515829e-03	1.380653e-05	NaN	1.00000000	0	0	1
##	29568	0.13888889	3.072626e-03	7.731656e-04	NaN	1.00000000	0	0	1
##	29569	0.30555556	3.584730e-03	1.208071e-03	NaN	1.00000000	0	0	1
##	29570	0.88888889	6.517691e-03	6.351003e-04	NaN	1.00000000	0	0	1
##	29571	0.58333333	6.424581e-03	5.232675e-03	NaN	1.00000000	0	0	1
##	29572	0.69444444	4.096834e-03	3.796796e-04	NaN	1.00000000	0	0	0
##	29573	0.52777778	3.817505e-03	7.110362e-04	NaN	1.00000000	0	0	0
##	29574	0.11111111	6.191806e-03	1.649880e-03	NaN	1.00000000	0	0	0
##	29575	0.56944444	2.374302e-03	1.024444e-02	NaN	1.00000000	0	0	0
##	29576	0.04166667	5.912477e-03	1.271581e-02	NaN	1.00000000	0	0	0
##	29577	0.93055556	8.240223e-03	2.609434e-03	NaN	1.00000000	0	0	0
##	29578	0.41666667	6.191806e-03	1.097619e-03	NaN	1.00000000	0	0	0
##	29579	0.86111111	6.005587e-03	3.341180e-03	NaN	1.00000000	0	0	0
##	29580	0.52777778	0.000000e+00	6.281971e-04	NaN	1.00000000	0	0	0
##	29581	0.01388889	4.748603e-03	1.139729e-02	NaN	1.00000000	0	0	0
##	29582	0.48611111	5.260708e-03	7.393396e-03	NaN	1.00000000	0	0	0
##	29583	0.23611111	6.191806e-03	2.878661e-03	NaN	1.00000000	0	0	0
##	29584	0.52777778	5.074488e-03	1.580848e-03	NaN	1.00000000	0	0	0
##	29585	0.72222222	4.655493e-03	8.421983e-04	NaN	1.00000000	0	0	0
##	29586	0.94444444	5.493482e-03	1.076219e-02	NaN	1.00000000	0	0	0
##	29587	0.95833333	2.653631e-03	6.447649e-03	NaN	1.00000000	0	0	0
##	29588	0.43055556	5.307263e-03	1.511815e-03	NaN	1.00000000	0	0	0
##	29589	0.69444444	4.562384e-03	1.325427e-03	NaN	1.00000000	0	0	0
##	29590	0.36111111	4.934823e-03	1.056199e-03	NaN	1.00000000	0	0	0
##	29591	0.62500000	5.167598e-03	2.996017e-03	NaN	1.00000000	1	0	0
##	29592	0.55555556	5.493482e-03	2.209045e-04	NaN	1.00000000	1	0	0
##	29593	0.72222222	6.610801e-03	8.007787e-04	NaN	1.00000000	1	0	0
##	29594	0.56944444	7.541899e-03	1.000973e-03	NaN	1.00000000	1	0	0
##	29595	0.97222222	5.912477e-03	2.359536e-02	NaN	1.00000000	0	1	0
##	29596	0.68055556	3.584730e-03	3.575891e-03	NaN	1.00000000	0	1	0
##	29597	0.38888889	6.378026e-03	2.678467e-03	NaN	1.00000000	0	1	0
##	29598	0.18055556	8.519553e-03	4.072926e-04	NaN	1.00000000	0	1	0
##	29599	0.02777778	4.329609e-03	3.161695e-03	NaN	1.00000000	0	0	1
##	29600	0.70833333	5.353818e-03	4.487122e-04	NaN	1.00000000	0	0	0
##	29601	0.88888889	5.307263e-03	2.643950e-03	NaN	1.00000000	0	0	0

##	29602	0.58333333	1.000931e-02	8.214885e-04	NaN	1.00000000	0	0	0
##	29603	0.31944444	7.495345e-03	1.463492e-03	NaN	1.00000000	0	0	0
##	29604	0.63888889	0.000000e+00	2.070979e-05	NaN	1.00000000	0	0	0
##	29605	0.33333333	6.378026e-03	1.663687e-03	NaN	1.00000000	0	0	0
##	29606	0.61111111	0.000000e+00	2.174528e-03	NaN	1.00000000	0	0	0
##	29607	0.95833333	5.400372e-03	1.007877e-02	NaN	1.00000000	0	0	0
##	29608	0.13888889	3.398510e-03	2.692273e-03	NaN	1.00000000	0	0	0
##	29609	0.84722222	6.703911e-03	1.228781e-03	NaN	1.00000000	0	0	0
##	29610	0.01388889	6.145251e-03	1.076909e-03	NaN	1.00000000	0	0	0
##	29611	0.11111111	5.586592e-03	1.067245e-02	NaN	1.00000000	1	0	0
##	29612	0.65277778	3.398510e-03	5.453579e-03	NaN	1.00000000	1	0	0
##	29613	0.40277778	2.932961e-03	1.932914e-04	NaN	1.00000000	1	0	0
##	29614	0.30555556	5.819367e-03	1.601557e-03	NaN	1.00000000	1	0	0
##	29615	0.52777778	6.471136e-03	1.601557e-03	NaN	1.00000000	1	0	0
##	29616	0.65277778	5.633147e-03	1.471776e-02	NaN	1.00000000	0	1	0
##	29617	0.47222222	3.957169e-03	1.359943e-03	NaN	1.00000000	0	1	0
##	29618	0.86111111	7.681564e-03	1.649880e-03	NaN	1.00000000	0	1	0
##	29619	0.98611111	5.400372e-03	2.886255e-02	NaN	1.00000000	0	0	1
##	29620	0.44444444	4.143389e-03	8.884501e-03	NaN	1.00000000	0	0	1
##	29621	0.44444444	5.493482e-03	7.883528e-03	NaN	1.00000000	0	0	1
##	29622	0.81944444	5.586592e-03	1.208071e-03	NaN	1.00000000	0	0	1
##	29623	0.30555556	6.238361e-03	1.705106e-03	NaN	1.00000000	0	0	1
##	29624	0.62500000	5.540037e-03	2.084786e-03	NaN	1.00000000	0	0	1
##	29625	0.40277778	4.562384e-03	1.173555e-04	NaN	1.00000000	0	0	0
##	29626	0.33333333	4.934823e-03	8.007787e-04	NaN	1.00000000	0	0	0
##	29627	0.36111111	2.188082e-03	4.901318e-04	NaN	1.00000000	0	0	0
##	29628	0.31944444	6.238361e-03	1.470395e-03	NaN	1.00000000	0	0	0
##	29629	0.66666667	4.189944e-03	2.471369e-03	NaN	1.00000000	0	0	0
##	29630	0.58333333	1.215084e-02	1.049296e-03	NaN	1.00000000	0	0	0
##	29631	0.56944444	6.238361e-03	6.281971e-04	NaN	1.00000000	0	0	0
##	29632	0.97222222	4.329609e-03	4.003893e-04	NaN	1.00000000	0	0	0
##	29633	0.05555556	7.076350e-03	2.278077e-04	NaN	1.00000000	0	0	0
##	29634	0.00000000	1.047486e-02	5.867775e-04	NaN	1.00000000	0	0	0
##	29635	0.19444444	8.240223e-03	2.029560e-03	NaN	1.00000000	0	0	0
##	29636	0.27777778	3.119181e-03	5.798742e-04	NaN	1.00000000	0	0	0
##	29637	1.00000000	6.005587e-03	1.201168e-03	NaN	1.00000000	0	0	0
##	29638	0.45833333	3.631285e-03	8.767146e-04	NaN	1.00000000	1	0	0
##	29639	0.87500000	5.540037e-03	1.725816e-04	NaN	1.00000000	1	0	0
##	29640	0.44444444	7.076350e-03	1.311620e-04	NaN	1.00000000	1	0	0
##	29641	0.00000000	6.936685e-03	9.733603e-04	NaN	1.00000000	1	0	0
##	29642	0.56944444	5.167598e-03	1.357872e-02	NaN	1.00000000	0	1	0
##	29643	0.40277778	1.396648e-03	4.031506e-03	NaN	1.00000000	0	1	0
##	29644	0.50000000	3.817505e-03	7.110362e-04	NaN	1.00000000	0	1	0
##	29645	0.22222222	9.357542e-03	1.208071e-03	NaN	1.00000000	0	1	0
##	29646	0.22222222	6.471136e-03	1.028586e-03	NaN	1.00000000	0	1	0
##	29647	0.12500000	5.400372e-03	5.108416e-04	NaN	1.00000000	0	1	0
##	29648	0.13888889	4.189944e-03	1.449686e-04	NaN	1.00000000	0	0	1
##	29649	0.66666667	2.979516e-03	1.014780e-03	NaN	1.00000000	0	0	1
##	29650	0.58333333	2.839851e-03	6.005840e-04	NaN	1.00000000	0	0	1
##	29651	0.72222222	6.238361e-03	6.903265e-04	NaN	1.00000000	0	0	1

##	29652	0.08333333	7.960894e-03	7.938754e-04	NaN	1.00000000	0	0	1
##	29653	0.06944444	5.307263e-03	2.209045e-04	NaN	1.00000000	0	0	0
##	29654	0.01388889	3.864060e-03	4.487122e-04	NaN	1.00000000	0	0	0
##	29655	0.05555556	6.797020e-03	3.196211e-03	NaN	1.00000000	0	0	0
##	29656	0.73611111	6.098696e-03	6.351003e-04	NaN	1.00000000	0	0	0
##	29657	0.63888889	3.026071e-03	6.489069e-04	NaN	1.00000000	0	0	0
##	29658	0.58333333	6.983240e-03	2.209045e-04	NaN	1.00000000	0	0	0
##	29659	0.88888889	4.888268e-03	1.298504e-02	NaN	1.00000000	0	0	0
##	29660	1.00000000	9.124767e-03	3.838215e-03	NaN	1.00000000	0	0	0
##	29661	0.70833333	8.519553e-03	2.326400e-03	NaN	1.00000000	0	0	0
##	29662	0.63888889	7.309125e-03	6.236409e-02	NaN	1.00000000	0	0	0
##	29663	0.73611111	4.283054e-03	5.246481e-04	NaN	1.00000000	0	0	0
##	29664	0.80555556	5.679702e-03	1.925320e-02	NaN	1.00000000	0	0	0
##	29665	0.26388889	2.746741e-03	5.039383e-03	NaN	1.00000000	0	0	0
##	29666	0.09722222	4.236499e-03	2.326400e-03	NaN	1.00000000	0	0	0
##	29667	0.02777778	6.657356e-03	1.118329e-03	NaN	1.00000000	0	0	0
##	29668	0.41666667	4.748603e-03	5.867775e-04	NaN	1.00000000	1	0	0
##	29669	0.15277778	5.493482e-03	1.850075e-03	NaN	1.00000000	1	0	0
##	29670	0.05555556	3.538175e-03	1.863881e-04	NaN	1.00000000	0	1	0
##	29671	0.79166667	4.469274e-03	1.725816e-03	NaN	1.00000000	0	1	0
##	29672	0.65277778	2.886406e-03	1.380653e-04	NaN	1.00000000	0	0	1
##	29673	0.98611111	5.027933e-03	4.280024e-04	NaN	1.00000000	0	0	1
##	29674	0.97222222	3.910615e-03	4.659704e-03	NaN	1.00000000	0	0	0
##	29675	0.94444444	4.981378e-03	4.487122e-04	NaN	1.00000000	0	0	0
##	29676	0.05555556	1.033520e-02	5.729710e-04	NaN	1.00000000	0	0	0
##	29677	0.79166667	4.329609e-03	5.591644e-04	NaN	1.00000000	0	0	0
##	29678	0.87500000	5.493482e-03	1.518718e-04	NaN	1.00000000	0	0	0
##	29679	0.40277778	5.493482e-03	3.796796e-04	NaN	1.00000000	0	0	0
##	29680	0.05555556	5.493482e-03	3.713956e-03	NaN	1.00000000	0	0	0
##	29681	0.86111111	5.772812e-03	6.537392e-03	NaN	1.00000000	0	0	0
##	29682	0.44444444	2.374302e-03	6.420036e-04	NaN	1.00000000	0	0	0
##	29683	0.38888889	6.284916e-03	1.194265e-03	NaN	1.00000000	0	0	0
##	29684	0.18055556	1.662011e-02	1.284007e-03	NaN	1.00000000	0	0	0
##	29685	0.86111111	4.841713e-03	2.968404e-03	NaN	1.00000000	0	0	0
##	29686	0.18055556	5.353818e-03	2.001947e-03	NaN	1.00000000	0	0	0
##	29687	0.15277778	7.774674e-03	4.349057e-04	NaN	1.00000000	0	0	0
##	29688	0.09722222	2.746741e-03	5.881581e-03	NaN	1.00000000	0	0	0
##	29689	0.25000000	3.631285e-03	3.589698e-04	NaN	1.00000000	0	0	0
##	29690	0.26388889	4.608939e-03	5.315514e-04	NaN	1.00000000	0	0	0
##	29691	0.76388889	0.000000e+00	8.283917e-05	NaN	1.00000000	0	0	0
##	29692	0.34722222	6.610801e-03	7.496945e-03	NaN	1.00000000	0	0	0
##	29693	0.50000000	5.726257e-03	5.791839e-03	NaN	1.00000000	0	0	0
##	29694	0.36111111	4.841713e-03	1.449686e-04	NaN	1.00000000	0	0	0
##	29695	0.41666667	5.772812e-03	3.858925e-03	NaN	1.00000000	0	0	0
##	29696	0.88888889	4.283054e-03	3.845118e-03	NaN	1.00000000	1	0	0
##	29697	0.43055556	4.003724e-03	4.003893e-04	NaN	1.00000000	1	0	0
##	29698	0.84722222	4.981378e-03	6.675457e-03	NaN	1.00000000	0	1	0
##	29699	0.86111111	2.467412e-03	1.753429e-03	NaN	1.00000000	0	1	0
##	29700	0.13888889	4.376164e-03	9.802636e-04	NaN	1.00000000	0	1	0
##	29701	0.76388889	6.378026e-03	1.297814e-03	NaN	1.00000000	0	0	1

##	29702	0.59722222	3.817505e-03	6.281971e-04	NaN	0.86956522	0	0	1
##	29703	0.41666667	4.329609e-03	8.566951e-03	NaN	0.95652174	0	0	0
##	29704	0.56944444	2.281192e-03	7.697140e-03	NaN	0.43478261	0	0	0
##	29705	0.31944444	8.659218e-03	7.476236e-03	NaN	0.82608696	0	0	0
##	29706	0.43055556	1.019553e-02	1.794849e-03	NaN	0.43478261	0	0	0
##	29707	0.12500000	1.201117e-02	1.698203e-03	NaN	1.00000000	0	0	0
##	29708	0.30555556	4.189944e-03	8.974244e-05	NaN	1.00000000	0	0	0
##	29709	0.01388889	4.143389e-03	0.000000e+00	NaN	1.00000000	0	0	0
##	29710	0.55555556	2.420857e-03	1.656783e-04	NaN	1.00000000	0	0	0
##	29711	0.73611111	9.729981e-03	6.972297e-04	NaN	1.00000000	0	0	0
##	29712	0.80555556	0.000000e+00	4.487122e-03	NaN	1.00000000	0	0	0
##	29713	0.54166667	1.256983e-03	1.035490e-04	NaN	1.00000000	0	0	0
##	29714	0.66666667	3.724395e-03	1.380653e-05	NaN	1.00000000	1	0	0
##	29715	0.84722222	5.214153e-03	7.593591e-05	NaN	1.00000000	1	0	0
##	29716	0.13888889	2.188082e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29717	0.19444444	2.374302e-03	6.903265e-05	NaN	1.00000000	0	1	0
##	29718	0.15277778	3.538175e-03	6.903265e-06	NaN	1.00000000	0	0	1
##	29719	0.34722222	0.000000e+00	8.283917e-05	NaN	1.00000000	0	0	0
##	29720	0.69444444	6.331471e-03	3.520665e-04	NaN	1.00000000	0	0	0
##	29721	0.70833333	3.119181e-03	3.451632e-05	NaN	1.00000000	0	0	0
##	29722	0.27777778	6.936685e-03	1.698203e-03	NaN	1.00000000	0	0	0
##	29723	0.55555556	4.189944e-03	8.283917e-05	NaN	1.00000000	0	1	0
##	29724	0.11111111	0.000000e+00	0.000000e+00	NaN	1.00000000	0	0	0
##	29725	0.26388889	3.445065e-03	0.000000e+00	NaN	1.00000000	0	0	1
##	29726	0.56944444	7.541899e-03	1.518718e-04	NaN	1.00000000	0	0	0
##	29727	0.04166667	2.188082e-03	2.761306e-05	NaN	1.00000000	0	0	0
##	29728	0.38888889	6.098696e-03	2.070979e-05	NaN	1.00000000	0	0	0
##	29729	0.83333333	6.191806e-03	1.311620e-04	NaN	1.00000000	0	0	0
##	29730	0.63888889	7.495345e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29731	0.88888889	5.726257e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29732	0.00000000	6.052142e-03	1.380653e-05	NaN	1.00000000	0	0	0
##	29733	0.61111111	6.843575e-03	8.283917e-05	NaN	1.00000000	1	0	0
##	29734	0.61111111	1.080074e-02	0.000000e+00	NaN	1.00000000	1	0	0
##	29735	0.58333333	9.357542e-03	6.903265e-06	NaN	1.00000000	0	1	0
##	29736	0.69444444	9.823091e-03	1.242588e-04	NaN	1.00000000	0	1	0
##	29737	0.56944444	8.240223e-03	8.974244e-05	NaN	1.00000000	0	1	0
##	29738	0.08333333	7.402235e-03	1.449686e-04	NaN	1.00000000	0	0	1
##	29739	0.13888889	1.350093e-03	1.242588e-04	NaN	1.00000000	0	0	1
##	29740	0.94444444	9.310987e-03	2.070979e-05	NaN	1.00000000	0	0	1
##	29741	0.88888889	2.048417e-03	5.591644e-04	NaN	1.00000000	0	0	0
##	29742	0.98611111	1.815642e-03	1.725816e-04	NaN	1.00000000	0	0	0
##	29743	0.61111111	1.117318e-03	2.278077e-04	NaN	1.00000000	0	0	0
##	29744	0.13888889	2.011173e-02	1.656783e-04	NaN	1.00000000	0	0	0
##	29745	0.05555556	3.398510e-03	2.140012e-04	NaN	1.00000000	0	0	0
##	29746	0.97222222	6.890130e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29747	0.75000000	6.284916e-03	6.903265e-06	NaN	1.00000000	0	0	0
##	29748	0.20833333	6.005587e-03	1.380653e-05	NaN	1.00000000	1	0	0
##	29749	0.25000000	4.329609e-03	1.781042e-03	NaN	1.00000000	0	1	0
##	29750	0.70833333	3.864060e-03	0.000000e+00	NaN	1.00000000	0	1	0
##	29751	0.84722222	4.003724e-03	6.903265e-06	NaN	1.00000000	0	1	0

##	29752	0.81944444	3.770950e-03	2.416143e-04	NaN	1.00000000	0	0	0		
##	29753	0.02777778	0.000000e+00	0.000000e+00	NaN	1.00000000	0	1	0		
##	29754	0.40277778	5.214153e-03	7.938754e-04	NaN	1.00000000	0	1	0		
##	29755	0.29166667	8.891993e-03	2.140012e-04	NaN	1.00000000	0	0	0		
##	29756	0.90277778	7.914339e-04	1.242588e-04	NaN	1.00000000	0	0	0		
##	29757	0.11111111	3.910615e-03	1.242588e-04	NaN	1.00000000	0	0	0		
##	29758	0.61111111	5.493482e-03	1.035490e-04	NaN	1.00000000	0	0	0		
##	29759	0.75000000	2.420857e-03	1.104522e-04	NaN	1.00000000	0	0	0		
##	29760	0.20833333	7.029795e-03	1.173555e-04	NaN	1.00000000	0	0	0		
##	29761	0.15277778	7.309125e-03	9.664570e-05	NaN	1.00000000	0	0	0		
##	29762	0.93055556	6.564246e-03	1.380653e-05	NaN	1.00000000	0	0	0		
##	29763	0.80555556	5.679702e-03	8.283917e-05	NaN	1.00000000	0	0	0		
##	29764	0.33333333	2.746741e-03	1.311620e-04	NaN	1.00000000	0	0	0		
##	29765	0.56944444	8.798883e-03	0.000000e+00	NaN	1.00000000	1	0	0		
##	29766	0.47222222	5.912477e-03	4.280024e-04	NaN	1.00000000	1	0	0		
##	29767	0.81944444	4.329609e-03	0.000000e+00	NaN	1.00000000	1	0	0		
##	29768	0.58333333	7.681564e-03	0.000000e+00	NaN	1.00000000	1	0	0		
##	29769	0.15277778	8.007449e-03	6.903265e-06	NaN	1.00000000	0	1	0		
##	29770	0.98611111	2.700186e-03	6.903265e-06	NaN	1.00000000	0	1	0		
##	29771	0.20833333	4.376164e-03	1.173555e-04	NaN	1.00000000	0	1	0		
##	29772	0.23611111	8.798883e-03	1.380653e-05	NaN	1.00000000	0	1	0		
##	29773	0.04166667	5.307263e-03	6.903265e-05	NaN	1.00000000	0	0	1		
##	29774	0.23611111	7.588454e-03	8.283917e-05	NaN	1.00000000	0	0	1		
##	29775	0.95833333	3.072626e-03	1.035490e-04	NaN	1.00000000	0	0	1		
##	29776	0.43055556	9.729981e-03	9.664570e-05	NaN	1.00000000	0	0	0		
##	29777	0.80555556	8.705773e-03	1.587751e-04	NaN	1.00000000	0	0	0		
##	29778	0.25000000	2.094972e-03	2.830338e-04	NaN	1.00000000	0	0	0		
##	29779	0.88888889	3.491620e-03	7.593591e-05	NaN	1.00000000	0	0	0		
##	29780	0.01388889	3.910615e-03	6.903265e-06	NaN	1.00000000	0	0	0		
##	29781	0.52777778	6.610801e-03	1.863881e-04	NaN	1.00000000	1	0	0		
##	29782	0.06944444	1.797020e-02	6.903265e-05	NaN	1.00000000	0	1	0		
##	29783	0.81944444	7.728119e-03	6.903265e-05	NaN	1.00000000	0	0	0		
##	29784	0.90277778	1.536313e-03	1.753429e-03	NaN	1.00000000	0	0	0		
##	29785	0.22222222	1.741155e-02	8.974244e-05	NaN	1.00000000	0	0	0		
##	29786	0.65277778	6.657356e-03	2.416143e-04	NaN	1.00000000	0	0	0		
##	29787	0.87500000	1.284916e-02	0.000000e+00	NaN	1.00000000	0	0	0		
##	29788	0.26388889	5.633147e-03	8.974244e-05	NaN	1.00000000	0	0	0		
##		X1.1	X0.10	X0.11	X0.12	X0.13	X0.14	X0.15	X0.16	X0.17	X0.18

## 28016	0	0	1	0	1	0	0	0	0	0	0
## 28017	0	0	0	1	0	0	1	0	0	0	0
## 28018	0	0	0	0	1	0	0	0	0	0	0
## 28019	0	0	0	0	0	0	1	0	0	0	0
## 28020	0	0	0	0	0	0	0	0	0	1	0
## 28021	1	0	0	0	0	0	0	0	0	1	0
## 28022	1	0	0	0	0	0	0	0	1	0	0
## 28023	0	1	0	0	0	0	0	0	0	0	1
## 28024	0	1	0	0	0	0	0	0	0	1	0
## 28025	0	0	1	0	0	1	0	0	0	0	0
## 28026	0	0	1	0	0	1	0	0	0	0	0
## 28027	0	0	0	1	0	1	0	0	0	0	0
## 28028	0	0	0	1	0	1	0	0	0	0	0
## 28029	0	0	0	0	0	1	0	0	0	0	0
## 28030	0	0	0	0	1	0	0	0	0	0	0
## 28031	0	0	0	0	0	0	1	0	0	0	0
## 28032	0	0	0	0	0	0	0	1	0	0	0
## 28033	0	0	0	0	0	0	0	0	1	0	0
## 28034	0	0	0	0	0	0	1	0	0	0	0
## 28035	0	0	0	0	0	0	1	0	0	0	0
## 28036	1	0	0	0	0	0	0	1	0	0	0
## 28037	0	1	0	0	0	0	0	0	0	0	1
## 28038	0	1	0	0	0	0	0	0	0	0	1
## 28039	0	0	0	0	0	0	0	1	0	0	0
## 28040	1	0	0	0	0	0	0	0	1	0	0
## 28041	1	0	0	0	0	0	0	0	0	0	1
## 28042	1	0	0	0	0	0	0	0	0	0	1
## 28043	0	1	0	0	0	0	0	0	0	1	0
## 28044	0	0	1	0	1	0	0	0	0	0	0
## 28045	0	0	1	0	1	0	0	0	0	0	0
## 28046	0	0	0	1	0	1	0	0	0	0	0
## 28047	0	0	0	1	0	1	0	0	0	0	0
## 28048	0	0	0	0	0	0	1	0	0	0	0
## 28049	0	0	0	0	1	0	0	0	0	0	0
## 28050	0	0	0	0	0	0	1	0	0	0	0
## 28051	0	0	0	0	0	0	1	0	0	0	0
## 28052	0	0	0	0	0	0	0	1	0	0	0
## 28053	0	0	0	0	0	0	0	0	1	0	0
## 28054	1	0	0	0	0	0	0	0	1	0	0
## 28055	1	0	0	0	0	0	0	0	0	0	1
## 28056	1	0	0	0	0	0	0	0	0	0	1
## 28057	0	1	0	0	0	0	0	0	1	0	0
## 28058	0	1	0	0	1	0	0	0	0	0	0
## 28059	0	0	1	0	1	0	0	0	0	0	0
## 28060	0	0	1	0	1	0	0	0	0	0	0
## 28061	0	0	1	0	0	1	0	0	0	0	0
## 28062	0	0	0	1	0	1	0	0	0	0	0
## 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

## 28066	0	0	0	0	0	0	1	0	0	0	0
## 28067	0	0	0	0	0	0	1	0	0	0	0
## 28068	0	0	0	0	0	0	0	0	1	0	0
## 28069	0	0	0	0	0	0	0	0	1	0	0
## 28070	1	0	0	0	0	0	0	0	0	0	1
## 28071	0	1	0	0	0	0	0	0	1	0	0
## 28072	0	0	1	0	0	0	0	0	0	0	1
## 28073	0	0	0	1	0	1	0	0	0	0	0
## 28074	0	0	0	0	1	0	0	0	0	0	0
## 28075	0	0	0	0	0	0	0	1	0	0	0
## 28076	0	0	0	0	0	0	0	1	0	0	0
## 28077	1	0	0	0	0	0	0	0	0	1	0
## 28078	0	1	0	0	0	0	0	0	0	1	0
## 28079	0	0	1	0	1	0	0	0	0	0	0
## 28080	0	0	0	0	0	0	1	0	0	0	0
## 28081	0	0	0	0	0	0	0	1	0	0	0
## 28082	0	0	0	0	0	0	1	0	0	0	0
## 28083	0	0	0	0	0	0	1	0	0	0	0
## 28084	1	0	0	0	0	0	0	0	0	1	0
## 28085	0	1	0	0	0	0	0	0	0	0	1
## 28086	0	1	0	0	0	0	0	0	1	0	0
## 28087	0	0	1	0	0	0	0	0	0	0	1
## 28088	0	0	0	1	0	1	0	0	0	0	0
## 28089	0	0	1	0	0	0	0	0	0	1	0
## 28090	0	0	0	0	0	0	0	0	1	0	0
## 28091	0	1	0	0	0	0	0	0	0	0	1
## 28092	0	0	1	0	0	1	0	0	0	0	0
## 28093	0	0	1	0	0	0	0	0	0	1	0
## 28094	0	0	1	0	0	0	0	0	0	0	1
## 28095	0	0	0	0	0	0	0	0	0	1	0
## 28096	1	0	0	0	0	0	0	0	0	1	0
## 28097	1	0	0	0	0	0	0	1	0	0	0
## 28098	0	0	0	0	0	0	0	1	0	0	0
## 28099	0	0	0	0	0	0	0	1	0	0	0
## 28100	1	0	0	0	0	0	0	0	0	1	0
## 28101	0	0	1	0	1	0	0	0	0	0	0
## 28102	1	0	0	0	0	0	0	0	1	0	0
## 28103	0	0	1	0	1	0	0	0	0	0	0
## 28104	0	0	0	1	0	0	0	0	0	0	1
## 28105	1	0	0	0	0	0	0	0	0	1	0
## 28106	0	1	0	0	0	0	0	0	1	0	0
## 28107	0	0	1	0	1	0	0	0	0	0	0
## 28108	0	0	1	0	0	0	0	0	0	1	0
## 28109	0	0	1	0	0	1	0	0	0	0	0
## 28110	0	0	0	0	0	0	0	0	1	0	0
## 28111	0	0	0	0	0	0	1	0	0	0	0
## 28112	0	0	1	0	0	0	0	0	0	0	1
## 28113	0	0	0	0	0	0	0	0	1	0	0
## 28114	0	0	1	0	1	0	0	0	0	0	0
## 28115	0	0	0	1	0	1	0	0	0	0	0

## 28116	0	0	0	1	1	0	0	0	0	0	0
## 28117	0	1	0	0	0	0	0	0	0	0	1
## 28118	0	0	1	0	1	0	0	0	0	0	0
## 28119	0	0	0	0	0	0	0	1	0	0	0
## 28120	1	0	0	0	0	0	0	0	1	0	0
## 28121	0	0	1	0	0	0	0	0	0	0	1
## 28122	0	1	0	0	0	0	0	0	0	1	0
## 28123	0	1	0	0	0	0	0	0	0	0	1
## 28124	0	0	1	0	1	0	0	0	0	0	0
## 28125	0	1	0	0	0	0	0	0	0	0	1
## 28126	0	0	1	0	1	0	0	0	0	0	0
## 28127	0	0	1	0	0	0	0	0	0	0	1
## 28128	0	0	1	0	0	0	0	0	0	0	1
## 28129	0	1	0	0	0	0	0	0	0	0	1
## 28130	0	1	0	0	0	0	0	0	0	1	0
## 28131	0	0	0	0	0	0	0	1	0	0	0
## 28132	0	0	1	0	0	0	0	0	0	0	1
## 28133	0	0	0	0	0	0	1	0	0	0	0
## 28134	0	0	1	0	0	1	0	0	0	0	0
## 28135	0	0	0	1	1	0	0	0	0	0	0
## 28136	0	1	0	0	0	0	0	0	0	0	1
## 28137	0	0	0	0	0	0	0	0	1	0	0
## 28138	0	0	0	0	0	0	0	0	0	1	0
## 28139	0	0	0	1	0	0	1	0	0	0	0
## 28140	1	0	0	0	0	0	0	0	1	0	0
## 28141	0	0	0	0	0	0	1	0	0	0	0
## 28142	1	0	0	0	0	0	0	1	0	0	0
## 28143	0	1	0	0	0	0	0	0	0	1	0
## 28144	0	0	0	0	0	0	0	1	0	0	0
## 28145	0	0	0	0	0	0	0	0	0	1	0
## 28146	1	0	0	0	0	0	0	0	0	1	0
## 28147	0	0	0	0	0	0	0	0	1	0	0
## 28148	0	0	0	0	0	0	0	1	0	0	0
## 28149	0	0	0	0	0	0	0	0	0	1	0
## 28150	1	0	0	0	0	0	0	1	0	0	0
## 28151	0	0	0	0	0	0	0	0	1	0	0
## 28152	0	1	0	0	0	0	0	0	0	1	0
## 28153	0	0	0	0	0	0	0	0	1	0	0
## 28154	1	0	0	0	0	0	0	0	0	0	1
## 28155	0	0	1	0	0	0	0	0	0	0	1
## 28156	0	0	0	0	0	0	1	0	0	0	0
## 28157	0	0	0	0	0	0	0	0	1	0	0
## 28158	0	0	0	0	0	0	0	1	0	0	0
## 28159	0	0	0	0	0	0	1	0	0	0	0
## 28160	0	0	1	0	0	1	0	0	0	0	0
## 28161	0	1	0	0	0	0	0	0	0	0	1
## 28162	0	0	0	1	0	1	0	0	0	0	0
## 28163	0	0	0	0	0	0	0	0	0	1	0
## 28164	0	0	0	0	0	0	1	0	0	0	0
## 28165	0	0	0	0	0	0	1	0	0	0	0

## 28166	0	0	0	0	0	0	0	1	0	0	0
## 28167	0	0	1	0	0	0	0	0	0	0	1
## 28168	0	0	0	0	1	0	0	0	0	0	0
## 28169	0	0	0	0	0	0	1	0	0	0	0
## 28170	1	0	0	0	0	0	0	0	0	1	0
## 28171	0	0	0	1	0	1	0	0	0	0	0
## 28172	0	0	0	0	0	0	0	1	0	0	0
## 28173	1	0	0	0	0	0	0	0	0	1	0
## 28174	0	1	0	0	0	0	0	0	0	1	0
## 28175	0	1	0	0	0	0	0	0	1	0	0
## 28176	0	0	0	1	0	1	0	0	0	0	0
## 28177	0	0	0	0	0	0	1	0	0	0	0
## 28178	0	1	0	0	0	0	0	0	1	0	0
## 28179	0	0	0	0	0	0	1	0	0	0	0
## 28180	0	0	0	0	0	0	0	0	0	1	0
## 28181	0	1	0	0	0	0	0	0	0	0	1
## 28182	0	0	0	1	0	0	1	0	0	0	0
## 28183	0	0	0	1	0	1	0	0	0	0	0
## 28184	0	0	0	0	0	0	1	0	0	0	0
## 28185	1	0	0	0	0	0	0	0	1	0	0
## 28186	0	1	0	0	1	0	0	0	0	0	0
## 28187	0	0	0	1	1	0	0	0	0	0	0
## 28188	0	0	0	0	0	0	0	0	1	0	0
## 28189	0	1	0	0	1	0	0	0	0	0	0
## 28190	0	0	0	0	1	0	0	0	0	0	0
## 28191	0	0	0	0	0	0	0	1	0	0	0
## 28192	1	0	0	0	0	0	0	0	0	1	0
## 28193	0	0	0	1	0	1	0	0	0	0	0
## 28194	0	0	0	0	0	0	0	0	1	0	0
## 28195	1	0	0	0	0	0	0	0	0	1	0
## 28196	0	1	0	0	0	0	0	0	0	0	1
## 28197	0	0	1	0	1	0	0	0	0	0	0
## 28198	0	0	0	1	0	1	0	0	0	0	0
## 28199	0	0	0	0	0	0	0	1	0	0	0
## 28200	0	0	0	0	0	0	0	1	0	0	0
## 28201	0	1	0	0	0	0	0	0	0	1	0
## 28202	0	0	0	0	0	1	0	0	0	0	0
## 28203	0	0	0	0	0	0	1	0	0	0	0
## 28204	0	0	0	0	0	0	0	1	0	0	0
## 28205	1	0	0	0	0	0	0	0	1	0	0
## 28206	1	0	0	0	0	0	0	0	0	0	1
## 28207	0	0	0	1	1	0	0	0	0	0	0
## 28208	0	0	0	0	0	0	0	0	1	0	0
## 28209	0	0	1	0	0	1	0	0	0	0	0
## 28210	0	0	0	0	0	0	0	0	1	0	0
## 28211	0	1	0	0	1	0	0	0	0	0	0
## 28212	0	0	0	0	0	0	0	1	0	0	0
## 28213	0	0	0	0	0	0	0	0	1	0	0
## 28214	0	0	0	0	0	0	0	0	1	0	0
## 28215	0	0	0	0	0	0	0	1	0	0	0

[illegible]

## 28266	0	0	0	1	0	1	0	0	0	0	0
## 28267	0	0	0	0	0	1	0	0	0	0	0
## 28268	0	1	0	0	0	0	0	0	0	0	1
## 28269	0	0	0	0	0	0	0	0	1	0	0
## 28270	0	0	0	0	0	0	0	0	1	0	0
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## 28275	0	0	0	1	0	0	1	0	0	0	0
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## 28283	0	0	0	0	0	0	1	0	0	0	0
## 28284	0	0	0	0	0	0	0	1	0	0	0
## 28285	1	0	0	0	0	0	0	0	0	1	0
## 28286	0	0	1	0	0	1	0	0	0	0	0
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## 28289	0	0	0	0	0	0	0	1	0	0	0
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## 28292	0	1	0	0	1	0	0	0	0	0	0
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## 28298	0	0	0	0	0	0	1	0	0	0	0
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## 28301	0	0	1	0	1	0	0	0	0	0	0
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## 28303	0	0	1	0	1	0	0	0	0	0	0
## 28304	0	0	1	0	1	0	0	0	0	0	0
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## 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	0	0	0	0	0	1	0
## 28312	1	0	0	0	0	0	0	0	0	0	1
## 28313	0	1	0	0	0	0	0	0	0	1	0
## 28314	0	0	1	0	0	0	0	0	0	1	0
## 28315	0	0	0	1	0	1	0	0	0	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
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## 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	0	0	1	0	0	0	0
## 28362	0	0	0	0	0	0	0	0	1	0	0
## 28363	0	1	0	0	0	0	0	0	0	1	0
## 28364	0	0	0	0	0	1	0	0	0	0	0
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##	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</					

## 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
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## 28483	1	0	0	0	0	0	0	0	1	0	0
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## 28485	1	0	0	0	0	0	0	0	1	0	0
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## 28491	1	0	0	0	0	0	0	0	1	0	0
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## 28496	0	0	0	0	0	0	0	1	0	0	0
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## 28500	0	0	0	0	0	0	1	0	0	0	0
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## 28502	0	0	0	0	0	0	0	0	0	1	0
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## 28504	0	0	1	0	1	0	0	0	0	0	0
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## 28508	0	0	0	0	0	0	1	0	0	0	0
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## 28510	0	0	0	0	0	0	0	0	0	1	0
## 28511	0	0	0	0	0	0	0	1	0	0	0
## 28512	1	0	0	0	0	0	0	0	1	0	0
## 28513	0	0	0	1	0	0	1	0	0	0	0
## 28514	0	0	0	0	0	0	1	0	0	0	0
## 28515	0	0	1	0	0	1	0	0	0	0	0

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## 28566	0	1	0	0	0	0	0	0	0	1	0
## 28567	0	1	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
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## 28575	0	0	0	0	0	1	0	0	0	0	0
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## 28577	0	0	0	0	0	0	1	0	0	0	0
## 28578	0	0	0	0	0	1	0	0	0	0	0
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## 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
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## 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	0	0	0	0	0	1	0
## 28610	0	0	0	0	0	0	0	0	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

[illegible]

[illegible]

## 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	0	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	0	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	0	1	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
## 28806	1	0	0	0	0	0	0	0	1	0	0
## 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	1	0	0	0	0	0	0	0	0	1	0
## 28817	0	0	0	1	1	0	0	0	0	0	0
## 28818	0	0	0	0	0	0	0	0	1	0	0
## 28819	0	0	0	0	0	0	0	1	0	0	0
## 28820	1	0	0	0	0	0	0	0	1	0	0
## 28821	0	0	0	0	0	0	1	0	0	0	0
## 28822	0	0	0	0	0	0	0	0	1	0	0
## 28823	0	0	1	0	1	0	0	0	0	0	0
## 28824	0	0	0	1	0	0	0	0	0	0	1
## 28825	0	0	1	0	0	0	0	0	0	0	1
## 28826	0	0	1	0	1	0	0	0	0	0	0
## 28827	0	0	1	0	1	0	0	0	0	0	0
## 28828	1	0	0	0	0	0	0	0	1	0	0
## 28829	0	0	1	0	0	0	0	0	0	0	1
## 28830	1	0	0	0	0	0	0	0	0	1	0
## 28831	0	0	1	0	1	0	0	0	0	0	0
## 28832	0	0	0	0	0	0	0	1	0	0	0
## 28833	0	1	0	0	0	0	0	0	0	1	0
## 28834	1	0	0	0	0	0	0	0	1	0	0
## 28835	0	0	0	0	0	0	0	1	0	0	0
## 28836	0	0	1	0	0	1	0	0	0	0	0
## 28837	1	0	0	0	0	0	0	0	1	0	0
## 28838	0	1	0	0	0	0	0	0	0	0	1
## 28839	1	0	0	0	0	0	0	0	0	0	1
## 28840	0	0	0	0	0	0	0	1	0	0	0
## 28841	0	0	1	0	0	0	0	0	0	0	1
## 28842	0	0	0	1	0	0	1	0	0	0	0
## 28843	0	0	0	0	0	0	1	0	0	0	0
## 28844	0	0	0	0	1	0	0	0	0	0	0
## 28845	0	1	0	0	0	0	0	0	0	0	1
## 28846	0	0	0	0	0	0	0	1	0	0	0
## 28847	0	0	0	0	0	0	0	1	0	0	0
## 28848	1	0	0	0	0	0	0	0	1	0	0
## 28849	0	0	0	1	0	1	0	0	0	0	0
## 28850	0	0	0	0	0	0	0	1	0	0	0
## 28851	0	0	0	1	0	0	0	0	0	0	1
## 28852	0	0	0	1	0	0	0	0	0	0	1
## 28853	1	0	0	0	0	0	0	0	0	1	0
## 28854	0	0	0	0	0	0	0	0	0	1	0
## 28855	1	0	0	0	0	0	0	0	0	0	1
## 28856	0	0	0	0	1	0	0	0	0	0	0
## 28857	0	0	0	0	0	0	0	0	1	0	0
## 28858	0	0	0	0	0	0	0	0	1	0	0
## 28859	0	0	0	0	0	0	0	1	0	0	0
## 28860	0	0	0	0	0	1	0	0	0	0	0
## 28861	0	1	0	0	0	0	0	0	0	0	1
## 28862	0	0	0	0	0	1	0	0	0	0	0
## 28863	0	0	0	0	0	1	0	0	0	0	0
## 28864	0	0	1	0	0	1	0	0	0	0	0
## 28865	0	0	0	0	0	1	0	0	0	0	0

## 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	0	0	1	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

## 28916	0	0	0	0	0	0	0	0	1	0	0
## 28917	0	0	0	0	0	0	0	1	0	0	0
## 28918	0	0	0	0	0	0	0	0	1	0	0
## 28919	0	0	0	0	0	0	1	0	0	0	0
## 28920	1	0	0	0	0	0	0	0	0	0	1
## 28921	1	0	0	0	0	0	0	0	0	1	0
## 28922	0	1	0	0	0	0	0	0	0	1	0
## 28923	0	0	1	0	0	0	0	0	0	0	1
## 28924	0	0	1	0	0	0	0	0	0	0	1
## 28925	0	0	1	0	0	0	0	0	0	0	1
## 28926	0	0	1	0	1	0	0	0	0	0	0
## 28927	0	0	1	0	0	0	0	0	0	0	1
## 28928	0	0	0	1	1	0	0	0	0	0	0
## 28929	0	0	0	1	1	0	0	0	0	0	0
## 28930	0	0	0	1	0	1	0	0	0	0	0
## 28931	0	0	0	0	1	0	0	0	0	0	0
## 28932	0	0	0	0	0	0	0	1	0	0	0
## 28933	0	0	0	0	0	0	0	0	1	0	0
## 28934	0	0	0	0	0	0	0	0	1	0	0
## 28935	0	0	0	0	0	0	0	1	0	0	0
## 28936	1	0	0	0	0	0	0	0	0	0	1
## 28937	1	0	0	0	0	0	0	0	1	0	0
## 28938	0	1	0	0	0	0	0	0	0	0	1
## 28939	0	0	1	0	0	0	0	0	0	1	0
## 28940	0	0	0	1	0	0	1	0	0	0	0
## 28941	0	0	0	1	0	1	0	0	0	0	0
## 28942	0	0	0	0	0	1	0	0	0	0	0
## 28943	0	0	0	0	0	0	1	0	0	0	0
## 28944	0	0	0	0	0	0	0	0	1	0	0
## 28945	0	0	0	0	0	0	1	0	0	0	0
## 28946	1	0	0	0	0	0	0	1	0	0	0
## 28947	1	0	0	0	0	0	0	0	0	1	0
## 28948	0	1	0	0	0	0	0	0	1	0	0
## 28949	0	1	0	0	0	0	0	0	0	0	1
## 28950	0	0	0	1	0	0	1	0	0	0	0
## 28951	0	0	0	1	1	0	0	0	0	0	0
## 28952	0	0	0	0	0	1	0	0	0	0	0
## 28953	0	0	0	0	0	0	1	0	0	0	0
## 28954	0	0	0	0	0	0	1	0	0	0	0
## 28955	0	0	0	0	0	0	0	1	0	0	0
## 28956	0	0	0	0	0	0	0	1	0	0	0
## 28957	1	0	0	0	0	0	0	1	0	0	0
## 28958	0	0	1	0	0	0	0	0	0	0	1
## 28959	0	0	1	0	0	1	0	0	0	0	0
## 28960	0	0	0	1	1	0	0	0	0	0	0
## 28961	0	0	0	1	0	1	0	0	0	0	0
## 28962	0	0	0	0	0	1	0	0	0	0	0
## 28963	0	0	0	0	0	0	0	1	0	0	0
## 28964	0	0	0	0	0	0	0	1	0	0	0
## 28965	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	0	0	1	1	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	0	0	1	0	0	0	0	0	0	0	1
## 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
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##	29025	0	0	0	0	0	0	1	0	0	0	0
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##	29036	0	0	0	1	0	0	1	0	0	0	0
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##	29052	0	1	0	0	0	0	0	0	0	1	0
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##	29062	0	1	0	0	1	0	0	0	0	0	0
##	29063	0	0	0	1	1	0</					

## 29066	0	0	1	0	0	1	0	0	0	0	0
## 29067	0	0	0	0	0	0	0	0	1	0	0
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## 29069	0	0	1	0	0	1	0	0	0	0	0
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## 29074	0	1	0	0	0	0	0	0	0	1	0
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## 29079	0	1	0	0	0	0	0	0	0	0	1
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## 29115	0	0	0	0	0	0	0	1	0	0	0

## 29116	0	0	0	0	0	0	0	0	1	0	0
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## 29118	0	1	0	0	0	0	0	0	1	0	0
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## 29125	0	0	0	0	0	0	0	1	0	0	0
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## 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
## 29139	0	0	0	1	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
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## 29143	0	0	0	0	0	0	0	0	1	0	0
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## 29145	0	1	0	0	0	0	0	0	1	0	0
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## 29155	0	0	0	0	0	0	0	0	1	0	0
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## 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	1	0	0	0	0	0	0	0	0	1	0
## 29169	0	0	0	0	1	0	0	0	0	0	0
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## 29174	0	0	0	1	0	0	1	0	0	0	0
## 29175	0	0	0	0	0	0	0	0	0	1	0
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## 29177	1	0	0	0	0	0	0	0	0	0	1
## 29178	0	0	0	0	0	1	0	0	0	0	0
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## 29182	0	0	0	0	0	0	0	1	0	0	0
## 29183	1	0	0	0	0	0	0	0	0	1	0
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## 29187	0	0	0	0	1	0	0	0	0	0	0
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## 29189	1	0	0	0	0	0	0	0	0	0	1
## 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	0	1	0	0
## 29193	0	0	1	0	0	0	0	0	0	1	0
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## 29196	0	0	1	0	0	1	0	0	0	0	0
## 29197	0	0	1	0	1	0	0	0	0	0	0
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## 29202	0	1	0	0	0	0	0	0	0	0	1
## 29203	0	0	1	0	1	0	0	0	0	0	0
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## 29206	0	0	0	0	0	0	0	0	0	1	0
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## 29211	0	0	0	0	0	0	1	0	0	0	0
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## 29215	0	0	0	0	0	0	0	1	0	0	0

## 29216	0	0	0	0	0	0	1	0	0	0	0
## 29217	0	0	0	0	0	0	0	0	0	1	0
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## 29219	0	0	1	0	0	0	0	0	0	1	0
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## 29231	0	0	0	0	0	0	0	1	0	0	0
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## 29235	1	0	0	0	0	0	0	0	0	1	0
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## 29239	0	0	0	0	0	0	1	0	0	0	0
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## 29245	0	0	0	1	1	0	0	0	0	0	0
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## 29254	0	0	1	0	0	0	0	0	0	1	0
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## 29256	0	0	0	0	0	1	0	0	0	0	0
## 29257	0	0	0	0	0	0	1	0	0	0	0
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## 29262	0	0	0	1	0	0	0	0	0	0	1
## 29263	0	0	0	1	1	0	0	0	0	0	0
## 29264	1	0	0	0	0	0	0	0	1	0	0
## 29265	0	1	0	0	1	0	0	0	0	0	0

[illegible]

## 29366	1	0	0	0	0	0	0	1	0	0	0
## 29367	0	0	0	0	1	0	0	0	0	0	0
## 29368	0	0	0	0	0	1	0	0	0	0	0
## 29369	0	0	0	0	0	0	1	0	0	0	0
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## 29372	0	0	0	1	0	1	0	0	0	0	0
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## 29375	0	0	0	0	0	0	1	0	0	0	0
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## 29385	0	0	0	1	1	0	0	0	0	0	0
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## 29390	0	0	0	0	0	1	0	0	0	0	0
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## 29399	0	0	0	0	0	0	1	0	0	0	0
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## 29402	0	1	0	0	0	0	0	0	0	1	0
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## 29405	0	0	1	0	0	1	0	0	0	0	0
## 29406	0	0	0	1	1	0	0	0	0	0	0
## 29407	0	0	0	0	0	1	0	0	0	0	0
## 29408	0	0	0	0	0	0	0	1	0	0	0
## 29409	0	0	0	0	0	1	0	0	0	0	0
## 29410	0	0	0	0	0	0	0	1	0	0	0
## 29411	1	0	0	0	0	0	0	0	0	1	0
## 29412	0	1	0	0	0	0	0	0	0	1	0
## 29413	0	0	1	0	0	0	0	0	0	0	1
## 29414	0	0	0	1	1	0	0	0	0	0	0
## 29415	0	0	0	1	0	0	1	0	0	0	0

## 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
## 29420	0	0	0	0	0	0	0	0	1	0	0
## 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	0	0	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
## 29428	0	0	0	0	0	0	0	1	0	0	0
## 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
## 29432	0	1	0	0	0	0	0	0	0	1	0
## 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	1	0	0	0	0
## 29441	0	0	0	0	0	0	0	0	1	0	0
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## 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
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## 29452	0	1	0	0	1	0	0	0	0	0	0
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## 29457	0	1	0	0	0	0	0	0	1	0	0
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## 29459	0	0	1	0	0	0	0	0	0	0	1
## 29460	0	0	0	0	0	0	1	0	0	0	0
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## 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

## 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
## 29470	0	0	0	0	0	0	1	0	0	0	0
## 29471	0	0	0	0	0	0	1	0	0	0	0
## 29472	0	0	0	0	1	0	0	0	0	0	0
## 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	0	0	1
## 29478	0	1	0	0	1	0	0	0	0	0	0
## 29479	0	0	1	0	0	0	0	0	0	0	1
## 29480	0	0	1	0	0	0	0	0	0	0	1
## 29481	0	0	0	0	0	0	1	0	0	0	0
## 29482	0	0	0	0	0	0	1	0	0	0	0
## 29483	0	1	0	0	0	0	0	0	0	1	0
## 29484	0	0	1	0	0	1	0	0	0	0	0
## 29485	0	0	0	0	0	0	0	0	1	0	0
## 29486	0	0	0	0	0	0	0	1	0	0	0
## 29487	1	0	0	0	0	0	0	0	0	1	0
## 29488	0	0	0	0	0	0	0	1	0	0	0
## 29489	1	0	0	0	0	0	0	1	0	0	0
## 29490	0	0	0	0	0	0	0	1	0	0	0
## 29491	0	0	0	0	0	0	1	0	0	0	0
## 29492	0	0	0	0	0	0	1	0	0	0	0
## 29493	0	0	0	0	0	1	0	0	0	0	0
## 29494	0	0	0	0	0	1	0	0	0	0	0
## 29495	0	0	0	0	0	0	0	1	0	0	0
## 29496	0	0	0	0	0	0	0	1	0	0	0
## 29497	0	0	0	0	0	0	1	0	0	0	0
## 29498	0	0	0	0	0	0	0	0	1	0	0
## 29499	0	0	0	0	0	0	1	0	0	0	0
## 29500	0	0	0	0	0	0	0	0	1	0	0
## 29501	0	0	0	0	0	0	0	1	0	0	0
## 29502	1	0	0	0	0	0	0	0	1	0	0
## 29503	1	0	0	0	0	0	0	0	1	0	0
## 29504	1	0	0	0	0	0	0	0	0	1	0
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## 29506	0	1	0	0	0	0	0	0	0	0	1
## 29507	0	1	0	0	0	0	0	0	0	1	0
## 29508	0	1	0	0	0	0	0	0	1	0	0
## 29509	0	1	0	0	0	0	0	0	1	0	0
## 29510	0	1	0	0	0	0	0	0	0	0	1
## 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

[illegible]

## 29566	0	0	0	0	0	0	0	1	0	0	0
## 29567	0	0	0	0	0	0	0	0	1	0	0
## 29568	0	0	0	0	0	0	1	0	0	0	0
## 29569	0	0	0	0	0	0	0	1	0	0	0
## 29570	0	0	0	0	0	0	0	0	0	1	0
## 29571	0	0	0	0	0	0	0	0	1	0	0
## 29572	1	0	0	0	0	0	0	0	0	1	0
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## 29575	0	1	0	0	0	0	0	0	0	0	1
## 29576	0	1	0	0	0	0	0	0	1	0	0
## 29577	0	1	0	0	1	0	0	0	0	0	0
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## 29579	0	0	1	0	1	0	0	0	0	0	0
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## 29583	0	0	1	0	0	0	0	0	0	0	1
## 29584	0	0	1	0	1	0	0	0	0	0	0
## 29585	0	0	1	0	0	1	0	0	0	0	0
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## 29587	0	0	0	1	0	0	1	0	0	0	0
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## 29589	0	0	0	1	0	1	0	0	0	0	0
## 29590	0	0	0	1	1	0	0	0	0	0	0
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## 29595	0	0	0	0	0	0	0	0	1	0	0
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## 29597	0	0	0	0	0	0	1	0	0	0	0
## 29598	0	0	0	0	0	0	1	0	0	0	0
## 29599	0	0	0	0	0	0	0	1	0	0	0
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## 29601	0	1	0	0	1	0	0	0	0	0	0
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## 29603	0	1	0	0	0	0	0	0	0	1	0
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## 29606	0	0	0	1	1	0	0	0	0	0	0
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## 29610	0	0	0	1	0	0	0	0	0	0	1
## 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	0	0	0	0	0	1	0	0	0	0	0
## 29615	0	0	0	0	0	0	1	0	0	0	0

## 29616	0	0	0	0	0	0	0	1	0	0	0
## 29617	0	0	0	0	0	0	0	1	0	0	0
## 29618	0	0	0	0	0	0	0	0	1	0	0
## 29619	0	0	0	0	0	0	0	0	0	1	0
## 29620	0	0	0	0	0	0	0	1	0	0	0
## 29621	0	0	0	0	0	0	0	1	0	0	0
## 29622	0	0	0	0	0	0	0	0	0	1	0
## 29623	0	0	0	0	0	0	0	1	0	0	0
## 29624	0	0	0	0	0	0	0	0	1	0	0
## 29625	1	0	0	0	0	0	0	0	1	0	0
## 29626	1	0	0	0	0	0	0	0	1	0	0
## 29627	1	0	0	0	0	0	0	0	1	0	0
## 29628	1	0	0	0	0	0	0	0	1	0	0
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## 29630	0	1	0	0	0	0	0	0	0	0	1
## 29631	0	1	0	0	0	0	0	0	0	0	1
## 29632	0	0	1	0	1	0	0	0	0	0	0
## 29633	0	0	1	0	0	0	0	0	0	1	0
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## 29635	0	0	1	0	0	0	0	0	0	0	1
## 29636	0	0	0	1	1	0	0	0	0	0	0
## 29637	0	0	0	1	0	0	1	0	0	0	0
## 29638	0	0	0	0	0	1	0	0	0	0	0
## 29639	0	0	0	0	0	0	0	1	0	0	0
## 29640	0	0	0	0	0	0	1	0	0	0	0
## 29641	0	0	0	0	1	0	0	0	0	0	0
## 29642	0	0	0	0	0	0	1	0	0	0	0
## 29643	0	0	0	0	0	0	1	0	0	0	0
## 29644	0	0	0	0	0	0	0	1	0	0	0
## 29645	0	0	0	0	0	0	1	0	0	0	0
## 29646	0	0	0	0	0	0	1	0	0	0	0
## 29647	0	0	0	0	0	0	1	0	0	0	0
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## 29650	0	0	0	0	0	0	0	0	1	0	0
## 29651	0	0	0	0	0	0	0	0	0	1	0
## 29652	0	0	0	0	0	0	0	1	0	0	0
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## 29654	1	0	0	0	0	0	0	1	0	0	0
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## 29657	0	1	0	0	0	0	0	0	0	0	1
## 29658	0	1	0	0	0	0	0	0	0	0	1
## 29659	0	1	0	0	1	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
## 29662	0	0	0	1	1	0	0	0	0	0	0
## 29663	0	0	0	1	0	1	0	0	0	0	0
## 29664	0	0	0	1	0	1	0	0	0	0	0
## 29665	0	0	0	1	1	0	0	0	0	0	0

## 29666	0	0	0	1	1	0	0	0	0	0	0
## 29667	0	0	0	1	0	0	0	0	0	0	1
## 29668	0	0	0	0	0	1	0	0	0	0	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
## 29671	0	0	0	0	0	0	0	1	0	0	0
## 29672	0	0	0	0	0	0	0	0	1	0	0
## 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
## 29677	1	0	0	0	0	0	0	0	0	0	1
## 29678	1	0	0	0	0	0	0	0	0	0	1
## 29679	0	1	0	0	0	0	0	0	0	1	0
## 29680	0	1	0	0	0	0	0	0	1	0	0
## 29681	0	1	0	0	1	0	0	0	0	0	0
## 29682	0	1	0	0	0	0	0	0	0	1	0
## 29683	0	1	0	0	0	0	0	0	0	1	0
## 29684	0	1	0	0	0	0	0	0	0	1	0
## 29685	0	1	0	0	1	0	0	0	0	0	0
## 29686	0	1	0	0	0	0	0	0	0	1	0
## 29687	0	1	0	0	0	0	0	0	0	1	0
## 29688	0	0	1	0	0	0	0	0	0	1	0
## 29689	0	0	1	0	0	0	0	0	0	0	1
## 29690	0	0	1	0	0	0	0	0	0	0	1
## 29691	0	0	1	0	0	1	0	0	0	0	0
## 29692	0	0	0	1	1	0	0	0	0	0	0
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## 29694	0	0	0	1	1	0	0	0	0	0	0
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## 29697	0	0	0	0	0	0	1	0	0	0	0
## 29698	0	0	0	0	0	0	0	1	0	0	0
## 29699	0	0	0	0	0	0	0	1	0	0	0
## 29700	0	0	0	0	0	0	1	0	0	0	0
## 29701	0	0	0	0	0	0	0	0	1	0	0
## 29702	0	0	0	0	0	0	0	0	1	0	0
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## 29704	1	0	0	0	0	0	0	0	0	1	0
## 29705	1	0	0	0	0	0	0	0	1	0	0
## 29706	1	0	0	0	0	0	0	0	0	1	0
## 29707	1	0	0	0	0	0	0	0	1	0	0
## 29708	1	0	0	0	0	0	0	0	1	0	0
## 29709	0	1	0	0	0	0	0	0	1	0	0
## 29710	0	1	0	0	0	0	0	0	0	0	1
## 29711	0	1	0	0	1	0	0	0	0	0	0
## 29712	0	1	0	0	1	0	0	0	0	0	0
## 29713	0	0	1	0	1	0	0	0	0	0	0
## 29714	0	0	0	0	0	0	1	0	0	0	0
## 29715	0	0	0	0	0	0	0	1	0	0	0

## 29716	0	0	0	0	0	1	0	0	0	0	0
## 29717	0	0	0	0	0	0	1	0	0	0	0
## 29718	0	0	0	0	0	0	0	1	0	0	0
## 29719	0	1	0	0	0	0	0	0	0	1	0
## 29720	0	1	0	0	0	0	0	0	0	0	1
## 29721	0	0	1	0	1	0	0	0	0	0	0
## 29722	0	0	0	1	1	0	0	0	0	0	0
## 29723	0	0	0	0	0	0	0	1	0	0	0
## 29724	1	0	0	0	0	0	0	1	0	0	0
## 29725	0	0	0	0	0	0	0	1	0	0	0
## 29726	1	0	0	0	0	0	0	0	0	1	0
## 29727	0	1	0	0	0	0	0	0	1	0	0
## 29728	0	0	1	0	0	0	0	0	0	0	1
## 29729	0	0	1	0	0	1	0	0	0	0	0
## 29730	0	0	1	0	1	0	0	0	0	0	0
## 29731	0	0	0	1	0	0	1	0	0	0	0
## 29732	0	0	0	1	0	0	0	0	0	0	1
## 29733	0	0	0	0	0	0	1	0	0	0	0
## 29734	0	0	0	0	0	0	1	0	0	0	0
## 29735	0	0	0	0	0	0	1	0	0	0	0
## 29736	0	0	0	0	0	0	0	1	0	0	0
## 29737	0	0	0	0	0	0	0	1	0	0	0
## 29738	0	0	0	0	0	0	1	0	0	0	0
## 29739	0	0	0	0	0	0	1	0	0	0	0
## 29740	0	0	0	0	0	0	0	0	0	1	0
## 29741	1	0	0	0	0	0	0	0	0	0	1
## 29742	1	0	0	0	0	0	0	0	0	0	1
## 29743	0	1	0	0	0	0	0	0	0	0	1
## 29744	0	1	0	0	0	0	0	0	0	1	0
## 29745	0	0	1	0	0	0	0	0	0	1	0
## 29746	0	0	1	0	0	1	0	0	0	0	0
## 29747	0	0	0	1	0	0	1	0	0	0	0
## 29748	0	0	0	0	0	1	0	0	0	0	0
## 29749	0	0	0	0	0	1	0	0	0	0	0
## 29750	0	0	0	0	0	0	0	1	0	0	0
## 29751	0	0	0	0	0	0	0	0	1	0	0
## 29752	1	0	0	0	0	0	0	0	0	1	0
## 29753	0	0	0	0	0	1	0	0	0	0	0
## 29754	0	0	0	0	0	0	0	1	0	0	0
## 29755	1	0	0	0	0	0	0	0	1	0	0
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## 29665 0.0160919540	yes	-4.3461665
## 29666 0.0160919540	yes	-4.3461665
## 29667 0.1295019157	yes	-4.3461665
## 29668 0.0045977011	yes	-4.3461665
## 29669 0.0574712644	yes	-4.3461665
## 29670 0.0015325670	yes	-4.3461665
## 29671 0.0007662835	yes	-4.3461665
## 29672 0.0007662835	yes	-4.3461665
## 29673 0.0000000000	yes	-4.3461665
## 29674 0.0000000000	yes	-4.3461665
## 29675 0.0015325670	yes	-4.3461665
## 29676 0.0084291188	yes	-4.3461665
## 29677 0.0000000000	yes	-4.3461665
## 29678 0.0000000000	yes	-4.3461665
## 29679 0.0000000000	yes	-4.3461665

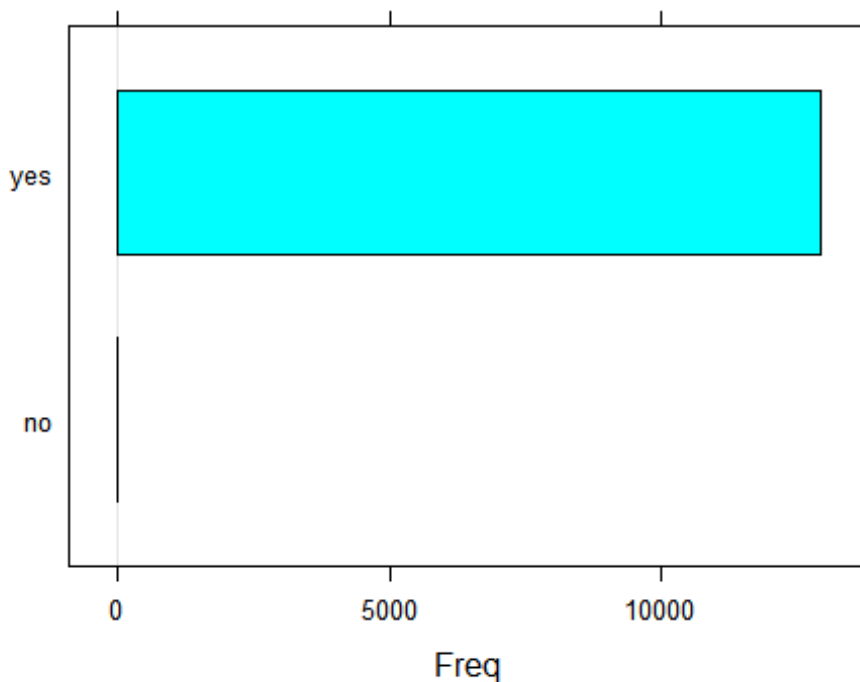
## 29680 0.0168582375	yes	-4.3461665
## 29681 0.0015325670	yes	-4.3461665
## 29682 0.0007662835	yes	-4.3461665
## 29683 0.0022988506	yes	-4.3461665
## 29684 0.0015325670	yes	-4.3461665
## 29685 0.0015325670	yes	-4.3461665
## 29686 0.0107279693	yes	-4.3461665
## 29687 0.0061302682	yes	-4.3461665
## 29688 0.0314176245	yes	-4.3461665
## 29689 0.0038314176	yes	-4.3461665
## 29690 0.0053639847	yes	-4.3461665
## 29691 0.0000000000	yes	-4.3461665
## 29692 0.0099616858	yes	-4.3461665
## 29693 0.0068965517	yes	-4.3461665
## 29694 0.0015325670	yes	-4.3461665
## 29695 0.0137931034	yes	-4.3461665
## 29696 0.0007662835	yes	-4.3461665
## 29697 0.0007662835	yes	-4.3461665
## 29698 0.0000000000	yes	-4.3461665
## 29699 0.0000000000	yes	-4.3461665
## 29700 0.0068965517	yes	-4.3461665
## 29701 0.0000000000	yes	-4.3461665
## 29702 0.0022988506	yes	-4.3461665
## 29703 0.0015325670	yes	-4.3461665
## 29704 0.0022988506	yes	-4.3461665
## 29705 0.1310344828	yes	-4.3461665
## 29706 0.0000000000	yes	-4.3461665
## 29707 0.0091954023	yes	-4.3461665
## 29708 0.0015325670	yes	-5.8735363
## 29709 0.0061302682	yes	-5.8735363
## 29710 0.0007662835	yes	-5.8735363
## 29711 0.0000000000	yes	-5.8735363
## 29712 0.0000000000	yes	-5.8735363
## 29713 0.0007662835	yes	-5.8735363
## 29714 0.0007662835	yes	-5.8735363
## 29715 0.0007662835	yes	-5.8735363
## 29716 0.0030651341	yes	-5.8735363
## 29717 0.0015325670	yes	-5.8735363
## 29718 0.0321839080	yes	-5.8735363
## 29719 0.0015325670	yes	-5.8735363
## 29720 0.0007662835	yes	-5.8735363
## 29721 0.0000000000	yes	-5.8735363
## 29722 0.0053639847	yes	-5.8735363
## 29723 0.0000000000	yes	-5.8735363
## 29724 0.0176245211	yes	-5.8735363
## 29725 0.0007662835	yes	-5.8735363
## 29726 0.0000000000	yes	-5.8735363
## 29727 0.0183908046	yes	-5.8735363
## 29728 0.0007662835	yes	-5.8735363
## 29729 0.0000000000	yes	-5.8735363

## 29730 0.0000000000	yes	-5.8735363
## 29731 0.0045977011	yes	-5.8735363
## 29732 0.0306513410	yes	-5.8735363
## 29733 0.0007662835	yes	-5.8735363
## 29734 0.0000000000	yes	-5.8735363
## 29735 0.0000000000	yes	-5.8735363
## 29736 0.0000000000	yes	-5.8735363
## 29737 0.0000000000	yes	-5.8735363
## 29738 0.0130268199	yes	-5.8735363
## 29739 0.0229885057	yes	-5.8735363
## 29740 0.0000000000	yes	-5.8735363
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## 29746 0.0000000000	yes	-5.8735363
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## 29749 0.0076628352	yes	-5.8735363
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## 29755 0.0015325670	yes	-5.8735363
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## 29760 0.0068965517	yes	-5.8735363
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## 29764 0.0022988506	yes	-5.8735363
## 29765 0.0000000000	yes	-5.8735363
## 29766 0.0015325670	yes	-5.8735363
## 29767 0.0000000000	yes	-5.8735363
## 29768 0.0000000000	yes	-5.8735363
## 29769 0.0176245211	yes	-5.8735363
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## 29771 0.0022988506	yes	-5.8735363
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## 29776 0.0000000000	yes	-5.8735363
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## 29778 0.0022988506	yes	-5.8735363
## 29779 0.0000000000	yes	-5.8735363

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## 29780 0.0130268199      yes -5.8735363
## 29781 0.0015325670      yes -5.8735363
## 29782 0.0022988506      yes -5.8735363
## 29783 0.0000000000      yes -5.8735363
## 29784 0.0000000000      yes -5.8735363
## 29785 0.0000000000      yes -5.8735363
## 29786 0.0000000000      yes -5.8735363
## 29787 0.0000000000      yes -5.8735363
## 29788 0.0000000000      yes -5.8735363
## [ reached getOption("max.print") -- omitted 11160 rows ]

# summarize results
#confusionMatrix<- confusionMatrix(pred$predictions,pred$X0.19)
#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 <http://rmarkdown.rstudio.com>.

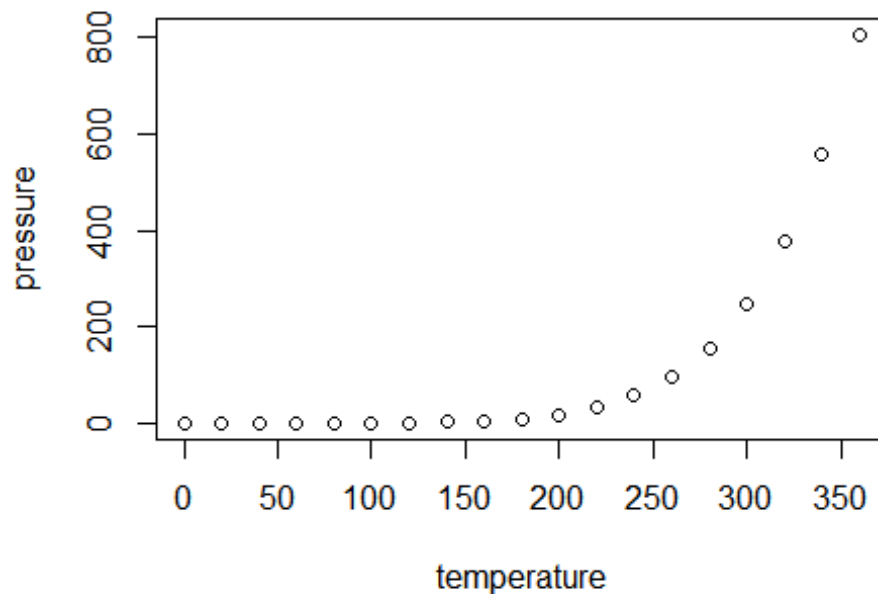
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

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

Including Plots

You can also embed plots, for example:



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