

Session 15 Assignments1

dataset

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

```
#library(readr)
#dataset <- read_delim("Dataset.zip", ";", escape_double = FALSE, trim_ws = TRUE)

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
names(Features)

## [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"
```

```
head(Features)
```

##	X634995	X0	X463	X1	X0.0	X806.0	X11.291044776119403	X1.0											
## 1	634995	0	463	1	0	806	11.29104	1											
## 2	634995	0	463	1	0	806	11.29104	1											
## 3	634995	0	463	1	0	806	11.29104	1											
## 4	634995	0	463	1	0	806	11.29104	1											
## 5	634995	0	463	1	0	806	11.29104	1											
## 6	634995	0	463	1	0	806	11.29104	1											
##	X70.49513846124168	X0.0.1	X806.0.1	X7.574626865671642	X0.0.2														
## 1	70.49514	0	806	7.574627	0														
## 2	70.49514	0	806	7.574627	0														
## 3	70.49514	0	806	7.574627	0														
## 4	70.49514	0	806	7.574627	0														
## 5	70.49514	0	806	7.574627	0														
## 6	70.49514	0	806	7.574627	0														
##	X69.435826365571	X0.0.3	X76.0	X2.6044776119402986	X0.0.4														
## 1	69.43583	0	76	2.604478	0														
## 2	69.43583	0	76	2.604478	0														
## 3	69.43583	0	76	2.604478	0														
## 4	69.43583	0	76	2.604478	0														
## 5	69.43583	0	76	2.604478	0														
## 6	69.43583	0	76	2.604478	0														
##	X8.50550186882253	X0.0.5	X806.0.2	X10.649253731343284	X1.0.1														
## 1	8.505502	0	806	10.64925	1														
## 2	8.505502	0	806	10.64925	1														
## 3	8.505502	0	806	10.64925	1														
## 4	8.505502	0	806	10.64925	1														
## 5	8.505502	0	806	10.64925	1														
## 6	8.505502	0	806	10.64925	1														
##	X70.25478763764251	X.69.0	X806.0.3	X4.970149253731344	X0.0.6														
## 1	70.25479	-69	806	4.970149	0														
## 2	70.25479	-69	806	4.970149	0														
## 3	70.25479	-69	806	4.970149	0														
## 4	70.25479	-69	806	4.970149	0														
## 5	70.25479	-69	806	4.970149	0														
## 6	70.25479	-69	806	4.970149	0</														

```
## 2    0    0    0    0    1    0    0    0    0    0    0    0
## 3    0    0    0    0    1    0    0    1    0    0    0    0
## 4    1    0    0    0    0    0    0    0    0    1    0    0
## 5    0    1    0    0    0    0    0    0    0    0    0    1
## 6    0    0    1    0    0    0    0    0    0    0    0    0
##   X1.2 X0.19
## 1    0    0
## 2    1    0
## 3    0    0
## 4    0    0
## 5    0    0
## 6    1    0
```

str(Features)

```
## 'data.frame':    40948 obs. of  54 variables:
## $ X634995      : int  634995 634995 634995 634995 634995 634995 634
995 634995 634995 634995 ...
## $ X0           : int  0 0 0 0 0 0 0 0 0 0 0 ...
## $ X463         : int  463 463 463 463 463 463 463 463 463 463 ...
## $ X1           : int  1 1 1 1 1 1 1 1 1 1 1 ...
## $ X0.0         : num  0 0 0 0 0 0 0 0 0 0 ...
## $ X806.0       : num  806 806 806 806 806 806 806 806 806 806 ...
## $ X11.291044776119403: num  11.3 11.3 11.3 11.3 11.3 ...
## $ X1.0         : num  1 1 1 1 1 1 1 1 1 1 ...
## $ X70.49513846124168 : num  70.5 70.5 70.5 70.5 70.5 ...
## $ X0.0.1       : num  0 0 0 0 0 0 0 0 0 0 ...
## $ X806.0.1     : num  806 806 806 806 806 806 806 806 806 806 ...
## $ X7.574626865671642 : num  7.57 7.57 7.57 7.57 7.57 ...
## $ X0.0.2       : num  0 0 0 0 0 0 0 0 0 0 ...
## $ X69.435826365571  : num  69.4 69.4 69.4 69.4 69.4 ...
## $ X0.0.3       : num  0 0 0 0 0 0 0 0 0 0 ...
## $ X76.0        : num  76 76 76 76 76 76 76 76 76 76 ...
## $ X2.6044776119402986: num  2.6 2.6 2.6 2.6 2.6 ...
## $ X0.0.4       : num  0 0 0 0 0 0 0 0 0 0 ...
## $ X8.50550186882253  : num  8.51 8.51 8.51 8.51 8.51 ...
## $ X0.0.5       : num  0 0 0 0 0 0 0 0 0 0 ...
## $ X806.0.2     : num  806 806 806 806 806 806 806 806 806 806 ...
## $ X10.649253731343284: num  10.6 10.6 10.6 10.6 10.6 ...
## $ X1.0.1       : num  1 1 1 1 1 1 1 1 1 1 ...
## $ X70.25478763764251 : num  70.3 70.3 70.3 70.3 70.3 ...
## $ X.69.0       : num  -69 -69 -69 -69 -69 -69 -69 -69 -69 -69 ...
## $ X806.0.3     : num  806 806 806 806 806 806 806 806 806 806 ...
## $ X4.970149253731344 : num  4.97 4.97 4.97 4.97 4.97 ...
## $ X0.0.6       : num  0 0 0 0 0 0 0 0 0 0 ...
## $ X69.85058043098057 : num  69.9 69.9 69.9 69.9 69.9 ...
## $ X0.1         : int  0 0 7 1 0 0 1 0 0 0 ...
## $ X0.2         : int  0 0 0 0 0 0 0 0 0 0 ...
## $ X0.3         : int  0 0 3 0 0 0 1 0 0 0 ...
## $ X0.4         : int  0 0 7 1 0 0 1 0 0 0 ...
```

```

## $ X0.5          : int  0 0 -3 0 0 0 -1 0 0 0 ...
## $ X65           : int  10 14 62 58 60 68 32 35 48 52 ...
## $ X166          : int  132 133 131 142 166 145 157 177 126 188 ...
## $ X2            : int  1 2 1 5 1 2 2 5 1 1 ...
## $ X0.6          : int  0 0 0 0 0 0 0 0 0 0 ...
## $ X24           : int  24 24 24 24 24 24 24 24 24 24 ...
## $ X0.7          : int  0 0 0 0 0 0 0 0 0 0 ...
## $ X0.8          : int  0 0 0 1 0 0 0 0 0 0 ...
## $ X0.9          : int  0 0 0 0 1 0 0 0 0 0 ...
## $ X1.1          : int  0 0 0 0 0 1 0 0 0 0 ...
## $ X0.10         : int  1 0 0 0 0 0 1 0 0 0 ...
## $ X0.11         : int  0 1 1 0 0 0 0 1 1 1 ...
## $ X0.12         : int  0 0 0 0 0 0 0 0 0 0 ...
## $ X0.13         : int  0 0 0 0 0 0 0 0 1 1 ...
## $ X0.14         : int  0 0 1 0 0 0 0 0 0 0 ...
## $ X0.15         : int  0 0 0 0 0 0 0 0 0 0 ...
## $ X0.16         : int  0 0 0 1 0 0 0 0 0 0 ...
## $ X0.17         : int  0 0 0 0 0 0 0 0 0 0 ...
## $ X0.18         : int  1 0 0 0 1 0 0 0 0 0 ...
## $ X1.2          : int  0 1 0 0 0 1 1 1 0 0 ...
## $ X0.19         : int  0 0 0 0 0 0 0 0 0 0 ...

```

```

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
## 16 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 17 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 18 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 19 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 20 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 21 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 22 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000
## 23 1.303892e-03  0.000000e+00  7.602700e-05  0.000000000  0.0000000000

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## 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
## 710	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 711	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 712	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 713	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 714	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 715	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 716	0.0015492494	0.00000000	0.001869159	6.195938e-04
## 717	0.0015492494	0.00000000	0.001869159	6.195938e-04

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## 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
## 706	3.613704e-04	0.0000000000	0.0013416659	0.4144116753
## 707	3.613704e-04	0.0000000000	0.0013416659	0.4144116753
## 708	3.613704e-04	0.0000000000	0.0013416659	0.4144116753
## 709	3.613704e-04	0.0000000000	0.0013416659	0.4144116753
## 710	3.613704e-04	0.0000000000	0.0013416659	0.4144116753
## 711	3.613704e-04	0.0000000000	0.0013416659	0.4144116753
## 712	3.613704e-04	0.0000000000	0.0013416659	0.4144116753
## 713	3.613704e-04	0.0000000000	0.0013416659	0.4144116753

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## 1814	8.039240e-04	0.0000000000	0.0051795815	0.4116752812
## 1815	8.039240e-04	0.0000000000	0.0051795815	0.4116752812
## 1816	8.039240e-04	0.0000000000	0.0051795815	0.4116752812
## 1817	8.039240e-04	0.0000000000	0.0051795815	0.4116752812
## 1818	8.039240e-04	0.0000000000	0.0051795815	0.4116752812
## 1819	8.039240e-04	0.0000000000	0.0051795815	0.4116752812
## 1820	8.039240e-04	0.0000000000	0.0051795815	0.4116752812
## 1821	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1822	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1823	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1824	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1825	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1826	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1827	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1828	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1829	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1830	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1831	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1832	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1833	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1834	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1835	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1836	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1837	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1838	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1839	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1840	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1841	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1842	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1843	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1844	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1845	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1846	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1847	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1848	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1849	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1850	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
## 1851	2.540331e-03	0.0020800832	0.0072659156	0.4095469748
##	X806.0.3	X4.970149253731344	X0.0.6	X69.85058043098057
## 1	0.44240035	0.100993742	0.13025780	0.0931701827
## 2	0.44240035	0.100993742	0.13025780	0.0931701827
## 3	0.44240035	0.100993742	0.13025780	0.0931701827
## 4	0.44240035	0.100993742	0.13025780	0.0931701827
## 5	0.44240035	0.100993742	0.13025780	0.0931701827
## 6	0.44240035	0.100993742	0.13025780	0.0931701827
## 7	0.44240035	0.100993742	0.13025780	0.0931701827
## 8	0.44240035	0.100993742	0.13025780	0.0931701827
## 9	0.44240035	0.100993742	0.13025780	0.0931701827
## 10	0.44240035	0.100993742	0.13025780	0.0931701827
## 11	0.44240035	0.100993742	0.13025780	0.0931701827

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## 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
## 704	0.08366185	0.092570893	0.12437811	0.0000000000
## 705	0.09023215	0.098695944	0.13025780	0.0012489561
## 706	0.09023215	0.098695944	0.13025780	0.0012489561
## 707	0.09023215	0.098695944	0.13025780	0.0012489561
## 708	0.09023215	0.098695944	0.13025780	0.0012489561
## 709	0.09023215	0.098695944	0.13025780	0.0012489561
## 710	0.09023215	0.098695944	0.13025780	0.0012489561
## 711	0.09023215	0.098695944	0.13025780	0.0012489561

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## 762	0.09023215	0.098695944	0.13025780	0.0012489561
## 763	0.09023215	0.098695944	0.13025780	0.0012489561
## 764	0.33946562	0.094004604	0.10854817	0.2779274999
## 765	0.33946562	0.094004604	0.10854817	0.2779274999
## 766	0.33946562	0.094004604	0.10854817	0.2779274999
## 767	0.33946562	0.094004604	0.10854817	0.2779274999
## 768	0.33946562	0.094004604	0.10854817	0.2779274999
## 769	0.33946562	0.094004604	0.10854817	0.2779274999
## 770	0.33946562	0.094004604	0.10854817	0.2779274999
## 771	0.33946562	0.094004604	0.10854817	0.2779274999
## 772	0.33946562	0.094004604	0.10854817	0.2779274999
## 773	0.33946562	0.094004604	0.10854817	0.2779274999
## 774	0.33946562	0.094004604	0.10854817	0.2779274999
## 775	0.33946562	0.094004604	0.10854817	0.2779274999
## 776	0.33946562	0.094004604	0.10854817	0.2779274999
## 777	0.33946562	0.094004604	0.10854817	0.2779274999
## 778	0.33946562	0.094004604	0.10854817	0.2779274999
## 779	0.33946562	0.094004604	0.10854817	0.2779274999
## 780	0.33946562	0.094004604	0.10854817	0.2779274999
## 781	0.22733246	0.146121397	0.15535957	0.1776835507
## 782	0.22733246	0.146121397	0.15535957	0.1776835507
## 783	0.22733246	0.146121397	0.15535957	0.1776835507
## 784	0.22733246	0.146121397	0.15535957	0.1776835507
## 785	0.25054753	0.111098857	0.12754410	0.1203295848
## 786	0.25054753	0.111098857	0.12754410	0.1203295848
## 787	0.25054753	0.111098857	0.12754410	0.1203295848
## 788	0.25054753	0.111098857	0.12754410	0.1203295848
## 789	0.25054753	0.111098857	0.12754410	0.1203295848
## 790	0.25054753	0.111098857	0.12754410	0.1203295848
## 791	0.25054753	0.111098857	0.12754410	0.1203295848
## 792	0.25054753	0.111098857	0.12754410	0.1203295848
## 793	0.25054753	0.111098857	0.12754410	0.1203295848
## 794	0.25054753	0.111098857	0.12754410	0.1203295848
## 795	0.25054753	0.111098857	0.12754410	0.1203295848
## 796	0.25054753	0.111098857	0.12754410	0.1203295848
## 797	0.25054753	0.111098857	0.12754410	0.1203295848
## 798	0.25054753	0.111098857	0.12754410	0.1203295848
## 799	0.25054753	0.111098857	0.12754410	0.1203295848
## 800	0.25054753	0.111098857	0.12754410	0.1203295848
## 801	0.25054753	0.111098857	0.12754410	0.1203295848
## 802	0.25054753	0.111098857	0.12754410	0.1203295848
## 803	0.25054753	0.111098857	0.12754410	0.1203295848
## 804	0.25054753	0.111098857	0.12754410	0.1203295848
## 805	0.25054753	0.111098857	0.12754410	0.1203295848
## 806	0.25054753	0.111098857	0.12754410	0.1203295848
## 807	0.25054753	0.111098857	0.12754410	0.1203295848
## 808	0.25054753	0.111098857	0.12754410	0.1203295848
## 809	0.25054753	0.111098857	0.12754410	0.1203295848
## 810	0.25054753	0.111098857	0.12754410	0.1203295848
## 811	0.25054753	0.111098857	0.12754410	0.1203295848

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## 1812	0.09943057	0.098671768	0.13025780	0.0038270495	
## 1813	0.09943057	0.098671768	0.13025780	0.0038270495	
## 1814	0.09943057	0.098671768	0.13025780	0.0038270495	
## 1815	0.09943057	0.098671768	0.13025780	0.0038270495	
## 1816	0.09943057	0.098671768	0.13025780	0.0038270495	
## 1817	0.09943057	0.098671768	0.13025780	0.0038270495	
## 1818	0.09943057	0.098671768	0.13025780	0.0038270495	
## 1819	0.09943057	0.098671768	0.13025780	0.0038270495	
## 1820	0.09943057	0.098671768	0.13025780	0.0038270495	
## 1821	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1822	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1823	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1824	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1825	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1826	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1827	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1828	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1829	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1830	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1831	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1832	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1833	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1834	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1835	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1836	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1837	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1838	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1839	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1840	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1841	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1842	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1843	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1844	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1845	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1846	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1847	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1848	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1849	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1850	0.10337276	0.098594129	0.13025780	0.0073379960	
## 1851	0.10337276	0.098594129	0.13025780	0.0073379960	
##	X0.1	X0.2	X0.3	X0.4	X0.5
## 1	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 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	0.0000000000	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	0.0000000000	0.0000000000	0.3965166909
## 107	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 108	0.0021358394	0.0000000000	0.003115265	0.0022893773	0.3950653120
## 109	0.0046988466	0.0052910053	0.0000000000	0.0018315018	0.3997097242

## 110	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 111	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 112	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 113	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 114	0.0008543358	0.0000000000	0.000623053	0.0009157509	0.3962264151
## 115	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 116	0.0025630073	0.0028860029	0.0000000000	0.0027472527	0.3982583454
## 117	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 118	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 119	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 120	0.0106791969	0.0033670034	0.011214953	0.0109890110	0.3933236575
## 121	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 122	0.3442973088	0.3876863877	0.0000000000	0.3690476190	0.6304789550
## 123	0.0008543358	0.0004810005	0.0000000000	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	0.0000000000	0.0004578755	0.3968069666
## 128	0.0000000000	0.0000000000	0.0000000000	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	0.0000000000	0.0013736264	0.3973875181
## 132	0.0012815036	0.0009620010	0.000623053	0.0009157509	0.3968069666
## 133	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 134	0.5040580948	0.1130351130	0.588785047	0.5036630037	0.1904208999
## 135	0.1973515592	0.2222222222	0.0000000000	0.2115384615	0.5306240929
## 136	0.8573259291	0.1996151996	0.991900312	0.8108974359	0.0548621190
## 137	0.1448099103	0.1630591631	0.0000000000	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	0.0000000000	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	0.0000000000	0.4542124542	0.6844702467
## 150	0.7001281504	0.0582010582	0.183177570	0.6410256410	0.3462989840
## 151	0.2199914566	0.2477152477	0.0000000000	0.2358058608	0.5460087083
## 152	0.2422041862	0.0264550265	0.319003115	0.2445054945	0.2638606676
## 153	0.1328492097	0.1495911496	0.0000000000	0.1423992674	0.4867924528
## 154	0.1345578812	0.0553150553	0.124610592	0.1419413919	0.3718432511
## 155	0.3763348996	0.4237614238	0.0000000000	0.4033882784	0.6522496372
## 156	0.3229389150	0.0153920154	0.167601246	0.3232600733	0.3277213353
## 157	0.2174284494	0.0062530063	0.031775701	0.2170329670	0.3854862119
## 158	0.4284493806	0.0428090428	0.119626168	0.3695054945	0.3666182874
## 159	0.0854335754	0.0962000962	0.0000000000	0.0915750916	0.4545718433

## 160	0.3652285348	0.0081770082	0.074766355	0.3543956044	0.3666182874
## 161	0.2088850918	0.0115440115	0.047975078	0.2000915751	0.3811320755
## 162	0.0803075609	0.0904280904	0.000000000	0.0860805861	0.4510885341
## 163	0.2507475438	0.2823472823	0.000000000	0.2687728938	0.5669085631
## 164	0.2486117044	0.0779220779	0.261682243	0.2385531136	0.3216255443
## 165	0.3212302435	0.3617123617	0.000000000	0.3443223443	0.6148040639
## 166	0.1960700555	0.0322270322	0.244236760	0.1891025641	0.3021770682
## 167	0.2118752670	0.0379990380	0.259813084	0.2225274725	0.2984034833
## 168	0.2020504058	0.2275132275	0.000000000	0.2165750916	0.5338171263
## 169	0.2024775737	0.0687830688	0.206230530	0.2101648352	0.3419448476
## 170	0.1290046988	0.1452621453	0.000000000	0.1382783883	0.4841799710
## 171	0.7885519009	0.1159211159	1.000000000	0.7348901099	0.0005805515
## 172	0.3566851773	0.4016354016	0.000000000	0.3823260073	0.6388969521
## 173	0.4412644169	0.1370851371	0.466043614	0.4317765568	0.2621190131
## 174	0.0619393422	0.0168350168	0.068535826	0.0654761905	0.3747460087
## 175	0.3182400683	0.3583453583	0.000000000	0.3411172161	0.6127721335
## 176	0.3340452798	0.3761423761	0.000000000	0.3580586081	0.6235123367
## 177	0.2357966681	0.0298220298	0.305295950	0.2413003663	0.2722786647
## 178	0.1003844511	0.1130351130	0.000000000	0.1076007326	0.4647314949
## 179	0.2648440837	0.2982202982	0.000000000	0.2838827839	0.5764876633
## 180	0.2050405809	0.2308802309	0.000000000	0.2197802198	0.5358490566
## 181	0.5296881674	0.5964405964	0.000000000	0.5677655678	0.7564586357
## 182	0.0756087142	0.0851370851	0.000000000	0.0810439560	0.4478955007
## 183	0.0965399402	0.0245310245	0.109034268	0.0906593407	0.3605224964
## 184	0.6497223409	0.2578162578	0.613707165	0.6579670330	0.2661828737
## 185	0.5459205468	0.0711880712	0.704049844	0.5288461538	0.1114658926
## 186	0.1157624947	0.0009620010	0.031152648	0.1185897436	0.3825834543
## 187	0.0465612986	0.0524290524	0.000000000	0.0499084249	0.4281567489
## 188	0.5745407945	0.6469456469	0.000000000	0.6158424908	0.7869375907
## 189	0.2105937633	0.0033670034	0.031775701	0.2119963370	0.3837445573
## 190	0.0751815463	0.0129870130	0.092834891	0.0782967033	0.3611030479
## 191	0.1866723622	0.0264550265	0.238006231	0.1831501832	0.3015965167
## 192	0.2276804784	0.0052910053	0.029906542	0.2170329670	0.3857764877
## 193	0.0183682187	0.0004810005	0.008722741	0.0173992674	0.3927431060
## 194	0.0627936779	0.0707070707	0.000000000	0.0673076923	0.4391872279
## 195	0.0529688167	0.0596440596	0.000000000	0.0567765568	0.4325108853
## 196	0.3605296882	0.0577200577	0.451090343	0.3589743590	0.2211901306
## 197	0.0491243059	0.0553150553	0.000000000	0.0526556777	0.4298984035
## 198	0.2473302008	0.0149110149	0.066666667	0.2408424908	0.3744557329
## 199	0.1550619393	0.1746031746	0.000000000	0.1662087912	0.5018867925
## 200	0.1332763776	0.0091390091	0.041121495	0.1263736264	0.3828737300
## 201	0.3793250748	0.2385762386	0.244236760	0.3919413919	0.4267053701
## 202	0.1537804357	0.1731601732	0.000000000	0.1648351648	0.5010159652
## 203	0.7240495515	0.1014911015	0.578816199	0.6588827839	0.1880986938
## 204	0.1815463477	0.0076960077	0.028037383	0.1717032967	0.3880986938
## 205	0.1106364801	0.0024050024	0.020560748	0.1034798535	0.3883889695
## 206	0.1337035455	0.0168350168	0.062928349	0.1185897436	0.3773584906
## 207	0.1358393849	0.1529581530	0.000000000	0.1456043956	0.4888243832
## 208	0.1251601880	0.0495430495	0.118380062	0.1304945055	0.3712626996
## 209	0.3498504912	0.0293410293	0.154517134	0.3237179487	0.3422351234

## 210	0.0965399402	0.0283790284	0.104049844	0.0924908425	0.3651669086
## 211	0.2212729603	0.2491582492	0.000000000	0.2371794872	0.5468795356
## 212	0.0012815036	0.0009620010	0.000623053	0.0009157509	0.3968069666
## 213	0.0375907732	0.000000000	0.005607477	0.0375457875	0.3939042090
## 214	0.0862879111	0.0081770082	0.068535826	0.0847069597	0.3695210450
## 215	0.000000000	0.000000000	0.000000000	0.000000000	0.3965166909
## 216	0.0029901751	0.0033670034	0.000000000	0.0032051282	0.3985486212
## 217	0.000000000	0.000000000	0.000000000	0.000000000	0.3965166909
## 218	0.0004271679	0.000000000	0.000623053	0.0004578755	0.3962264151
## 219	0.0158052114	0.0177970178	0.000000000	0.0169413919	0.4072568940
## 220	0.1973515592	0.0149110149	0.048598131	0.1868131868	0.3828737300
## 221	0.000000000	0.000000000	0.000000000	0.000000000	0.3965166909
## 222	0.0017086715	0.000000000	0.000623053	0.0018315018	0.3962264151
## 223	0.000000000	0.000000000	0.000000000	0.000000000	0.3965166909
## 224	0.0029901751	0.000000000	0.000000000	0.0032051282	0.3965166909
## 225	0.0256300726	0.0288600289	0.000000000	0.0274725275	0.4139332366
## 226	0.0012815036	0.000000000	0.001869159	0.0013736264	0.3956458636
## 227	0.0081161897	0.0091390091	0.000000000	0.0086996337	0.4020319303
## 228	0.0076890218	0.0086580087	0.000000000	0.0082417582	0.4017416546
## 229	0.0025630073	0.0028860029	0.000000000	0.0027472527	0.3982583454
## 230	0.0025630073	0.0028860029	0.000000000	0.0027472527	0.3982583454
## 231	0.0029901751	0.0033670034	0.000000000	0.0032051282	0.3985486212
## 232	0.0021358394	0.0024050024	0.000000000	0.0022893773	0.3979680697
## 233	0.0085433575	0.000000000	0.012461059	0.0091575092	0.3907111756
## 234	0.0034173430	0.000000000	0.000000000	0.0036630037	0.3965166909
## 235	0.0029901751	0.000000000	0.004361371	0.0032051282	0.3944847605
## 236	0.0029901751	0.0009620010	0.003115265	0.0027472527	0.3956458636
## 237	0.0012815036	0.0014430014	0.000000000	0.0013736264	0.3973875181
## 238	0.0008543358	0.000000000	0.001246106	0.0009157509	0.3959361393
## 239	0.0025630073	0.000000000	0.000623053	0.0027472527	0.3962264151
## 240	0.0017086715	0.000000000	0.000000000	0.0018315018	0.3965166909
## 241	0.2417770184	0.0303030303	0.174454829	0.2257326007	0.3335268505
## 242	0.0093976933	0.000000000	0.001869159	0.0096153846	0.3956458636
## 243	0.2328064930	0.0423280423	0.182554517	0.2032967033	0.3370101597
## 244	0.0012815036	0.000000000	0.001869159	0.0013736264	0.3956458636
## 245	0.000000000	0.000000000	0.000000000	0.000000000	0.3965166909
## 246	0.0017086715	0.000000000	0.000000000	0.0018315018	0.3965166909
## 247	0.0076890218	0.0057720058	0.003738318	0.0082417582	0.3982583454
## 248	0.0798803930	0.0206830207	0.089719626	0.0833333333	0.3671988389
## 249	0.0038445109	0.0043290043	0.000000000	0.0041208791	0.3991291727
## 250	0.2306706536	0.0062530063	0.038006231	0.2147435897	0.3825834543
## 251	0.0012815036	0.0004810005	0.001246106	0.0009157509	0.3962264151
## 252	0.0034173430	0.0024050024	0.001869159	0.0036630037	0.3970972424
## 253	0.000000000	0.000000000	0.000000000	0.000000000	0.3965166909
## 254	0.0068346860	0.0076960077	0.000000000	0.0073260073	0.4011611030
## 255	0.0008543358	0.0004810005	0.000623053	0.000000000	0.3965166909
## 256	0.0008543358	0.000000000	0.000000000	0.0009157509	0.3965166909
## 257	0.0085433575	0.0096200096	0.000000000	0.0091575092	0.4023222061
## 258	0.1537804357	0.0076960077	0.046728972	0.1369047619	0.3793904209
## 259	0.0012815036	0.000000000	0.000623053	0.0013736264	0.3962264151

## 260	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.3976777939
## 261	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 262	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 263	0.0418624519	0.0028860029	0.028037383	0.0416666667	0.3851959361
## 264	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.3976777939
## 265	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.3965166909
## 266	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636
## 267	0.0038445109	0.0000000000	0.000623053	0.0041208791	0.3962264151
## 268	0.0281930799	0.0317460317	0.0000000000	0.0302197802	0.4156748911
## 269	0.0205040581	0.0019240019	0.027414330	0.0215201465	0.3849056604
## 270	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 271	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.3973875181
## 272	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 273	0.0256300726	0.0038480038	0.032398754	0.0247252747	0.3837445573
## 274	0.1768475011	0.0447330447	0.2000000000	0.1785714286	0.3303338171
## 275	0.2178556173	0.0096200096	0.080996885	0.2133699634	0.3645863570
## 276	0.1144809910	0.0019240019	0.015576324	0.1149267399	0.3904208999
## 277	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 278	0.0017086715	0.0000000000	0.000623053	0.0018315018	0.3962264151
## 279	0.1482272533	0.1669071669	0.0000000000	0.1588827839	0.4972423803
## 280	0.0465612986	0.0009620010	0.018068536	0.0421245421	0.3886792453
## 281	0.0017086715	0.0000000000	0.000623053	0.0013736264	0.3962264151
## 282	0.0025630073	0.0028860029	0.0000000000	0.0027472527	0.3982583454
## 283	0.0021358394	0.0009620010	0.001869159	0.0022893773	0.3962264151
## 284	0.2340879966	0.2635882636	0.0000000000	0.2509157509	0.5555878084
## 285	0.5241349850	0.3554593555	0.304049844	0.5407509158	0.4693759071
## 286	0.0252029047	0.0283790284	0.0000000000	0.0270146520	0.4136429608
## 287	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.3965166909
## 288	0.0008543358	0.0000000000	0.0000000000	0.0009157509	0.3965166909
## 289	0.0012815036	0.0014430014	0.0000000000	0.0013736264	0.3973875181
## 290	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 291	0.0046988466	0.0009620010	0.000623053	0.0041208791	0.3968069666
## 292	0.0209312260	0.0235690236	0.0000000000	0.0224358974	0.4107402032
## 293	0.1503630927	0.1693121693	0.0000000000	0.1611721612	0.4986937591
## 294	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 295	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.3976777939
## 296	0.2524562153	0.2842712843	0.0000000000	0.2706043956	0.5680696662
## 297	0.0102520290	0.0115440115	0.0000000000	0.0109890110	0.4034833091
## 298	0.0692011961	0.0024050024	0.064797508	0.0714285714	0.3677793904
## 299	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 300	0.1324220419	0.1491101491	0.0000000000	0.1419413919	0.4865021771
## 301	0.0017086715	0.0000000000	0.002492212	0.0018315018	0.3953555878
## 302	0.0166595472	0.0187590188	0.0000000000	0.0178571429	0.4078374456
## 303	0.0055531824	0.0062530063	0.0000000000	0.0059523810	0.4002902758
## 304	0.0717642033	0.0153920154	0.084735202	0.0741758242	0.3663280116
## 305	0.0064075182	0.0000000000	0.0000000000	0.0068681319	0.3965166909
## 306	0.0021358394	0.0000000000	0.003115265	0.0022893773	0.3950653120
## 307	0.0111063648	0.0067340067	0.007476636	0.0119047619	0.3970972424
## 308	0.0017086715	0.0019240019	0.0000000000	0.0018315018	0.3976777939
## 309	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424

## 310	0.0119607006	0.0134680135	0.000000000	0.0128205128	0.4046444122
## 311	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 312	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.3970972424
## 313	0.0111063648	0.0004810005	0.003115265	0.0105311355	0.3953555878
## 314	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 315	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 316	0.0021358394	0.0024050024	0.000000000	0.0022893773	0.3979680697
## 317	0.0286202478	0.0110630111	0.027414330	0.0302197802	0.3904208999
## 318	0.0034173430	0.0009620010	0.002492212	0.0027472527	0.3959361393
## 319	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.3970972424
## 320	0.0512601452	0.0577200577	0.000000000	0.0549450549	0.4313497823
## 321	0.1824006835	0.2053872054	0.000000000	0.1955128205	0.5204644412
## 322	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 323	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.3970972424
## 324	0.0128150363	0.0019240019	0.016199377	0.0123626374	0.3901306241
## 325	0.0559589919	0.0630110630	0.000000000	0.0599816850	0.4345428157
## 326	0.0012815036	0.0014430014	0.000000000	0.0013736264	0.3973875181
## 327	0.0875694148	0.0986050986	0.000000000	0.0938644689	0.4560232221
## 328	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 329	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 330	0.0038445109	0.0043290043	0.000000000	0.0041208791	0.3991291727
## 331	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 332	0.0773173857	0.0870610871	0.000000000	0.0828754579	0.4490566038
## 333	0.0025630073	0.0014430014	0.001869159	0.0022893773	0.3965166909
## 334	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 335	0.0149508757	0.0168350168	0.000000000	0.0160256410	0.4066763425
## 336	0.2580093977	0.2905242905	0.000000000	0.2765567766	0.5718432511
## 337	0.0187953866	0.0048100048	0.021183801	0.0187728938	0.3895500726
## 338	0.0140965399	0.0004810005	0.002492212	0.0132783883	0.3956458636
## 339	0.0046988466	0.0014430014	0.001246106	0.0036630037	0.3968069666
## 340	0.0059803503	0.0000000000	0.000623053	0.0059523810	0.3962264151
## 341	0.0029901751	0.0000000000	0.004361371	0.0032051282	0.3944847605
## 342	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 343	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 344	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 345	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 346	0.0004271679	0.0000000000	0.000623053	0.0004578755	0.3962264151
## 347	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 348	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 349	0.1507902606	0.1697931698	0.000000000	0.1616300366	0.4989840348
## 350	0.0375907732	0.0423280423	0.000000000	0.0402930403	0.4220609579
## 351	0.0640751815	0.0721500722	0.000000000	0.0686813187	0.4400580552
## 352	0.1127723195	0.0014430014	0.031152648	0.1103479853	0.3828737300
## 353	0.0499786416	0.0048100048	0.066666667	0.0531135531	0.3683599419
## 354	0.0636480137	0.0716690717	0.000000000	0.0682234432	0.4397677794
## 355	0.0649295173	0.0009620010	0.006230530	0.0641025641	0.3941944848
## 356	0.0234942332	0.0187590188	0.009968847	0.0247252747	0.4031930334
## 357	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 358	0.0645023494	0.0009620010	0.008099688	0.0631868132	0.3933236575
## 359	0.0286202478	0.0024050024	0.008722741	0.0274725275	0.3939042090

## 360	0.3835967535	0.2568542569	0.226791277	0.3956043956	0.4458635704
## 361	0.0645023494	0.0014430014	0.008722741	0.0622710623	0.3933236575
## 362	0.0226398975	0.0000000000	0.010591900	0.0224358974	0.3915820029
## 363	0.0551046561	0.0620490620	0.000000000	0.0590659341	0.4339622642
## 364	0.0264844084	0.0298220298	0.000000000	0.0283882784	0.4145137881
## 365	0.0905595899	0.0086580087	0.120872274	0.0938644689	0.3454281567
## 366	0.3588210167	0.0471380471	0.462305296	0.3713369963	0.2095791001
## 367	0.0166595472	0.0187590188	0.000000000	0.0178571429	0.4078374456
## 368	0.0482699701	0.0086580087	0.059190031	0.0457875458	0.3741654572
## 369	0.0781717215	0.0192400192	0.089096573	0.0760073260	0.3666182874
## 370	0.0666381888	0.0096200096	0.054205607	0.0576923077	0.3770682148
## 371	0.1653139684	0.1861471861	0.000000000	0.1771978022	0.5088534107
## 372	0.0200768902	0.0014430014	0.006853583	0.0169413919	0.3941944848
## 373	0.0311832550	0.0024050024	0.011214953	0.0279304029	0.3927431060
## 374	0.2870568133	0.0086580087	0.080996885	0.2728937729	0.3640058055
## 375	0.0815890645	0.0918710919	0.000000000	0.0874542125	0.4519593614
## 376	0.0431439556	0.0048100048	0.056697819	0.0430402930	0.3730043541
## 377	0.0572404955	0.0072150072	0.074143302	0.0563186813	0.3663280116
## 378	0.0175138830	0.0019240019	0.009345794	0.0160256410	0.3933236575
## 379	0.0269115762	0.0303030303	0.000000000	0.0288461538	0.4148040639
## 380	0.0858607433	0.0033670034	0.120872274	0.0906593407	0.3422351234
## 381	0.2123024349	0.0057720058	0.077881620	0.2165750916	0.3637155298
## 382	0.0119607006	0.0009620010	0.004361371	0.0105311355	0.3950653120
## 383	0.0213583938	0.0240500241	0.000000000	0.0228937729	0.4110304790
## 384	0.0128150363	0.0144300144	0.000000000	0.0137362637	0.4052249637
## 385	0.0115335327	0.0038480038	0.005607477	0.0082417582	0.3962264151
## 386	0.0311832550	0.0048100048	0.039252336	0.0288461538	0.3811320755
## 387	0.1063648014	0.0028860029	0.021806854	0.0989010989	0.3880986938
## 388	0.0991029475	0.0115440115	0.129595016	0.0993589744	0.3431059507
## 389	0.0230670654	0.0000000000	0.000623053	0.0247252747	0.3962264151
## 390	0.0166595472	0.0067340067	0.015576324	0.0169413919	0.3933236575
## 391	0.0576676634	0.0014430014	0.014330218	0.0581501832	0.3907111756
## 392	0.0119607006	0.0033670034	0.013084112	0.0119047619	0.3924528302
## 393	0.0226398975	0.0038480038	0.028037383	0.0210622711	0.3857764877
## 394	0.0205040581	0.0024050024	0.026791277	0.0210622711	0.3854862119
## 395	0.0149508757	0.0038480038	0.011214953	0.0123626374	0.3936139332
## 396	0.2926099957	0.0485810486	0.363862928	0.2971611722	0.2563134978
## 397	0.0367364374	0.0413660414	0.000000000	0.0393772894	0.4214804064
## 398	0.2674070910	0.0086580087	0.055451713	0.2454212454	0.3759071118
## 399	0.1144809910	0.0379990380	0.117757009	0.1135531136	0.3645863570
## 400	0.1328492097	0.0413660414	0.140186916	0.1176739927	0.3561683599
## 401	0.0781717215	0.0235690236	0.083489097	0.0801282051	0.3718432511
## 402	0.0986757796	0.0086580087	0.095327103	0.0961538462	0.3573294630
## 403	0.0205040581	0.0230880231	0.000000000	0.0219780220	0.4104499274
## 404	0.0452797950	0.0038480038	0.061059190	0.0462454212	0.3703918723
## 405	0.1738573259	0.0413660414	0.200000000	0.1785714286	0.3283018868
## 406	0.0461341307	0.0072150072	0.057943925	0.0485347985	0.3738751814
## 407	0.0316104229	0.0134680135	0.028660436	0.0320512821	0.3912917271
## 408	0.3887227680	0.0076960077	0.159501558	0.3823260073	0.3268505080
## 409	0.2225544639	0.1130351130	0.178193146	0.2193223443	0.3817126270

## 410	0.0448526271	0.0004810005	0.011214953	0.0453296703	0.3915820029
## 411	0.0572404955	0.0139490139	0.065420561	0.0576923077	0.3744557329
## 412	0.0572404955	0.0048100048	0.029283489	0.0554029304	0.3857764877
## 413	0.0384451089	0.0019240019	0.024299065	0.0375457875	0.3863570392
## 414	0.0444254592	0.0139490139	0.046728972	0.0462454212	0.3831640058
## 415	0.0286202478	0.0322270322	0.000000000	0.0306776557	0.4159651669
## 416	0.0192225545	0.0033670034	0.016199377	0.0173992674	0.3910014514
## 417	0.0551046561	0.0240500241	0.049221184	0.0512820513	0.3880986938
## 418	0.0606578385	0.0014430014	0.026791277	0.0508241758	0.3849056604
## 419	0.0739000427	0.0216450216	0.079750779	0.0764652015	0.3724238026
## 420	0.0226398975	0.0254930255	0.000000000	0.0242673993	0.4119013062
## 421	0.2088850918	0.0048100048	0.033021807	0.2069597070	0.3840348331
## 422	0.0337462623	0.0004810005	0.048598131	0.0361721612	0.3741654572
## 423	0.0226398975	0.0254930255	0.000000000	0.0242673993	0.4119013062
## 424	0.0055531824	0.0004810005	0.007476636	0.0054945055	0.3933236575
## 425	0.0046988466	0.0004810005	0.006230530	0.0045787546	0.3939042090
## 426	0.0038445109	0.0019240019	0.003115265	0.0041208791	0.3962264151
## 427	0.0756087142	0.0322270322	0.068535826	0.0796703297	0.3840348331
## 428	0.0341734302	0.0033670034	0.013707165	0.0311355311	0.3921625544
## 429	0.0546774883	0.0197210197	0.054205607	0.0531135531	0.3831640058
## 430	0.0213583938	0.0024050024	0.028037383	0.0215201465	0.3849056604
## 431	0.0222127296	0.0000000000	0.005607477	0.0224358974	0.3939042090
## 432	0.0226398975	0.0009620010	0.008099688	0.0215201465	0.3933236575
## 433	0.0521144810	0.0086580087	0.064797508	0.0512820513	0.3715529753
## 434	0.0346005980	0.0000000000	0.004984424	0.0357142857	0.3941944848
## 435	0.0252029047	0.0168350168	0.014953271	0.0256410256	0.3997097242
## 436	0.0158052114	0.0177970178	0.000000000	0.0169413919	0.4072568940
## 437	0.0111063648	0.0125060125	0.000000000	0.0119047619	0.4040638607
## 438	0.0405809483	0.0043290043	0.021183801	0.0384615385	0.3892597968
## 439	0.0585219991	0.0177970178	0.062305296	0.0599816850	0.3782293179
## 440	0.0375907732	0.0009620010	0.009968847	0.0357142857	0.3924528302
## 441	0.0559589919	0.0096200096	0.069158879	0.0554029304	0.3701015965
## 442	0.0111063648	0.0014430014	0.001246106	0.0096153846	0.3968069666
## 443	0.0213583938	0.0028860029	0.027414330	0.0201465201	0.3854862119
## 444	0.0252029047	0.0028860029	0.033021807	0.0247252747	0.3828737300
## 445	0.0721913712	0.0024050024	0.021806854	0.0695970696	0.3878084180
## 446	0.0508329774	0.0572390572	0.000000000	0.0544871795	0.4310595065
## 447	0.0388722768	0.0004810005	0.011838006	0.0366300366	0.3912917271
## 448	0.0064075182	0.0072150072	0.000000000	0.0068681319	0.4008708273
## 449	0.0491243059	0.0024050024	0.004984424	0.0476190476	0.3956458636
## 450	0.0388722768	0.0004810005	0.006853583	0.0375457875	0.3936139332
## 451	0.0375907732	0.0423280423	0.000000000	0.0402930403	0.4220609579
## 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	0.0000000000	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	0.0000000000	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	0.0000000000	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	0.000000000	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	0.000000000	0.0096153846	0.4026124819
## 607	0.0072618539	0.0004810005	0.002492212	0.0068681319	0.3956458636
## 608	0.0119607006	0.0134680135	0.000000000	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	0.000000000	0.0004578755	0.3968069666
## 615	0.0034173430	0.0000000000	0.001246106	0.0032051282	0.3959361393
## 616	0.0670653567	0.0755170755	0.000000000	0.0718864469	0.4420899855
## 617	0.0068346860	0.0076960077	0.000000000	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	0.000000000	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	0.000000000	0.0100732601	0.3965166909
## 633	0.0012815036	0.0014430014	0.000000000	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	0.000000000	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	0.000000000	0.0018315018	0.3976777939
## 641	0.0059803503	0.0009620010	0.007476636	0.0064102564	0.3936139332
## 642	0.0324647587	0.0365560366	0.000000000	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	0.000000000	0.0054945055	0.4000000000
## 647	0.0021358394	0.0009620010	0.001869159	0.0022893773	0.3962264151
## 648	0.0089705254	0.0101010101	0.000000000	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	0.000000000	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	0.000000000	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	0.000000000	0.0036630037	0.3988388970
## 661	0.0021358394	0.0024050024	0.000000000	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	0.000000000	0.0018315018	0.3965166909
## 669	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 670	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 671	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 672	0.0000000000	0.0000000000	0.000000000	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	0.000000000	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	0.000000000	0.0000000000	0.3965166909
## 680	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 681	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 682	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.3968069666
## 683	0.0000000000	0.0000000000	0.000000000	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	0.000000000	0.0000000000	0.3965166909
## 688	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 689	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 690	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 691	0.0012815036	0.0000000000	0.000000000	0.0013736264	0.3965166909
## 692	0.0008543358	0.0009620010	0.000000000	0.0000000000	0.3970972424
## 693	0.0029901751	0.0000000000	0.002492212	0.0022893773	0.3953555878
## 694	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 695	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 696	0.0004271679	0.0004810005	0.000000000	0.0000000000	0.3968069666
## 697	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.3968069666
## 698	0.0017086715	0.0019240019	0.000000000	0.0018315018	0.3976777939
## 699	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.3968069666
## 700	0.0004271679	0.0000000000	0.000000000	0.0004578755	0.3965166909
## 701	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 702	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.3968069666
## 703	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.3970972424
## 704	0.0136693721	0.0000000000	0.008099688	0.0132783883	0.3927431060
## 705	0.0004271679	0.0004810005	0.000000000	0.0004578755	0.3968069666
## 706	0.0008543358	0.0000000000	0.000000000	0.0009157509	0.3965166909
## 707	0.0004271679	0.0004810005	0.000000000	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	0.000000000			

## 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	0.0000000000	0.0398351648	0.4217706821
## 808	0.0072618539	0.0004810005	0.009968847	0.0073260073	0.3921625544
## 809	0.0324647587	0.0365560366	0.0000000000	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	0.000000000	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	0.000000000	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	0.000000000	0.1684981685	0.5033381713
## 853	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 854	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 855	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 856	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 857	0.0000000000	0.0000000000	0.000000000	0.0000000000	0.3965166909
## 858	0.0008543358	0.0009620010	0.000000000	0.0009157509	0.3970972424
## 859	0.0000000000	0.0000000000	0.000000000	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	0.0000000000	0.0000000000	0.3965166909
## 1111	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1112	0.0012815036	0.0000000000	0.001869159	0.0013736264	0.3956458636
## 1113	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1114	0.0004271679	0.0004810005	0.0000000000	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	0.0000000000	0.0000000000	0.3965166909
## 1118	0.0051260145	0.0057720058	0.0000000000	0.0054945055	0.4000000000
## 1119	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 1120	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1121	0.0000000000	0.0000000000	0.0000000000	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	0.0000000000	0.0009157509	0.3970972424
## 1126	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 1127	0.0093976933	0.0038480038	0.008722741	0.0100732601	0.3947750363
## 1128	0.0038445109	0.0043290043	0.0000000000	0.0041208791	0.3991291727
## 1129	0.0081161897	0.0091390091	0.0000000000	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	0.0000000000	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	0.0000000000	0.0013736264	0.3965166909
## 1137	0.0055531824	0.0004810005	0.002492212	0.0045787546	0.3956458636
## 1138	0.0038445109	0.0043290043	0.0000000000	0.0041208791	0.3991291727
## 1139	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1140	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1141	0.0038445109	0.0000000000	0.005607477	0.0041208791	0.3939042090
## 1142	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1143	0.0008543358	0.0009620010	0.0000000000	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	0.0000000000	0.0000000000	0.3965166909
## 1151	0.0098248612	0.0110630111	0.0000000000	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	0.0000000000	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	0.0000000000	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	0.000000000	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	0.000000000	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	0.000000000	0.004984424	0.0036630037	0.3941944848
## 1335	0.0170867151	0.0192400192	0.000000000	0.0183150183	0.4081277213
## 1336	0.000000000	0.000000000	0.000000000	0.000000000	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	0.000000000	0.000000000	0.000000000	0.000000000	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	0.000000000	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	0.000000000	0.004361371	0.0141941392	0.3944847605
## 1350	0.0140965399	0.000000000	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	0.000000000	0.0096153846	0.3970972424
## 1355	0.0222127296	0.0250120250	0.000000000	0.0238095238	0.4116110305
## 1356	0.0316104229	0.0355940356	0.000000000	0.0338827839	0.4179970972
## 1357	0.0230670654	0.0009620010	0.006230530	0.0228937729	0.3941944848
## 1358	0.000000000	0.000000000	0.000000000	0.000000000	0.3965166909
## 1359	0.000000000	0.000000000	0.000000000	0.000000000	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	0.0000000000	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	0.0000000000	0.0013736264	0.3965166909
## 1406	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1407	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1408	0.0008543358	0.0009620010	0.0000000000	0.0009157509	0.3970972424
## 1409	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909

## 1410	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1411	0.0004271679	0.0000000000	0.0000000000	0.0004578755	0.3965166909
## 1412	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1413	0.0017086715	0.0004810005	0.001869159	0.0013736264	0.3959361393
## 1414	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1415	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1416	0.0004271679	0.0000000000	0.0000000000	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	0.0000000000	0.0004578755	0.3968069666
## 1420	0.0004271679	0.0004810005	0.0000000000	0.0000000000	0.3968069666
## 1421	0.0008543358	0.0000000000	0.001246106	0.0009157509	0.3959361393
## 1422	0.0012815036	0.0014430014	0.0000000000	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	0.0000000000	0.0000000000	0.3965166909
## 1427	0.0004271679	0.0004810005	0.0000000000	0.0004578755	0.3968069666
## 1428	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1429	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.3965166909
## 1430	0.0038445109	0.0043290043	0.0000000000	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	0.0000000000	0.1675824176	0.5027576197
## 1434	0.0879965827	0.0024050024	0.012461059	0.0860805861	0.3921625544
## 1435	0.0704826997	0.0793650794	0.0000000000	0.0755494505	0.4444121916
## 1436	0.1469457497	0.1654641655	0.0000000000	0.1575091575	0.4963715530
## 1437	0.1170439983	0.1317941318	0.0000000000	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	0.0000000000	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	0.0000000000	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	0.0000000000	0.0343406593	0.4182873730
## 1452	0.0239214011	0.0086580087	0.023676012	0.0201465201	0.3907111756
## 1453	0.1802648441	0.2029822030	0.0000000000	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	0.0000000000	0.0201465201	0.4092888244
## 1457	0.7488252883	0.2029822030	0.829283489	0.7765567766	0.1326560232
## 1458	0.1524989321	0.1717171717	0.0000000000	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	0.0000000000	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	0.0000000000	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	0.0000000000	0.0000000000	0.3965166909
## 1469	0.2524562153	0.0379990380	0.140809969	0.2261904762	0.3538461538
## 1470	0.1764203332	0.1986531987	0.0000000000	0.1891025641	0.5164005806
## 1471	0.0380179411	0.0428090428	0.0000000000	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	0.0000000000	0.0306776557	0.4159651669
## 1476	0.0256300726	0.0288600289	0.0000000000	0.0274725275	0.4139332366
## 1477	0.0905595899	0.1019721020	0.0000000000	0.0970695971	0.4580551524
## 1478	0.1917983768	0.0115440115	0.092834891	0.1891025641	0.3602322206
## 1479	0.1260145237	0.1418951419	0.0000000000	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	0.0000000000	0.0874542125	0.4519593614
## 1483	0.2127296027	0.0187590188	0.225545171	0.2055860806	0.3027576197
## 1484	0.0371636053	0.0418470418	0.0000000000	0.0398351648	0.4217706821
## 1485	0.1674498078	0.0062530063	0.105919003	0.1703296703	0.3509433962
## 1486	0.0828705681	0.0933140933	0.0000000000	0.0888278388	0.4528301887
## 1487	0.0572404955	0.0644540645	0.0000000000	0.0613553114	0.4354136430
## 1488	0.0602306707	0.0678210678	0.0000000000	0.0645604396	0.4374455733
## 1489	0.0371636053	0.0418470418	0.0000000000	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	0.0000000000	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	0.0000000000	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	0.0000000000	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	0.000000000	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	0.000000000	0.0416666667	0.4229317852
## 1525	0.2998718496	0.3376623377	0.000000000	0.3214285714	0.6002902758
## 1526	0.1093549765	0.0000000000	0.000000000	0.1172161172	0.3965166909
## 1527	0.0106791969	0.0009620010	0.004984424	0.0105311355	0.3947750363
## 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	0.000000000	0.0302197802	0.4156748911
## 1532	0.0747543785	0.0004810005	0.026791277	0.0787545788	0.3843251089
## 1533	0.2088850918	0.2352092352	0.000000000	0.2239010989	0.5384615385
## 1534	0.1067919692	0.0173160173	0.133333333	0.1112637363	0.3448476052
## 1535	0.1879538659	0.0278980279	0.238006231	0.1826923077	0.3024673440
## 1536	0.0807347287	0.0909090909	0.000000000	0.0865384615	0.4513788099
## 1537	0.1819735156	0.0096200096	0.138317757	0.1826923077	0.3378809869
## 1538	0.0192225545	0.0216450216	0.000000000	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	0.200000000	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	0.000000000	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	0.000000000	0.0045787546	0.3994194485
## 1603	0.0017086715	0.0000000000	0.001869159	0.0009157509	0.3956458636
## 1604	0.0000000000	0.0000000000	0.000000000	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	0.000000000	0.0009157509	0.3965166909

## 1610	0.0021358394	0.0000000000	0.003115265	0.0022893773	0.3950653120
## 1611	0.0059803503	0.0004810005	0.000623053	0.0054945055	0.3965166909
## 1612	0.0025630073	0.0014430014	0.001869159	0.0022893773	0.3965166909
## 1613	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	1.000000000	0	0	0
## 2	0.19444444	6.191806e-03	6.903265e-06	NaN	1.000000000	0	0	0
## 3	0.86111111	6.098696e-03	0.000000e+00	NaN	1.000000000	0	0	0
## 4	0.80555556	6.610801e-03	2.761306e-05	NaN	1.000000000	0	1	0
## 5	0.83333333	7.728119e-03	0.000000e+00	NaN	1.000000000	0	0	1
## 6	0.94444444	6.750466e-03	6.903265e-06	NaN	1.000000000	0	0	0
## 7	0.44444444	7.309125e-03	6.903265e-06	NaN	1.000000000	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	0.2222222							

[illegible]

## 106	0	0	1	0	0	0	0	0	0	0	1
## 107	0	0	1	0	0	1	0	0	0	0	0
## 108	0	0	0	0	0	0	0	1	0	0	0
## 109	0	0	0	0	0	0	0	1	0	0	0
## 110	0	0	0	0	0	0	1	0	0	0	0
## 111	0	0	0	0	0	0	0	1	0	0	0
## 112	1	0	0	0	0	0	0	0	0	1	0
## 113	0	1	0	0	0	0	0	0	0	1	0
## 114	0	1	0	0	0	0	0	0	0	0	1
## 115	0	0	1	0	0	0	0	0	0	0	1
## 116	0	0	1	0	0	0	0	0	0	1	0
## 117	0	0	0	0	0	0	0	1	0	0	0
## 118	0	0	0	0	0	0	1	0	0	0	0
## 119	0	0	0	0	0	0	0	1	0	0	0
## 120	1	0	0	0	0	0	0	0	1	0	0
## 121	1	0	0	0	0	0	0	0	0	0	1
## 122	0	0	1	0	0	0	0	0	0	0	1
## 123	0	0	1	0	0	1	0	0	0	0	0
## 124	0	0	0	0	0	0	0	1	0	0	0
## 125	0	0	0	0	0	0	0	0	1	0	0
## 126	0	0	0	0	0	0	0	0	1	0	0
## 127	1	0	0	0	0	0	0	0	1	0	0
## 128	0	1	0	0	0	0	0	0	0	0	1
## 129	0	1	0	0	0	0	0	0	0	0	1
## 130	0	0	1	0	0	1	0	0	0	0	0
## 131	0	0	1	0	0	0	0	0	0	1	0
## 132	0	0	0	0	0	0	0	1	0	0	0
## 133	1	0	0	0	0	0	0	0	1	0	0
## 134	1	0	0	0	0	0	0	0	0	1	0
## 135	0	1	0	0	0	0	0	0	0	1	0
## 136	0	1	0	0	0	0	0	0	0	0	1
## 137	0	1	0	0	0	0	0	0	0	1	0
## 138	0	0	1	0	0	1	0	0	0	0	0
## 139	0	0	0	1	0	1	0	0	0	0	0
## 140	0	0	0	1	1	0	0	0	0	0	0
## 141	0	0	0	1	0	1	0	0	0	0	0
## 142	0	0	0	0	0	0	1	0	0	0	0
## 143	0	0	0	0	0	1	0	0	0	0	0
## 144	0	0	0	0	0	0	0	1	0	0	0
## 145	0	0	0	0	0	0	0	1	0	0	0
## 146	0	0	0	0	0	0	0	0	1	0	0
## 147	0	0	0	0	0	0	0	0	1	0	0
## 148	0	0	0	0	0	0	0	0	1	0	0
## 149	0	0	0	0	0	0	0	1	0	0	0
## 150	1	0	0	0	0	0	0	0	0	0	1
## 151	0	1	0	0	0	0	0	0	1	0	0
## 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
## 193	0	0	0	0	0	0	0	0	1	0	0
## 194	0	0	0	0	0	0	1	0	0	0	0
## 195	1	0	0	0	0	0	0	1	0	0	0
## 196	1	0	0	0	0	0	0	0	0	1	0
## 197	1	0	0	0	0	0	0	1	0	0	0
## 198	0	1	0	0	0	0	0	0	0	0	1
## 199	0	1	0	0	0	0	0	0	0	1	0
## 200	0	1	0	0	1	0	0	0	0	0	0
## 201	0	1	0	0	0	0	0	0	0	0	1
## 202	0	0	1	0	0	0	0	0	0	0	1
## 203	0	0	1	0	1	0	0	0	0	0	0
## 204	0	0	0	1	0	0	1	0	0	0	0
## 205	0	0	0	0	0	0	0	1	0	0	0

## 206	0	0	0	0	0	0	1	0	0	0	0
## 207	0	0	0	0	0	1	0	0	0	0	0
## 208	0	0	0	0	0	0	0	1	0	0	0
## 209	0	0	0	0	0	0	0	0	1	0	0
## 210	0	0	0	0	0	0	0	0	1	0	0
## 211	1	0	0	0	0	0	0	0	1	0	0
## 212	0	1	0	0	0	0	0	0	0	1	0
## 213	0	1	0	0	1	0	0	0	0	0	0
## 214	0	1	0	0	0	0	0	0	0	0	1
## 215	0	1	0	0	1	0	0	0	0	0	0
## 216	0	1	0	0	0	0	0	0	0	1	0
## 217	0	1	0	0	0	0	0	0	1	0	0
## 218	0	1	0	0	0	0	0	0	0	0	1
## 219	0	1	0	0	0	0	0	0	0	1	0
## 220	0	1	0	0	1	0	0	0	0	0	0
## 221	0	1	0	0	0	0	0	0	0	1	0
## 222	0	1	0	0	1	0	0	0	0	0	0
## 223	0	1	0	0	0	0	0	0	0	1	0
## 224	0	1	0	0	1	0	0	0	0	0	0
## 225	0	1	0	0	0	0	0	0	1	0	0
## 226	0	1	0	0	0	0	0	0	0	1	0
## 227	0	1	0	0	0	0	0	0	0	1	0
## 228	0	1	0	0	0	0	0	0	0	1	0
## 229	0	1	0	0	0	0	0	0	0	1	0
## 230	0	1	0	0	0	0	0	0	0	1	0
## 231	0	1	0	0	0	0	0	0	0	1	0
## 232	0	0	1	0	0	0	0	0	0	1	0
## 233	0	0	1	0	1	0	0	0	0	0	0
## 234	0	0	1	0	0	1	0	0	0	0	0
## 235	0	0	1	0	1	0	0	0	0	0	0
## 236	0	0	1	0	0	0	0	0	0	0	1
## 237	0	0	1	0	0	0	0	0	0	0	1
## 238	0	0	1	0	1	0	0	0	0	0	0
## 239	0	0	1	0	1	0	0	0	0	0	0
## 240	0	0	1	0	1	0	0	0	0	0	0
## 241	0	0	1	0	1	0	0	0	0	0	0
## 242	0	0	1	0	0	1	0	0	0	0	0
## 243	0	0	1	0	1	0	0	0	0	0	0
## 244	0	0	1	0	0	0	0	0	0	0	1
## 245	0	0	1	0	0	0	0	0	0	1	0
## 246	0	0	1	0	0	1	0	0	0	0	0
## 247	0	0	1	0	0	0	0	0	0	0	1
## 248	0	0	1	0	1	0	0	0	0	0	0
## 249	0	0	0	1	1	0	0	0	0	0	0
## 250	0	0	0	1	0	0	1	0	0	0	0
## 251	0	0	0	1	0	1	0	0	0	0	0
## 252	0	0	0	1	1	0	0	0	0	0	0
## 253	0	0	0	1	0	1	0	0	0	0	0
## 254	0	0	0	1	1	0	0	0	0	0	0
## 255	0	0	0	1	0	0	1	0	0	0	0

[illegible]

## 306	0	0	0	0	0	0	0	0	1	0	0
## 307	0	0	0	0	0	0	0	1	0	0	0
## 308	0	0	0	0	0	0	0	1	0	0	0
## 309	0	0	0	0	0	0	0	1	0	0	0
## 310	0	0	0	0	0	0	1	0	0	0	0
## 311	0	0	0	0	0	0	0	0	0	1	0
## 312	0	0	0	0	0	0	1	0	0	0	0
## 313	0	0	0	0	0	0	0	0	0	1	0
## 314	0	0	0	0	0	0	0	0	1	0	0
## 315	0	0	0	0	0	0	0	0	1	0	0
## 316	0	0	0	0	0	0	0	1	0	0	0
## 317	0	0	0	0	0	0	0	0	1	0	0
## 318	0	0	0	0	0	0	0	0	0	1	0
## 319	0	0	0	0	0	0	0	1	0	0	0
## 320	1	0	0	0	0	0	0	1	0	0	0
## 321	1	0	0	0	0	0	0	1	0	0	0
## 322	1	0	0	0	0	0	0	1	0	0	0
## 323	1	0	0	0	0	0	0	0	1	0	0
## 324	1	0	0	0	0	0	0	0	0	1	0
## 325	1	0	0	0	0	0	0	0	1	0	0
## 326	1	0	0	0	0	0	0	0	1	0	0
## 327	1	0	0	0	0	0	0	1	0	0	0
## 328	1	0	0	0	0	0	0	1	0	0	0
## 329	1	0	0	0	0	0	0	0	1	0	0
## 330	1	0	0	0	0	0	0	0	1	0	0
## 331	1	0	0	0	0	0	0	0	1	0	0
## 332	1	0	0	0	0	0	0	0	1	0	0
## 333	1	0	0	0	0	0	0	0	0	1	0
## 334	1	0	0	0	0	0	0	1	0	0	0
## 335	1	0	0	0	0	0	0	0	1	0	0
## 336	1	0	0	0	0	0	0	0	1	0	0
## 337	0	1	0	0	0	0	0	0	0	0	1
## 338	1	0	0	0	0	0	0	0	0	0	1
## 339	1	0	0	0	0	0	0	0	0	1	0
## 340	0	0	0	0	0	0	0	0	0	1	0
## 341	0	0	1	0	1	0	0	0	0	0	0
## 342	0	0	1	0	1	0	0	0	0	0	0
## 343	0	0	1	0	1	0	0	0	0	0	0
## 344	0	1	0	0	0	0	0	0	1	0	0
## 345	0	0	1	0	0	0	0	0	0	1	0
## 346	0	0	0	0	0	0	0	1	0	0	0
## 347	0	0	0	0	0	0	1	0	0	0	0
## 348	0	1	0	0	0	0	0	0	1	0	0
## 349	0	0	0	0	0	1	0	0	0	0	0
## 350	0	0	0	0	0	0	0	1	0	0	0
## 351	0	0	0	0	0	0	0	1	0	0	0
## 352	0	0	0	1	0	0	1	0	0	0	0
## 353	0	0	0	1	0	1	0	0	0	0	0
## 354	0	0	0	0	1	0	0	0	0	0	0
## 355	0	0	0	0	0	0	0	1	0	0	0

## 456	1	0	0	0	0	0	0	0	1	0	0
## 457	1	0	0	0	0	0	0	0	0	1	0
## 458	1	0	0	0	0	0	0	0	0	1	0
## 459	0	1	0	0	0	0	0	0	0	0	1
## 460	0	1	0	0	0	0	0	0	0	1	0
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## 480	0	1	0	0	0	0	0	0	0	0	1
## 481	0	0	1	0	1	0	0	0	0	0	0
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## 486	0	0	0	1	1	0	0	0	0	0	0
## 487	0	0	0	0	0	1	0	0	0	0	0
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## 497	0	0	1	0	0	0	0	0	0	0	1
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## 500	0	0	1	0	0	0	0	0	0	0	1
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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
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## 518	0	0	0	0	0	0	0	0	1	0	0
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## 548	0	0	0	0	0	0	1	0	0	0	0
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## 551	0	0	0	0	0	0	1	0	0	0	0
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## 553	0	0	0	0	0	0	0	1	0	0	0
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## 656	1	0	0	0	0	0	0	0	0	1	0
## 657	1	0	0	0	0	0	0	1	0	0	0
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## 659	1	0	0	0	0	0	0	0	0	1	0
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## 708	0	0	0	0	0	0	0	0	1	0	0
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## 715	0	1	0	0	0	0	0	0	1	0	0
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## 720	0	1	0	0	0	0	0	0	0	1	0
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## 722	0	0	0	0	0	0	0	0	1	0	0
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## 726	0	0	1	0	1	0	0	0	0	0	0
## 727	0	0	0	0	0	0	1	0	0	0	0
## 728	0	0	0	0	0	0	0	1	0	0	0
## 729	0	1	0	0	0	0	0	0	0	0	1
## 730	0	0	0	0	0	0	0	1	0	0	0
## 731	0	0	1	0	1	0	0	0	0	0	0
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## 733	1	0	0	0	0	0	0	0	0	1	0
## 734	0	0	1	0	0	1	0	0	0	0	0
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## 737	0	1	0	0	1	0	0	0	0	0	0
## 738	0	0	1	0	1	0	0	0	0	0	0
## 739	0	0	0	0	0	0	0	1	0	0	0
## 740	0	0	1	0	1	0	0	0	0	0	0
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## 751	0	1	0	0	1	0	0	0	0	0	0
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## 753	0	0	1	0	1	0	0	0	0	0	0
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## 806	0	0	1	0	1	0	0	0	0	0	0
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## 808	0	0	0	1	0	1	0	0	0	0	0
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## 811	0	0	0	0	1	0	0	0	0	0	0
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## 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
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## 822	0	0	0	1	0	1	0	0	0	0	0
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## 827	0	0	0	0	0	0	1	0	0	0	0
## 828	0	0	0	0	0	0	0	1	0	0	0
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## 830	0	0	0	0	0	0	0	0	1	0	0
## 831	0	0	0	0	0	0	0	1	0	0	0
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## 833	1	0	0	0	0	0	0	0	0	1	0
## 834	0	1	0	0	1	0	0	0	0	0	0
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## 839	0	0	1	0	0	1	0	0	0	0	0
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## 842	0	0	0	1	0	0	1	0	0	0	0
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## 856	0	0	0	0	0	0	1	0	0	0	0
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## 870	0	0	1	0	0	1	0	0	0	0	0
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## 888	0	0	0	0	0	0	0	0	1	0	0
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## 899	0	0	0	1	0	1	0	0	0	0	0
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## 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
## 915	0	1	0	0	0	0	0	0	1	0	0
## 916	0	0	1	0	1	0	0	0	0	0	0
## 917	0	0	0	1	0	1	0	0	0	0	0
## 918	0	0	0	0	0	0	1	0	0	0	0
## 919	0	0	0	0	0	0	0	1	0	0	0
## 920	0	0	0	0	0	0	0	1	0	0	0
## 921	0	1	0	0	1	0	0	0	0	0	0
## 922	0	0	1	0	0	0	0	0	0	0	1
## 923	0	0	0	0	0	0	0	0	1	0	0
## 924	0	0	0	0	0	0	0	0	0	1	0
## 925	1	0	0	0	0	0	0	0	0	1	0
## 926	0	0	1	0	0	1	0	0	0	0	0
## 927	0	0	1	0	1	0	0	0	0	0	0
## 928	0	0	1	0	1	0	0	0	0	0	0
## 929	0	0	0	0	0	0	0	0	1	0	0
## 930	0	0	0	1	1	0	0	0	0	0	0
## 931	0	0	0	1	0	1	0	0	0	0	0
## 932	0	0	0	0	0	0	0	1	0	0	0
## 933	0	0	0	0	0	0	0	0	1	0	0
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## 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
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## 940	0	0	0	0	0	0	1	0	0	0	0
## 941	0	0	0	0	0	0	0	1	0	0	0
## 942	0	1	0	0	0	0	0	0	0	1	0
## 943	0	1	0	0	1	0	0	0	0	0	0
## 944	0	0	1	0	0	0	0	0	0	0	1
## 945	0	0	0	1	0	1	0	0	0	0	0
## 946	0	0	0	0	0	1	0	0	0	0	0
## 947	0	0	0	0	0	1	0	0	0	0	0
## 948	0	0	0	0	0	0	1	0	0	0	0
## 949	0	0	0	0	0	0	0	0	1	0	0
## 950	0	0	0	1	0	1	0	0	0	0	0
## 951	0	0	0	0	1	0	0	0	0	0	0
## 952	0	0	0	0	0	1	0	0	0	0	0
## 953	0	0	0	1	1	0	0	0	0	0	0
## 954	0	0	0	0	0	1	0	0	0	0	0
## 955	0	0	0	0	0	0	0	1	0	0	0

## 956	0	0	0	0	0	0	0	0	0	1	0
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## 958	0	0	0	0	0	0	0	1	0	0	0
## 959	0	0	0	0	0	0	0	0	0	1	0
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## 962	0	1	0	0	0	0	0	0	0	1	0
## 963	0	0	0	1	1	0	0	0	0	0	0
## 964	0	0	0	0	0	0	0	1	0	0	0
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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
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## 971	0	0	0	0	0	0	1	0	0	0	0
## 972	0	0	1	0	1	0	0	0	0	0	0
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## 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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## 981	0	1	0	0	0	0	0	0	0	1	0
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## 984	0	0	0	0	0	0	0	1	0	0	0
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## 986	0	0	0	0	0	0	0	1	0	0	0
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## 989	0	0	0	0	0	0	0	0	1	0	0
## 990	0	0	0	0	0	0	0	1	0	0	0
## 991	0	0	1	0	1	0	0	0	0	0	0
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## 993	0	0	0	0	0	0	0	0	1	0	0
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## 996	0	0	0	0	0	0	1	0	0	0	0
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## 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
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## 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
## 1024	0	0	1	0	0	1	0	0	0	0	0
## 1025	0	0	0	1	0	1	0	0	0	0	0
## 1026	0	0	0	0	0	1	0	0	0	0	0
## 1027	0	0	0	0	0	0	0	0	1	0	0
## 1028	0	0	0	0	0	0	1	0	0	0	0
## 1029	0	0	0	0	0	0	1	0	0	0	0
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## 1031	0	1	0	0	0	0	0	0	0	1	0
## 1032	0	1	0	0	0	0	0	0	0	0	1
## 1033	0	1	0	0	0	0	0	0	0	1	0
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## 1035	0	0	0	1	1	0	0	0	0	0	0
## 1036	0	0	0	0	0	0	1	0	0	0	0
## 1037	0	0	0	0	0	0	0	1	0	0	0
## 1038	0	0	0	0	0	0	1	0	0	0	0
## 1039	0	0	0	0	0	0	1	0	0	0	0
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## 1041	1	0	0	0	0	0	0	0	0	1	0
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## 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
## 1048	1	0	0	0	0	0	0	1	0	0	0
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## 1050	0	0	1	0	1	0	0	0	0	0	0
## 1051	0	0	0	1	0	1	0	0	0	0	0
## 1052	0	0	0	0	0	1	0	0	0	0	0
## 1053	0	0	0	0	0	0	0	0	0	1	0
## 1054	1	0	0	0	0	0	0	0	0	1	0
## 1055	0	1	0	0	1	0	0	0	0	0	0

## 1056	0	0	1	0	1	0	0	0	0	0	0
## 1057	0	0	0	1	0	0	0	0	0	0	1
## 1058	0	0	0	0	0	0	0	1	0	0	0
## 1059	0	0	0	0	0	0	0	0	1	0	0
## 1060	1	0	0	0	0	0	0	0	0	1	0
## 1061	0	1	0	0	1	0	0	0	0	0	0
## 1062	0	0	1	0	0	0	0	0	0	0	1
## 1063	0	0	0	1	1	0	0	0	0	0	0
## 1064	0	0	0	1	1	0	0	0	0	0	0
## 1065	0	0	0	0	1	0	0	0	0	0	0
## 1066	0	0	0	0	0	1	0	0	0	0	0
## 1067	0	0	0	0	0	0	0	1	0	0	0
## 1068	1	0	0	0	0	0	0	0	1	0	0
## 1069	0	1	0	0	1	0	0	0	0	0	0
## 1070	0	0	1	0	0	0	0	0	0	0	1
## 1071	0	0	0	1	0	0	1	0	0	0	0
## 1072	0	0	0	0	0	0	0	1	0	0	0
## 1073	0	0	0	0	0	0	0	0	1	0	0
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## 1078	0	0	0	1	1	0	0	0	0	0	0
## 1079	0	0	0	0	0	0	1	0	0	0	0
## 1080	0	0	0	0	0	0	1	0	0	0	0
## 1081	0	0	0	0	0	0	0	1	0	0	0
## 1082	1	0	0	0	0	0	0	0	0	1	0
## 1083	0	1	0	0	1	0	0	0	0	0	0
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## 1086	0	0	0	0	0	1	0	0	0	0	0
## 1087	0	0	0	0	0	0	0	0	1	0	0
## 1088	0	0	0	0	0	0	0	0	0	1	0
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## 1090	0	1	0	0	0	0	0	0	0	0	1
## 1091	0	0	1	0	0	0	0	0	0	0	1
## 1092	0	0	0	1	0	1	0	0	0	0	0
## 1093	0	0	0	0	0	1	0	0	0	0	0
## 1094	0	0	0	0	0	0	0	1	0	0	0
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## 1097	0	1	0	0	0	0	0	0	0	0	1
## 1098	0	0	1	0	0	1	0	0	0	0	0
## 1099	0	0	0	1	0	0	1	0	0	0	0
## 1100	0	0	0	0	0	1	0	0	0	0	0
## 1101	0	0	0	0	0	1	0	0	0	0	0
## 1102	0	0	0	0	0	0	0	1	0	0	0
## 1103	1	0	0	0	0	0	0	0	1	0	0
## 1104	0	0	1	0	0	0	0	0	0	0	1
## 1105	0	0	0	0	0	0	0	1	0	0	0

## 1106	1	0	0	0	0	0	0	0	1	0	0
## 1107	0	1	0	0	1	0	0	0	0	0	0
## 1108	1	0	0	0	0	0	0	0	1	0	0
## 1109	0	1	0	0	0	0	0	0	0	0	1
## 1110	0	0	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
## 1113	0	0	1	0	0	0	0	0	0	1	0
## 1114	0	0	1	0	0	0	0	0	0	0	1
## 1115	0	0	1	0	0	1	0	0	0	0	0
## 1116	0	0	1	0	0	0	0	0	0	0	1
## 1117	0	0	1	0	1	0	0	0	0	0	0
## 1118	0	0	0	1	0	0	0	0	0	0	1
## 1119	0	0	0	1	0	0	0	0	0	0	1
## 1120	0	0	0	1	0	1	0	0	0	0	0
## 1121	0	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
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## 1179	0	0	0	0	0	0	0	1	0	0	0
## 1180	0	0	0	0	0	0	0	1	0	0	0
## 1181	0	0	0	0	0	0	0	1	0	0	0
## 1182	0	0	0	0	0	0	0	0	1	0	0
## 1183	0	0	0	0	0	0	0	0	0	1	0
## 1184	0	0	0	0	0	0	0	1	0	0	0
## 1185	1	0	0	0	0	0	0	0	1	0	0
## 1186	0	1	0	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
## 1194	0	0	1	0	0	0	0	0	0	0	1
## 1195	0	0	1	0	0	1	0	0	0	0	0
## 1196	0	0	1	0	1	0	0	0	0	0	0
## 1197	0	0	1	0	1	0	0	0	0	0	0
## 1198	0	0	1	0	0	1	0	0	0	0	0
## 1199	0	0	0	1	0	0	0	0	0	0	1
## 1200	0	0	0	1	0	0	1	0	0	0	0
## 1201	0	0	0	1	0	0	0	0	0	0	1
## 1202	0	0	0	1	1	0	0	0	0	0	0
## 1203	0	0	0	1	0	1	0	0	0	0	0
## 1204	0	0	0	0	1	0	0	0	0	0	0
## 1205	0	0	0	0	0	0	0	1	0	0	0

## 1206	0	0	0	0	0	0	0	1	0	0	0
## 1207	0	0	0	0	0	0	1	0	0	0	0
## 1208	0	0	0	0	1	0	0	0	0	0	0
## 1209	0	0	0	0	0	0	1	0	0	0	0
## 1210	0	0	0	0	0	0	0	1	0	0	0
## 1211	0	0	0	0	1	0	0	0	0	0	0
## 1212	0	0	0	0	0	0	0	1	0	0	0
## 1213	0	0	0	0	0	0	1	0	0	0	0
## 1214	0	0	0	0	0	0	1	0	0	0	0
## 1215	0	0	0	0	0	0	0	1	0	0	0
## 1216	0	0	0	0	0	0	0	1	0	0	0
## 1217	0	0	0	0	0	0	0	1	0	0	0
## 1218	0	0	0	0	0	0	0	1	0	0	0
## 1219	0	0	0	0	0	0	0	1	0	0	0
## 1220	0	0	0	0	0	0	1	0	0	0	0
## 1221	0	0	0	0	0	0	0	1	0	0	0
## 1222	0	0	0	0	0	0	0	1	0	0	0
## 1223	0	0	0	0	0	0	0	0	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
## 1233	0	1	0	0	0	0	0	0	0	0	1
## 1234	0	0	1	0	0	0	0	0	0	0	1
## 1235	0	0	1	0	1	0	0	0	0	0	0
## 1236	0	0	1	0	0	0	0	0	0	0	1
## 1237	0	0	1	0	0	0	0	0	0	0	1
## 1238	0	0	1	0	0	0	0	0	0	0	1
## 1239	0	0	1	0	0	0	0	0	0	0	1
## 1240	0	0	0	1	0	0	0	0	0	0	1
## 1241	0	0	0	1	0	1	0	0	0	0	0
## 1242	0	0	0	1	0	1	0	0	0	0	0
## 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
## 1248	0	0	0	0	0	0	0	1	0	0	0
## 1249	0	0	0	0	0	0	0	1	0	0	0
## 1250	0	0	0	0	0	1	0	0	0	0	0
## 1251	0	0	0	0	0	0	0	1	0	0	0
## 1252	0	0	0	0	0	0	0	1	0	0	0
## 1253	0	0	0	0	0	0	0	0	1	0	0
## 1254	1	0	0	0	0	0	0	1	0	0	0
## 1255	0	1	0	0	1	0	0	0	0	0	0

## 1256	0	1	0	0	0	0	0	0	1	0	0
## 1257	0	1	0	0	0	0	0	0	0	0	1
## 1258	0	1	0	0	0	0	0	0	0	0	1
## 1259	0	1	0	0	0	0	0	0	0	0	1
## 1260	0	1	0	0	0	0	0	0	0	0	1
## 1261	0	0	1	0	1	0	0	0	0	0	0
## 1262	0	0	1	0	1	0	0	0	0	0	0
## 1263	0	0	1	0	0	0	0	0	0	0	1
## 1264	0	0	1	0	0	0	0	0	0	0	1
## 1265	0	0	1	0	0	0	0	0	0	0	1
## 1266	0	0	1	0	0	0	0	0	0	0	1
## 1267	0	0	1	0	1	0	0	0	0	0	0
## 1268	0	0	0	1	0	1	0	0	0	0	0
## 1269	0	0	0	1	1	0	0	0	0	0	0
## 1270	0	0	0	1	1	0	0	0	0	0	0
## 1271	0	0	0	1	1	0	0	0	0	0	0
## 1272	0	0	0	1	1	0	0	0	0	0	0
## 1273	0	0	0	1	0	1	0	0	0	0	0
## 1274	0	0	0	0	0	1	0	0	0	0	0
## 1275	0	0	0	0	0	1	0	0	0	0	0
## 1276	0	0	0	0	0	1	0	0	0	0	0
## 1277	0	0	0	0	0	1	0	0	0	0	0
## 1278	0	0	0	0	0	1	0	0	0	0	0
## 1279	0	0	0	0	0	0	1	0	0	0	0
## 1280	0	0	0	0	0	1	0	0	0	0	0
## 1281	0	0	0	0	0	0	0	1	0	0	0
## 1282	0	0	0	0	0	0	0	0	0	1	0
## 1283	0	1	0	0	0	0	0	0	0	0	1
## 1284	0	1	0	0	1	0	0	0	0	0	0
## 1285	0	1	0	0	1	0	0	0	0	0	0
## 1286	0	0	1	0	1	0	0	0	0	0	0
## 1287	0	0	0	1	0	0	1	0	0	0	0
## 1288	0	0	0	1	0	1	0	0	0	0	0
## 1289	0	0	0	1	0	1	0	0	0	0	0
## 1290	0	0	0	1	0	0	1	0	0	0	0
## 1291	0	0	0	0	0	0	0	1	0	0	0
## 1292	0	0	0	0	0	0	0	1	0	0	0
## 1293	0	0	0	0	0	0	1	0	0	0	0
## 1294	0	0	0	0	0	0	1	0	0	0	0
## 1295	0	0	0	0	0	0	0	1	0	0	0
## 1296	0	0	0	0	0	0	0	1	0	0	0
## 1297	1	0	0	0	0	0	0	0	1	0	0
## 1298	1	0	0	0	0	0	0	1	0	0	0
## 1299	1	0	0	0	0	0	0	0	0	1	0
## 1300	1	0	0	0	0	0	0	0	1	0	0
## 1301	1	0	0	0	0	0	0	0	0	1	0
## 1302	0	1	0	0	0	0	0	0	1	0	0
## 1303	0	1	0	0	0	0	0	0	0	0	1
## 1304	0	0	1	0	1	0	0	0	0	0	0
## 1305	0	0	0	1	1	0	0	0	0	0	0

## 1306	0	0	0	0	0	1	0	0	0	0	0
## 1307	0	0	0	0	0	1	0	0	0	0	0
## 1308	0	0	0	0	0	0	0	1	0	0	0
## 1309	0	0	0	0	0	0	0	1	0	0	0
## 1310	0	0	0	0	0	0	0	1	0	0	0
## 1311	0	0	0	0	0	0	0	0	0	1	0
## 1312	0	0	0	0	0	0	0	0	1	0	0
## 1313	0	0	0	0	0	0	0	1	0	0	0
## 1314	1	0	0	0	0	0	0	0	1	0	0
## 1315	1	0	0	0	0	0	0	1	0	0	0
## 1316	1	0	0	0	0	0	0	1	0	0	0
## 1317	1	0	0	0	0	0	0	0	1	0	0
## 1318	0	0	0	1	1	0	0	0	0	0	0
## 1319	0	0	0	0	0	1	0	0	0	0	0
## 1320	0	0	0	0	0	0	0	0	1	0	0
## 1321	0	0	0	0	0	0	0	1	0	0	0
## 1322	0	1	0	0	0	0	0	0	0	1	0
## 1323	0	0	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
## 1342	0	0	0	0	0	0	0	1	0	0	0
## 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

## 1406	1	0	0	0	0	0	0	0	0	0	1
## 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

[illegible]

## 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
## 1633	1	0	0	0	0	0	0	0	0	0	1
## 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
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1194 0.0007662835
1195 0.0000000000
1196 0.0000000000
1197 0.0000000000
1198 0.0000000000
1199 0.0183908046
1200 0.0000000000
1201 0.0038314176
1202 0.0000000000
1203 0.0000000000

1204 0.0007662835
1205 0.0000000000
1206 0.0000000000
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1211 0.0030651341
1212 0.0000000000
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1224 0.0007662835
1225 0.0000000000
1226 0.0007662835
1227 0.0015325670
1228 0.0007662835
1229 0.0000000000
1230 0.0000000000
1231 0.0030651341
1232 0.0000000000
1233 0.0007662835
1234 0.0000000000
1235 0.0000000000
1236 0.0000000000
1237 0.0000000000
1238 0.0007662835
1239 0.0000000000
1240 0.0084291188
1241 0.0007662835
1242 0.0000000000
1243 0.0000000000
1244 0.0000000000
1245 0.0000000000
1246 0.0061302682
1247 0.0000000000
1248 0.0007662835
1249 0.0000000000
1250 0.0137931034
1251 0.0000000000
1252 0.0000000000
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1254 0.0000000000
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1256 0.0107279693
1257 0.0000000000
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1264 0.0007662835
1265 0.0038314176
1266 0.0038314176
1267 0.0007662835
1268 0.0000000000
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1270 0.0045977011
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1288 0.0000000000
1289 0.0007662835
1290 0.0000000000
1291 0.0000000000
1292 0.0007662835
1293 0.0160919540
1294 0.0881226054
1295 0.0007662835
1296 0.0030651341
1297 0.0268199234
1298 0.0429118774
1299 0.0030651341
1300 0.0222222222
1301 0.0015325670
1302 0.0022988506
1303 0.0015325670

1304 0.0000000000
1305 0.0045977011
1306 0.0053639847
1307 0.0053639847
1308 0.0015325670
1309 0.0000000000
1310 0.0183908046
1311 0.0000000000
1312 0.0076628352
1313 0.0214559387
1314 0.0022988506
1315 0.0252873563
1316 0.1042145594
1317 0.0015325670
1318 0.0022988506
1319 0.0038314176
1320 0.0015325670
1321 0.0114942529
1322 0.0015325670
1323 0.0000000000
1324 0.0030651341
1325 0.0206896552
1326 0.0000000000
1327 0.0000000000
1328 0.0000000000
1329 0.0022988506
1330 0.0022988506
1331 0.0007662835
1332 0.0022988506
1333 0.0038314176
1334 0.0000000000
1335 0.0091954023
1336 0.0000000000
1337 0.0007662835
1338 0.0000000000
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1340 0.0015325670
1341 0.0651340996
1342 0.0107279693
1343 0.0000000000
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1346 0.0007662835
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1348 0.0252873563
1349 0.0000000000
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1353 0.0000000000

1354 0.0000000000
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1367 0.0000000000
1368 0.0000000000
1369 0.0000000000
1370 0.0000000000
1371 0.0000000000
1372 0.0022988506
1373 0.0482758621
1374 0.0888888889
1375 0.0199233716
1376 0.0574712644
1377 0.0436781609
1378 0.0000000000
1379 0.0000000000
1380 0.0000000000
1381 0.0007662835
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1397 0.0007662835
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1401 0.0000000000
1402 0.0030651341
1403 0.0000000000

1404 0.0000000000
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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
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1575 0.0015325670
1576 0.0000000000
1577 0.0061302682
1578 0.0712643678
1579 0.0000000000
1580 0.0436781609
1581 0.0022988506
1582 0.0030651341
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1590 0.0153256705
1591 0.0000000000
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1593 0.0007662835
1594 0.0000000000
1595 0.0099616858
1596 0.0000000000
1597 0.0000000000
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1600 0.0007662835
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1602 0.0045977011
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1619 0.0007662835
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1626 0.0038314176
1627 0.0199233716
1628 0.0000000000
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## 1673 0.0000000000
## 1674 0.0022988506
## 1675 0.0000000000
## 1676 0.0000000000
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## 1680 0.0000000000
## 1681 0.0000000000
## 1682 0.0007662835
## 1683 0.0000000000
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## 1686 0.0000000000
## 1687 0.0000000000
## 1688 0.0000000000
## 1689 0.0000000000
## 1690 0.0000000000
## 1691 0.0000000000
## 1692 0.0000000000
## 1693 0.0007662835
## 1694 0.0000000000
## 1695 0.0000000000
## 1696 0.0000000000
## 1697 0.0000000000
## 1698 0.0000000000
## 1699 0.0000000000
## 1700 0.0000000000
## 1701 0.0000000000
## 1702 0.0000000000
## 1703 0.0000000000
```



```
## 1704 0.0007662835
## 1705 0.0007662835
## 1706 0.0000000000
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## 1740 0.0007662835
## 1741 0.0000000000
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## 1744 0.0000000000
## 1745 0.0000000000
## 1746 0.0007662835
## 1747 0.0007662835
## 1748 0.0000000000
## 1749 0.0045977011
## 1750 0.0000000000
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## 1752 0.0000000000
## 1753 0.0007662835
```

1754 0.0000000000
1755 0.0000000000
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1757 0.0000000000
1758 0.0000000000
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1767 0.0000000000
1768 0.0007662835
1769 0.0000000000
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1774 0.0000000000
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1776 0.0007662835
1777 0.0000000000
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1789 0.0000000000
1790 0.0000000000
1791 0.0000000000
1792 0.0007662835
1793 0.0000000000
1794 0.0000000000
1795 0.0000000000
1796 0.0007662835
1797 0.0000000000
1798 0.0000000000
1799 0.0000000000
1800 0.0000000000
1801 0.0015325670
1802 0.0000000000
1803 0.0000000000

```
## 1804 0.0000000000
## 1805 0.0000000000
## 1806 0.0000000000
## 1807 0.0007662835
## 1808 0.0000000000
## 1809 0.0000000000
## 1810 0.0000000000
## 1811 0.0000000000
## 1812 0.0000000000
## 1813 0.0030651341
## 1814 0.0000000000
## 1815 0.0007662835
## 1816 0.0000000000
## 1817 0.0007662835
## 1818 0.0038314176
## 1819 0.0000000000
## 1820 0.0000000000
## 1821 0.0007662835
## 1822 0.0000000000
## 1823 0.0000000000
## 1824 0.0015325670
## 1825 0.0015325670
## 1826 0.0000000000
## 1827 0.0007662835
## 1828 0.0000000000
## 1829 0.0114942529
## 1830 0.0000000000
## 1831 0.0007662835
## 1832 0.0000000000
## 1833 0.0000000000
## 1834 0.0000000000
## 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)
```

```
set.seed(123)
```

```
Features_model<-neuralnet(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.2910447761  
19403+X1.0+X70.49513846124168+X0.0.1+X806.0.1+X7.574626865671642+X0.0.2+X69.4  
35826365571+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+X4.970  
149253731344,data = Features_Train)
```

```
plot(Features_model)
```

```
model_results<-compute(Features_model,Features_Test[1:27])
```

```
predicted_X0.19<-model_results$net.result
```

```
nrow(predicted_X0.19)
```

```
## [1] 12945
```

```
head(predicted_X0.19)
```

```
##           [,1]
## 28004 0.002802219847
## 28005 0.002802219847
## 28006 0.002802219847
## 28007 0.002802219847
## 28008 0.002802219847
## 28009 0.002802219847
```

```
round(cor( predicted_X0.19,Features_Test$X0.19),2)
```

```

##          [,1]
## [1,] 0.34

Features_model<-neuralnet(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.2910447761
19403+X1.0+X70.49513846124168+X0.0.1+X806.0.1+X7.574626865671642,data = Featu
res_Train)
plot(Features_model)

model_results<-compute(Features_model,Features_Test[1:12])
predicted_X0.19<-model_results$net.result
nrow(predicted_X0.19)

## [1] 12945

head(predicted_X0.19)

##          [,1]
## 28004 0.002660508374
## 28005 0.002660508374
## 28006 0.002660508374
## 28007 0.002660508374
## 28008 0.002660508374
## 28009 0.002660508374

round(cor( predicted_X0.19,Features_Test$X0.19),2)

##          [,1]
## [1,] 0.34

set.seed(123)
Features_model2<-neuralnet(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.291044776
119403+X1.0+X70.49513846124168+X0.0.1+X806.0.1+X7.574626865671642,data = Feat
ures_Train, hidden = 5)
plot(Features_model2)

model_results2<-compute(Features_model2,Features_Test[1:12])
predicted_X0.192<-model_results2$net.result
nrow(predicted_X0.192)

## [1] 12945

head(predicted_X0.192)

##          [,1]
## 28004 0.001997766546
## 28005 0.001997766546
## 28006 0.001997766546
## 28007 0.001997766546
## 28008 0.001997766546
## 28009 0.001997766546

round(cor( predicted_X0.192,Features_Test$X0.19),2)

```

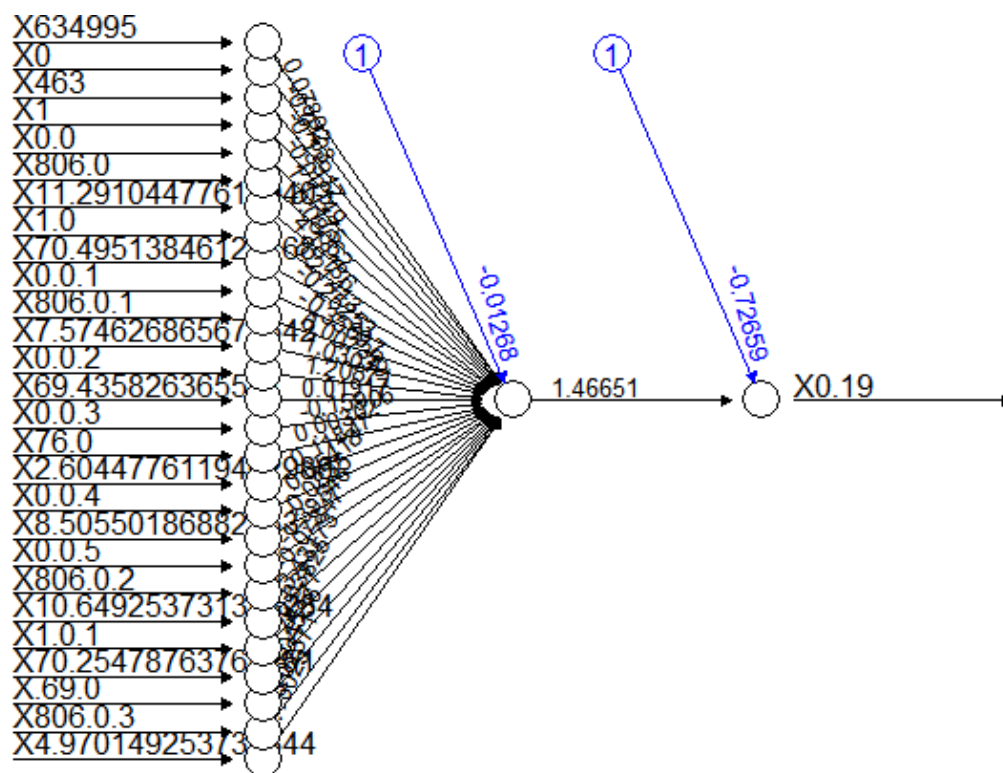
```
##      [,1]
## [1,] 0.32
```

```
set.seed(123)
```

```
Features_model<-
```

```
neuralnet(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.291044776119403+X1.0+X7
0.49513846124168+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+X1
0.649253731343284+X1.0.1+X70.25478763764251+X.69.0+X806.0.3+X4.970149253731
344,data = Features_Train)
```

```
plot(Features_model)
```



```
[1] 12945
      [,1]
28004 0.002660508374
28005 0.002660508374
```

```

28006 0.002660508374
28007 0.002660508374
28008 0.002660508374
28009 0.002660508374
      [,1]
[1,] 0.34

```

```
#model2
```

```
set.seed(123)
```

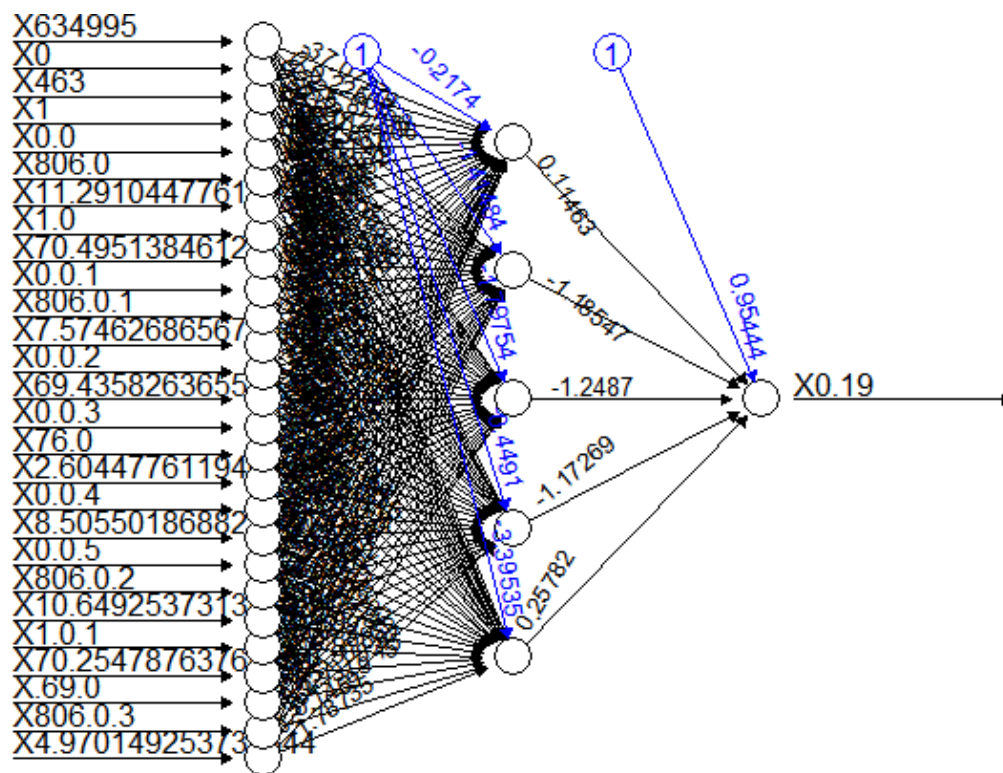
```
Features_model2<-
```

```

neuralnet(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.291044776119403+X1.0+X7
0.49513846124168+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+X1
0.649253731343284+X1.0.1+X70.25478763764251+X.69.0+X806.0.3+X4.970149253731
344,data = Features_Train, hidden = 5)

```

```
plot(Features_model2)
```



```

[1] 12945
      [,1]
28004 0.002660508374
28005 0.002660508374
28006 0.002660508374

```

```
28007 0.002660508374
28008 0.002660508374
28009 0.002660508374
      [,1]
[1,] 0.34
```

Both model 1 and model 2 Error is not shown. However the 0.34 is same for both, and this is better than the next lower level which are shown next, where error is shown. Lower the error better is the model.

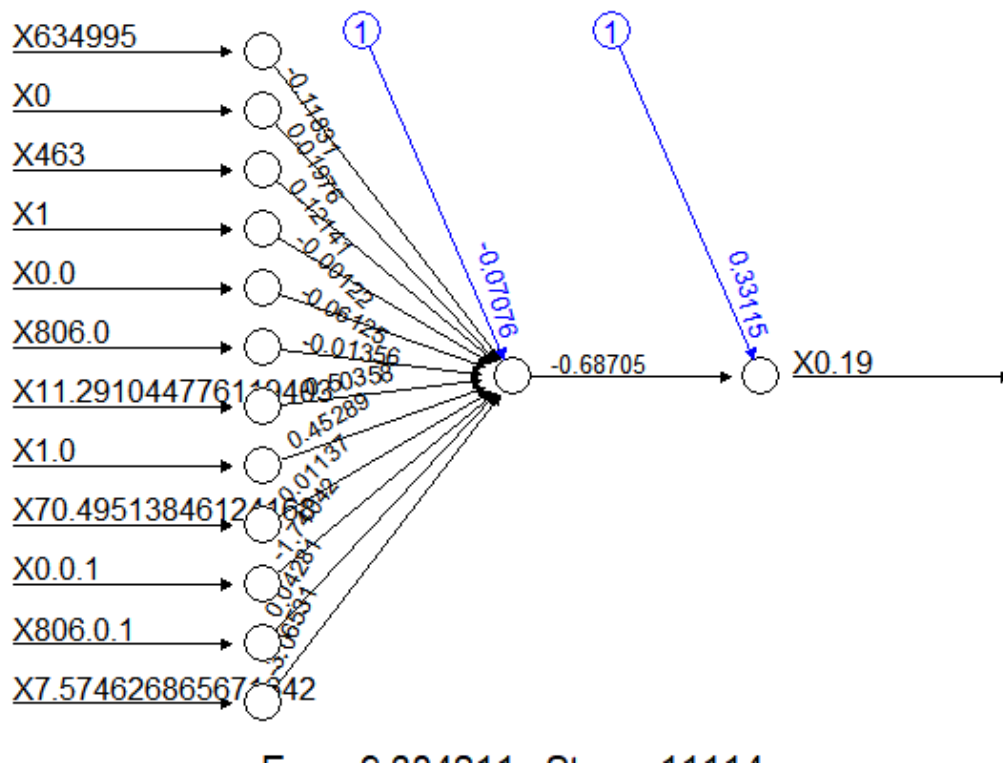
```
#Lower association model1
```

```
set.seed(123)
```

```
Features_model<-
```

```
neuralnet(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.291044776119403+X1.0+X7
0.49513846124168+X0.0.1+X806.0.1+X7.574626865671642,data = Features_Train)
```

```
plot(Features_model)
```

```
[1] 12945
      [,1]
28004 0.002660508374
28005 0.002660508374
28006 0.002660508374
28007 0.002660508374
28008 0.002660508374
28009 0.002660508374
      [,1]
[1,] 0.34
```

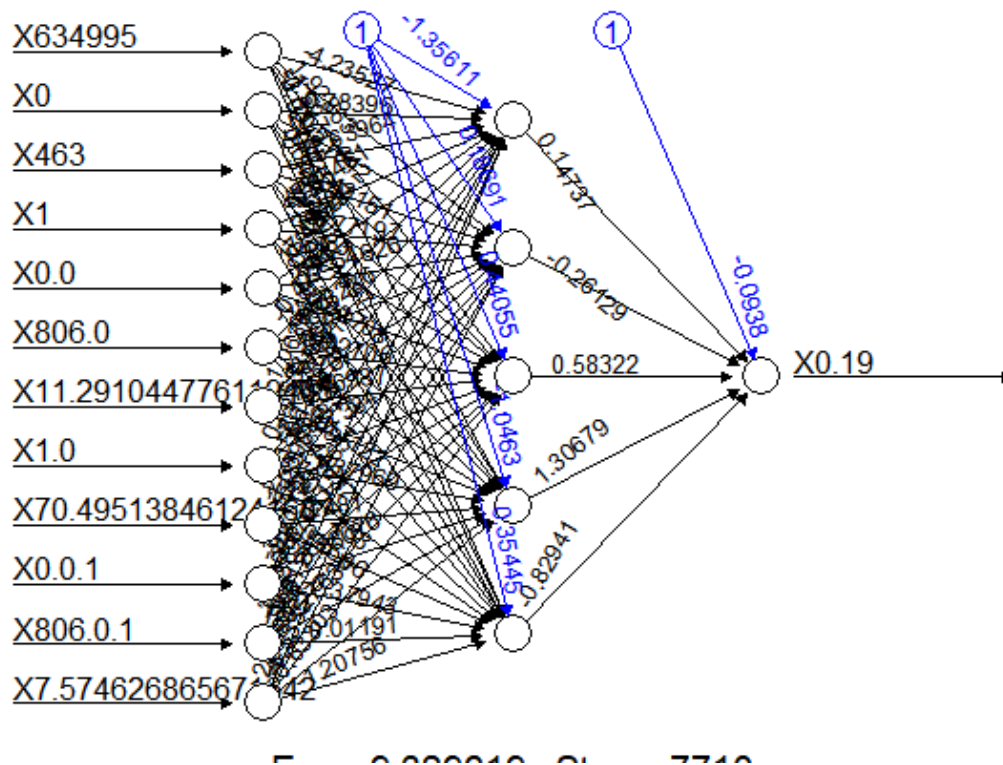
0.34 is higher and the same is better

```
set.seed(123)
```

```
Features_model2<-
```

```
neuralnet(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.291044776119403+X1.0
+X70.49513846124168+X0.0.1+X806.0.1+X7.574626865671642,data = Features_Train,
hidden = 5)
```

```
plot(Features_model2)
```



```
[1] 12945
      [,1]
28004 0.001997766546
28005 0.001997766546
28006 0.001997766546
28007 0.001997766546
28008 0.001997766546
28009 0.001997766546
      [,1]
[1,] 0.32
```

0.32 is lower than the model1 (0.34) and the previous one is better

Given below selection provides better correlation (0.65)

```
set.seed(123)
Features_model<-neuralnet(X0_19~
X634995+X0+X463+X1+X0.0+X806.0+X11.291044776119403+X1.0+X70.4951384612416
8+X0.0_1+X806.0_1+X7.574626865671642+X0.0_2+X69.435826365571+X0.0_3+X76.0+X
2.6044776119402986+X0.0_4+X8.50550186882253+X0.0_5+X806.0_2+X10.64925373134
3284+X1.0_1+X70.25478763764251+X.69.0+X806.0_3+X4.970149253731344+X0.0_6+X6
9.85058043098057+X0_1+X0_2+X0_3+X0_4+X0_5+X65+X166+X2,data = Features_Train)

plot(Features_model)
```

```

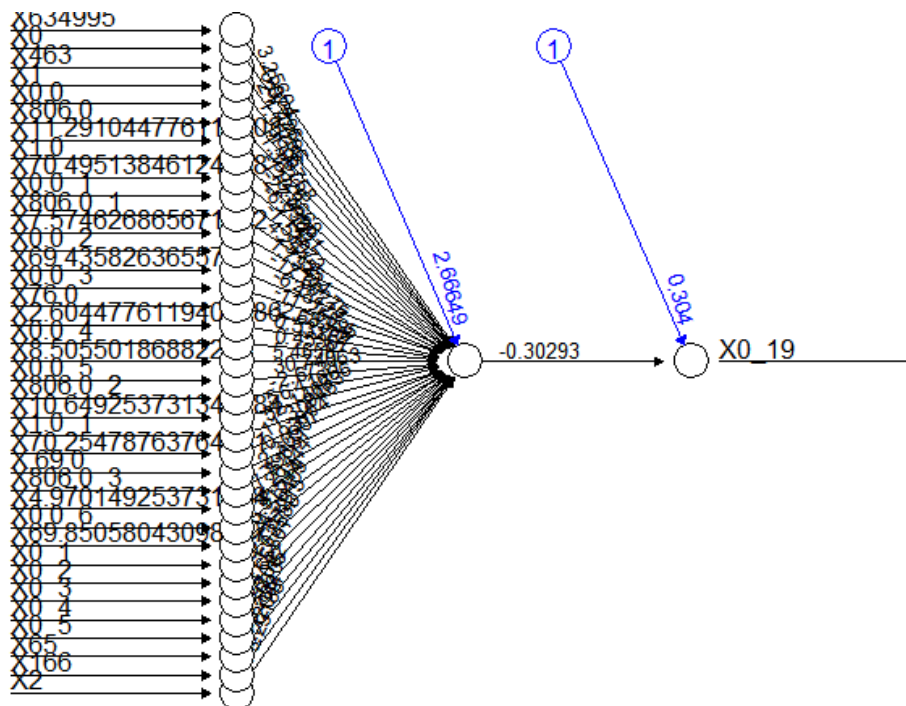
model_results<-compute(Features_model,Features_Test[1:37])
predicted_X0_19<-model_results$net.result
nrow(predicted_X0_19)
head(predicted_X0_19)
round(cor( predicted_X0_19,Features_Test$X0_19),2)

```

```

[1] 12945
      [,1]
28004 0.001069433699
28005 0.001070214932
28006 0.001087235290
28007 0.001069451002
28008 0.001589321488
28009 0.001273782979
      [,1]
[1,] 0.65

```



R Markdown

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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: