Homework 2

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Question 1: Saratoga House Prices

Linear Model

In order to accurately predict housing prices given a house's unique features, It is important to examine trends in pricing. To this end, I will examine the existing(medium model) and attempt to improve its predictive power and accuracy. The original model is a linear model that takes into account only a few elements from the available dataset.

```
function (file, header = TRUE, sep = ",", quote = "\"", dec = ".",
    fill = TRUE, comment.char = "", ...)
read.table(file = file, header = header, sep = sep, quote = quote,
    dec = dec, fill = fill, comment.char = comment.char, ...)
<bytecode: 0x00000000127e7d50>
<environment: namespace:utils>
```

```
[1] 62417.53
```

This value indicates the RMSE of the initial linear model I will set out to improve on. I believe that I can lower this out of sample error by including more of the house elements included in the data set. Doing so yields an out of sample error of:

```
[1] 55002.74
```

This new linear model appears to improve on the previous model in terms of out sample error. This new model takes into account all values available except for whether or not there a sewer nearby, how many fireplaces there are

Important Factors

In order to determine what factors contribute more significantly to this model performing better in predicting house prices, I tried two methods. The first being examining the prediction error changes when I drop a certain variable. The variables that immediately stood out were land value anf lot size. Due to how slow this method was and my own personal propensity to overlook variables, I tested the variables using a lasso net in order to find out which variables appear to be more important.
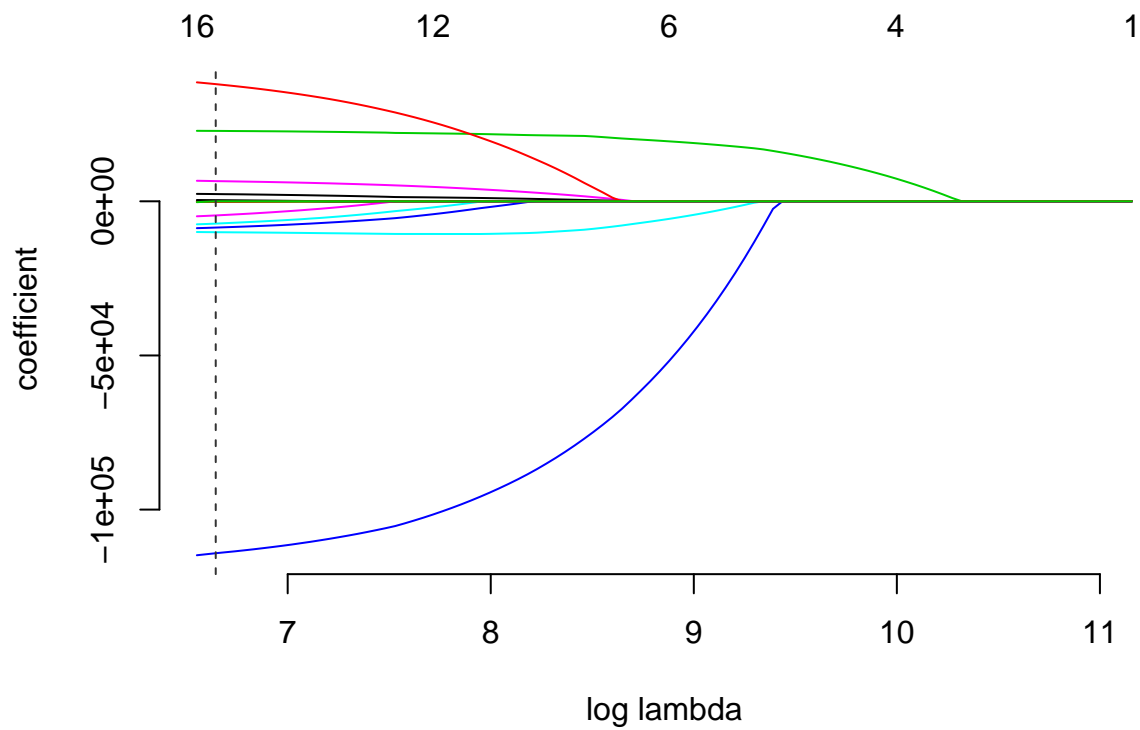
Table 1

intercept	
lotSize	
age	
landValue	
livingArea	
From this tab	le we can see what variables appear to "leap" first fron
## Nonparamet	
The best pred	ictive model for housing prices may not be a linear one, or a parametric one for that matter. In order to
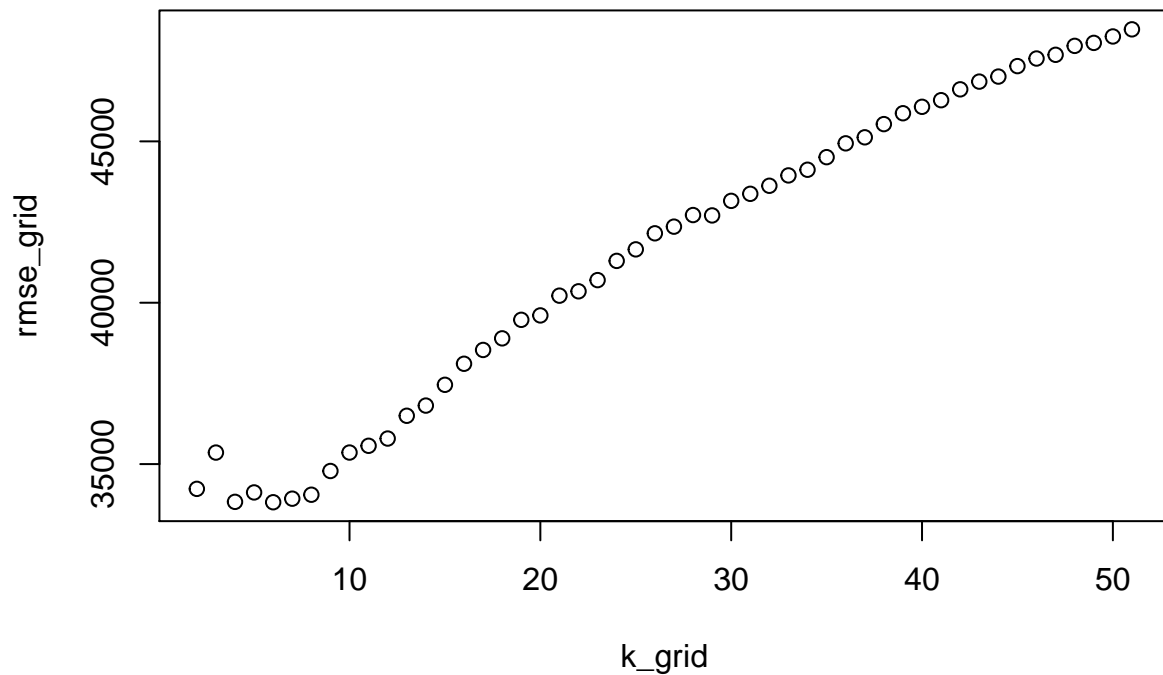
For the following KNN model, I will use 3 as the value of K as it minimizes out of sample prediction error.

I will now test the new model across multiple train-test splits in order to get the average performance of this model.

```
      result
 Min.   :27220
 1st Qu.:33953
 Median :36041
 Mean   :36302
 3rd Qu.:37798
 Max.   :47410
```

This non parametric model appears to significantly outperform both previous models.
In summary, the final model is the most accurate among the three in predicting house prices in Saratoga.

Question 2: Hospital Audit

Conservative Radiologists

In this audit, I will be examining the performance of radiologists in deciding to recall and ultimately catch wether or not a patient has cancer. The first question I am going to answer is whether or not certain radiologists are more conservative, or more likely to recall a patient controlling for factors such as history, age, etc.

```
# weights:  17 (16 variable)
initial   value 684.136267
iter  10 value 411.871589
iter  20 value 400.100732
final   value 399.992800
converged
```

	price
lotSize	7,515.546***
	(2,468.836)
landValue	0.911***
	(0.054)
livingArea	66.884***
	(5.273)
bedrooms	-7,515.834**
	(2,986.229)
bathrooms	24,505.500***
	(3,728.832)
rooms	2,311.035**
	(1,125.270)
heatinghot water/steam	-8,522.920*
	(4,743.213)
heatingelectric	914.756
	(12,997.740)
fuelelectric	-7,569.519
	(12,761.120)
fueloil	2,952.959
	(5,490.924)
centralAirNo	-12,384.190***
	(3,935.706)
Constant	29,931.220***
	(8,442.479)
N	1,382
R2	0.618
Adjusted R2	0.615
Residual Std. Error	61,169.820 (df = 1370)
F Statistic	201.805*** (df = 11; 1370)

Notes: ***Significant at the 1 percent level.

```
      recall
cancer   0   1
     0 177  13
     1   3   4


      recall
cancer   0   1
     0 157  33
     1   2   5
```

I use a multinomial logit model with the specific intention to examine the changes in probability of recall for each radiologist. Based on the results, I construct confusion matrices to examine the relative differences between certain radiologists. Radiologist 89 recalled significantly more patients than radiologist 34. Thus, holding patient risk factors equal, some radiologists appear to recall patients at higher rate and could be considered more conservative.

Weighing Factors

In order to determine wether or not radiologists should be weighing certain risk factors differently, I am going to examine what happens to the impact on accuracy inclusion of different risk factors have on predicting cancer outcomes of patients.

```
===========================================================
                              cancer
-----------------------------------------------------------
recall                       2.261***
                             (0.348)


Constant                     -4.006***
                             (0.261)


N                               987
Log Likelihood               -137.440
Akaike Inf. Crit.            278.881
===========================================================
Notes:          ***Significant at the 1 percent level.
                 **Significant at the 5 percent level.
                  *Significant at the 10 percent level.



===========================================================
                              cancer
-----------------------------------------------------------
recall                       2.257***
                             (0.348)


history                       0.206
                             (0.423)
```

```
Constant                                -4.045***
                                         (0.274)

N                                          987
Log Likelihood                          -137.326
Akaike Inf. Crit.                        280.651
========================================================
Notes:          ***Significant at the 1 percent level.
                 **Significant at the 5 percent level.
                  *Significant at the 10 percent level.


=============================================================
                                            cancer
-------------------------------------------------------------
recall                                     2.293***
                                           (0.362)

ageage5059                                  0.411
                                           (0.634)

ageage6069                                  0.353
                                           (0.804)

ageage70plus                                1.369*
                                           (0.726)

history                                     0.210
                                           (0.433)

symptoms                                    0.036
                                           (0.702)

menopausepostmenoNoHT                      -0.175
                                           (0.454)

menopausepostmenounknown                    0.770
                                           (0.726)

menopausepremeno                            0.152
                                           (0.655)

densitydensity2                             0.723
                                           (1.075)

densitydensity3                             0.847
                                           (1.071)

densitydensity4                             1.952*
                                           (1.124)

Constant                                   -5.576***
                                           (1.247)
```

```
N                                          987
Log Likelihood                             -130.588
Akaike Inf. Crit.                          287.177
===============================================================
Notes:                     ***Significant at the 1 percent level.
                            **Significant at the 5 percent level.
                             *Significant at the 10 percent level.
```

According to the data, taking family history into account actually yields worse results than a model where the decision to recall is the only factor. Going further, including all other risk factors also appears to reduce the predictive power of the model. If the radiologist were to appriately take into account these risk factors, the model including all of the risk factors should do improve on the model where the only consideration is patient recall, which is not what this data is showing.

Question 3: Viral Articles

Knowing the secret formula of why articles go viral and how one can consistently use that formula would be exceeding useful for marketing purpose. To this end I will be trying to estimate a model for predicting if an article would go viral. I will be comparing a model that estimates amount of shares and a probabilistic model that predicts wether or not a model exceeds a threshold that qualifies it as "going viral".

Part 1: Modeling number of shares

For this first model, I will be estimating a model that predicts the amount of shares that an article would get given certain characteristics. Due to the distribution of number of shares of articles, I will be using the log of shares as my variable of interest.

```
1                                              http://mashable.com/2013/01/07/amazon-
2                                              http://mashable.com/2013/01/07/ap-sams
3                                          http://mashable.com/2013/01/07/apple-40-l
4                                                http://mashable.com/2013/01/07/ast
5                                                   http://mashable.com/2013/0
6                                                   http://mashable.com/2013/0
7                                           http://mashable.com/2013/01/07/bodymed
8                                                   http://mashable.com/2013/0
9                                          http://mashable.com/2013/01/07/car-of-t
10                                              http://mashable.com/2013/01/07
11                                             http://mashable.com/2013/01/07/c
12                                              http://mashable.com/2013/0
13                                                http://mashable.com/201
14                                                    http://mashable.com,
15                                              http://mashable.com/2013/01/07/
16                                          http://mashable.com/2013/01/07/earth-s
17                                                    http://mashable.com,
18                                            http://mashable.com/2013/01/07/ent
19                                                 http://mashable.com/2013/01,
20                                            http://mashable.com/2013/01/07/fel
21                                                  http://mashable.com/20
22                                                 http://mashable.com/2013/0
```

23   http://mashable.com/2013/01/07/fu

24   http://mashable.com/2013/01/07/hi

25   http://mashable.c

26   http://mashable.com/2013/01/(

27   http://mashable.com/2013/01/07/iheart:

28   http://mashable.com/2013/01/07,

29   http://mashable.com/2013/01/07/isp02-i{

30   http://mashable.com/2013,

31   http://mashable.com/2013/01/07/1

32   http://mashable.com/2013/01/07/lego-taking-robotics-to-next-level

33   http://mashable.com/2013/0

34   http://mashable.com/2013/01/07/lionel-r

35   http://mashable.com/2013/01/07/living-ro

36   http://mashable.com/2013/01/07/1

37   http://mashable.com/20

38   http://mashable.com/2013/01/07/man-ii

39   http://mashable.com/201;

40   http://mashable.com/2013/01/07,

41   http://mashable.com/2013/01/07/monster-

42   http://mashable.com/2013/01/07/monster-ka

43   http://mashable.com/2013/01/(

44   http://mashable.com/2013/01/07/r

45   http://mashable.com/2013,

46   http://mashable.com/2013/01/07/obama-boombox-isra

47   http://mashable.com/2013/01/07/o

48 http://mashable.com/2013/01/07/one-directions-kiss-you-video-is-here-after-ba

49   http://mashable.com/2013/01/07/pai

50   http://mashable.com/2013/01/07,

51   http://mashable.cor

52   http://mashable.com/2013/01/07/philij

53   http://mashable.com/2013/01/07/phil

54   http://mashable.com/2013/01/07/pitchfork-

55   http://mashable.com/2013/01/07/po]

56   http://mashable.com/2013/01/07/power-matters-a

57   http://mashable.com/2013/01,

58   http://mashable.com/2013,

59   http://mashable.com/2013/01/07/roku-adds-channel:

60   http://mashable.com/2013/01/07/samsung-2013-

61   http://mashable.com/2013/01/07/sa

62   http://mashable.com/2013/01/07/:

63   http://mashable.com/2013/01,

64   http://mashable.com/2013/01,

65   http://mashable.com/2013/01/07

66   http://mashable.com/2013/01/07/sharp-intros-wo

67   http://mashable.com/2013/01/07/sharp-unveil

68   http://mashable.com/2013/01,

69   http://mashable.com/2013/01/07/social-tv

70   http://mashable.com/2013/01/07/sony-stops-manufac

71   http://mashable.com/2013/01/07,

72   http://mashable.com/2013/01/07/targu:

73   http://mashable.com/2013/01/07/tick{

74   http://mashable.com/2013/01,

75   http://mashable.com/201;

76   http://mashable.com/2013/01/07,

```
77                                            http://mashable.com/2013/01/07/vh
78                                         http://mashable.com/2013/01,
79                                        http://mashable.com/2013/0
80                            http://mashable.com/2013/01/08/artist-drone-
81                                 http://mashable.com/2013/01/08/japa
82                                        http://mashable.com/2013/0
83                            http://mashable.com/2013/01/08/nfl-arian-
84                                 http://mashable.com/2013/01/08/po
85                                    http://mashable.com/2013/01/(
86                                    http://mashable.com/2013/01/08
87                                            http://mashable.com,
88                                http://mashable.com/2013/01/08/star-t
89                      http://mashable.com/2013/01/08/star-wars-episode-vii-wl
90                                        http://mashable.com/201
91                                http://mashable.com/2013/01/08
92                           http://mashable.com/2013/01/09/1600-pe
93                                         http://mashable.com/20
94                             http://mashable.com/2013/01/09/am
95                                        http://mashable.com/2013
96                            http://mashable.com/2013/01/09/arr
97                               http://mashable.com/2013/01/09/l
98                               http://mashable.com/2013/01/09/bea
99                                    http://mashable.com/2013/01,
100                         http://mashable.com/2013/01/09/blue-umbrell
101                               http://mashable.com/2013/01,
102                                http://mashable.com/2013,
103                           http://mashable.com/2013/01/09/ces-
104                          http://mashable.com/2013/01/09/ces-chal
105                          http://mashable.com/2013/01/09/chesapeal
106                                      http://mashable.com/20
107           http://mashable.com/2013/01/09/crowdrise-edward-norton-mozil
108                               http://mashable.com/2013/01/09
109                      http://mashable.com/2013/01/09/dallas-sports-teams-
110                           http://mashable.com/2013/01/09/dance-fitnes
111                          http://mashable.com/2013/01/09/david-bowie-itun
112                            http://mashable.com/2013/01/09/digital-ad
113                                    http://mashable.com/2013/0
114                              http://mashable.com/2013/01/09/drive-
115                             http://mashable.com/2013/01/09/electr
116                                http://mashable.com/2013/01/(
117                                http://mashable.com/2013/01,
118                          http://mashable.com/2013/01/09/failing-
119                              http://mashable.com/2013/01/09/f
120                             http://mashable.com/2013/01/09/felic
121                             http://mashable.com/2013/01/09/fo
122                             http://mashable.com/2013/01/09/google-
123                         http://mashable.com/2013/01/09/google-dood
124                                      http://mashable.com/
125                          http://mashable.com/2013/01/09/google-pa
126                             http://mashable.com/2013/01/09,
127                                http://mashable.com/20
128                          http://mashable.com/2013/01/09/grumpy-
129                          http://mashable.com/2013/01/09/healthspot-
130                          http://mashable.com/2013/01/09/hobbit-misty-mountain
```

9

185   http://mashable.com/2013/01/10/apo

186   http://mashable.com/2013/01/10/apple-ios-a

187   http://mashable.com/2013/01/10/axe-buzz-

188   http://mashable.com/2013/01/10/baby-

189   http://mashable.com/20

190   http://mashable.com/

191   http://mashable.com/2013/

192   http://mashable.com/2013/01/10/cellphone-ca

193   http://mashable.com/2013/

194   http://mashable.com/2013/01/10/ces-chall

195   http://mashable.com/2013/01/10

196   http://mashable.com/2013/01/10,

197   http://mashable.com,

198   http://mashable.com/2013/01/10/computing-desk

199   http://mashable.com/2013/01/10/creepy-

200   http://mashable.com/2013/01/10,

201   http://mashable.com/2013/01/10/destinys-child-new-all

202   http://mashable.com/2013/01/10/digg-

203   http://mashable.com/2013/01,

204   http://mashable.com/2013/01/10/earth-like-

205   http://mashable.com/2013/01/10/faceboo

206   http://mashable.com/20

207   http://mashable.com/2013/01/10/fo

208   http://mashable.

209   http://mashable.com/2013/01/10/food-

210   http://mashable.com/2013/

211   http://mashable.com/2013/01/10,

212   http://mashable.com/2013,

213   http://mashable.com/2013/01

214   http://mashable.com/2013/01/10/how-

215   http://mashable.com/2013/01/10/how-

216   http://mashable.com/2013/01/10/ibm-wa

217   http://mashable.

218   http://mashable.com/2013/01/10/jack-le

219   http://mashable.com/2013/01/10/jennifer-lawrences-animated

220   http://mashable.com/2013/01/10/joshua-

221   http://mashable.com/2013/01/10/justin-timberlake-tweet-ne

222   http://mashable.com/2013/01/10/1

223   http://mashable.com/2013/01/10/kickstart-film

224   http://mashable.com/2013/01/10/la

225   http://mashable.com/2013/01/10/ligh

226   http://mashable.com/2013/01/

227   http://mashable.com/2013/01/10/ma

228   http://mashable.com/2013/01/10/mashable-onl

229   http://mashable.com/2013/01/10/maya

230   http://mashable.com/2013/01/10/microsoft-

231   http://mashable.com/2013/01/10/nasa-a

232   http://mashable.com/2013/01/10,

233   http://mashable.com/2013

234   http://mashable.com/2013/01/10/oscar-

235   http://mashable.com/2013/01/10/oscars-nomina

236   http://mashable.com/20

237   http://mashable.com/2013/01

238   http://mashable.com/2013/01/10/parents-blame-vide

239   http://mashable.com/2013

240   http://mashable.com/2013/01/10/reddit-

241 http://mashable.com/2013/01/10/report-steve-jobs-pleaded-with-former-hp-ceo-mark-

242   http://mashable.com/2013/01/10,

243   http://mashable.com/2013/01/10/sams

244   http://mashable.com/2013/01/10/shirtless

245   http://mashable.com/2013/0

246   http://mashable.com/2013/01,

247   http://mashable.com/2013/01/10/tl

248   http://mashable.com/2013/01/10,

249   http://mashable.com

250   http://mashable.com/2013/01/10/va

251   http://mashable.co

252   http://mashable.com/2013/01/10/watch-oscars-nominatic

253   http://mashable.com/2013/01/10/why-are-pec

254   http://mashable.com/2013/01/10,

255   http://mashable.com/2013/01/10/wikivoyages-travel-c

256   http://mashable.com/2013/0

257   http://mashable.com/2013/01/10/wireless-ga

258   http://mashable.com/2013,

259   http://mashable.com/2013/01/10/zt

260   http://mashable.com/2013/01/10,

261   http://mashable.com/2013/01/11/5-chinese-

262   http://mashable.com/2013/01/11/a-cappe

263   http://mashable.com/2013/01/11/alien-

264   http://mashable.com/2013

265   http://mashable.com/2013/01/11/bash

266   http://mashable.com/2013/01/11/big

267   http://mashable.com/2013/0

268 http://mashable.com/2013/01/11/campbells-soup-invites-developers

269   http://mashable.com/2013/01/11/ces-chall

270   http://mashable.com/2013/01/11,

271   http://mashable.com/2013/01/11/deleted-scene-this-

272   http://mashable.com/2013/01/11/destinys-chid-new

273   http://mashable.com/2013/01/11,

274   http://mashable.com/2013/01/11/facebook-mes

275   http://mashable.com/2013/01/11/fandango-silver-linings-pla

276   http://mashable.com/2013/01/11/flickr-photos-in-

277   http://mashable.com/2013/01/11/f:

278   http://mashable.com/2013

279   http://mashable.com/2013/01/11/goo

280   http://mashable.com/2013/01/11/ihome-lightning-do

281   http://mashable.com/2013/01/11/illu

282   http://mashable.com/2013/01/11/indiego

283   http://mashable.com/2013/0

284   http://mashable.com/2013/01/11/ju

285   http://mashable.com/2013/01/11/kc

286   http://mashable.com/2013/01/11/marlon-wayans-haunted

287   http://mashable.com/2013/01/11/m:

288   http://mashable.com/2013/01/11/moonshine-bla

289   http://mashable.com/2013/01/11,

290   http://mashable.com/2013/0:

291   http://mashable.com/2013/0

292   http://mashable.com/2013/01/11/pro

347   http://mashable.com/2013/01/13/min
348   http://mashable.com/2013/0
349   http://mashable.com/2013/01,
350   http://mashable.com/2013/01,
351   http://mashable.com/2013/01/13/tommy-lee-jones-is-not-im
352   http://mashable.com/2013/01/13/
353   http://mashable.com/2013/01/13/v
354   http://mashable.com/2013/01/13,
355   http://mashable.com/2013/01/13
356   http://mashable.com/2013/01/14/2
357   http://mashable.com/2013/01/14/a
358   http://mashable.com/2013/01,
359   http://mashable.com/2013/01/14/ad-
360   http://mashable.com/2013/01/1
361   http://mashable.com/2013/01/14/appl
362   http://mashable.com/2013/01/14/apple-stock-
363   http://mashable.com/2013/01/14/arianna-huffin
364   http://mashable.com/2013/01/14/avoi
365   http://mashable.com/2013/01/14/
366   http://mashable.com/2013/01/14/b
367   http://mashable.com/2013/01/14/bookless-
368   http://mashable.com/2013/01/14/br
369   http://mashable.com/2013/01/14/brandon-spil
370   http://mashable.com/2013/01/14,
371   http://mashable.com/2013/01/1
372   http://mashable.com/2013/01/
373   http://mashable.com/2013/01/14/d
374   http://mashable.com/2013/01/1
375   http://mashable.com/
376   http://mashable.com/20
377   http://mashable.com/2013/01/14/delta-airlines-ipad-
378   http://mashable.com/2013/01/14/disney-wrec
379   http://mashable.com/2013/01/14/d
380   http://mashable.com/2013/01/14/down-
381   http://mashable.com/2013/01/14/dublin-radi
382   http://mashable.com/2013/01/14/dunder-
383   http://mashable.com/2013/01/14/d
384 http://mashable.com/2013/01/14/exclusive-download-party-kids-by-sallie-f
385   http://mashable.com/2013/01/1
386   http://mashable.com/2013/0
387   http://mashable.com/2013/01/14/getglue-v
388 http://mashable.com/2013/01/14/getty-images-get-social-with-power
389   http://mashable.com/2013/01/
390   http://mashable.com/2013/01/14/golden-g
391   http://mashable.com/2013/01/14/goog
392   http://mashable.com/2013/
393   http://mashable.com/2013/01/14/hottest-golden-globes-fas
394   http://mashable.com/2013/01/14/how-to-l
395   http://mashable.com/2013/01/14,
396   http://mashable.com/2013/01,
397   http://mashable.com/2013/01/14,
398   http://mashable.com/2013/0
399   http://mashable.com/2013/01/1
400   http://mashable.com/2013/01/14/justin-timberla

401   http://mashable.com/201
402   http://mashable.com/2013/01/14/lance-armstro
403   http://mashable.com/2013/01/14/maltreated-girls-
404   http://mashable.com/2013/01/14/microsoft-critical-
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509	8	744	19	0	1
510	9	282	6	4	1
511	10	275	2	0	5
512	10	422	3	2	16
513	12	588	11	4	1
514	7	457	5	0	0
515	11	233	4	1	5
516	9	134	6	4	1
517	12	339	6	3	1
518	8	808	32	12	1
519	11	325	2	1	1
520	8	320	8	3	1
521	9	963	8	0	1
522	12	1197	13	0	1
523	11	477	23	4	16
524	8	1179	33	0	1
525	5	256	5	1	1
526	10	226	7	3	0
527	8	174	8	8	0
528	11	282	3	2	0
529	9	258	3	2	0
530	7	1901	23	4	1
531	6	448	9	0	1
532	8	365	3	1	1
533	11	185	7	4	1
534	9	1224	11	6	1
535	14	316	8	6	1

536	10	308	4	3	1
537	11	278	9	4	1
538	8	263	7	4	1
539	13	264	7	3	1
540	9	1096	28	2	21
541	11	223	18	4	9
542	10	611	10	0	1
543	8	159	3	1	0
544	9	352	16	4	1
545	9	284	4	1	0
546	8	228	6	1	0
547	10	82	5	0	1
548	10	457	10	0	1
549	10	206	4	1	0
550	10	157	2	1	0
551	13	370	2	1	1
552	10	1105	3	1	1
553	10	972	13	0	1
554	8	397	26	1	22
555	8	405	3	2	9
556	13	646	9	4	1
557	8	134	2	1	0
558	11	196	4	3	0
559	11	239	6	2	0
560	10	704	4	2	1
561	9	342	2	1	1
562	12	513	7	1	1
563	9	1964	8	4	1
564	7	897	11	0	1
565	12	171	4	1	2
566	8	245	7	5	1
567	10	152	5	2	1
568	9	132	2	1	0
569	12	363	4	3	1
570	9	436	5	4	22
571	11	132	6	3	0
572	7	340	5	3	1
573	12	182	2	1	1
574	10	311	4	1	1
575	10	1053	28	4	21
576	9	291	5	2	1
577	12	326	11	5	1
578	8	184	5	2	1
579	10	149	1	0	0
580	12	292	6	5	1
581	10	336	9	3	1
582	13	263	6	3	1
583	10	392	28	6	11
584	11	338	15	4	10
585	11	793	8	3	1
586	7	94	2	0	1
587	8	299	7	2	1
588	12	166	10	7	1
589	18	355	11	5	1

590	7	792	6	0	1
591	8	109	4	3	0
592	11	916	5	3	1
593	9	459	9	3	1
594	6	1186	15	0	1
595	10	491	16	0	1
596	10	663	4	1	1
597	11	1180	5	3	13
598	7	315	4	0	0
599	13	303	11	7	1
600	11	759	29	2	15
601	10	488	3	3	11
602	10	410	7	4	0
603	14	326	5	2	1
604	13	793	20	0	1
605	11	363	14	3	9
606	8	173	3	1	1
607	10	542	14	9	1
608	8	616	11	0	1
609	11	1331	28	1	25
610	13	258	8	4	1
611	10	124	7	3	0
612	11	398	3	2	1
613	14	322	4	2	1
614	13	177	5	4	1
615	9	380	8	0	0
616	12	864	18	3	1
617	10	1298	13	4	1
618	8	238	9	0	1
619	10	689	20	3	1
620	10	263	9	4	1
621	10	1827	16	16	17
622	9	480	9	1	1
623	11	1481	31	5	9
624	12	300	4	1	1
625	11	250	2	1	1
626	8	169	14	1	11
627	12	183	4	1	0
628	10	826	9	4	1
629	10	873	12	8	13
630	4	297	7	1	1
631	8	883	14	0	1
632	11	254	3	0	1
633	9	718	7	4	11
634	12	150	3	1	0
635	9	509	7	6	1
636	7	143	6	3	0
637	8	1272	28	12	11
638	11	479	17	2	1
639	7	22	1	1	0
640	9	912	3	2	14
641	8	420	1	1	1
642	12	349	34	5	11
643	8	576	9	5	1

644	12	270	7	3	1
645	7	263	6	4	1
646	10	185	4	1	0
647	9	238	16	3	11
648	9	130	14	3	1
649	5	155	3	0	1
650	13	298	4	0	1
651	13	742	12	8	1
652	10	322	9	2	1
653	16	185	3	1	1
654	10	246	4	2	1
655	10	452	26	2	0
656	10	240	5	4	1
657	9	409	8	0	1
658	11	480	8	5	1
659	9	250	6	1	0
660	10	532	5	3	8
661	10	497	5	5	16
662	12	1215	14	7	1
663	10	126	2	2	0
664	11	123	2	2	0
665	12	112	3	0	0
666	9	796	14	1	1
667	9	241	3	1	1
668	9	166	6	3	1
669	9	666	9	0	1
670	9	240	8	5	1
671	11	353	9	5	0
672	9	163	3	3	1
673	7	1152	11	5	1
674	9	340	4	1	1
675	11	435	8	0	1
676	14	576	5	1	1
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679	9	227	2	0	1
680	10	641	47	3	20
681	9	671	4	3	1
682	8	234	6	4	1
683	11	269	4	3	0
684	9	516	8	5	1
685	12	323	14	3	11
686	7	350	40	1	0
687	8	455	8	0	1
688	7	664	8	3	1
689	11	322	10	7	1
690	10	158	5	5	0
691	8	322	15	6	1
692	9	234	10	2	0
693	10	324	5	2	1
694	7	583	15	1	12
695	10	618	17	2	5
696	13	189	4	1	0
697	12	352	8	0	1

698	8	1113	25	18	12
699	9	629	5	2	1
700	9	222	7	4	1
701	12	186	4	1	1
702	8	265	7	4	0
703	10	327	2	0	1
704	10	775	7	5	10
705	9	368	22	1	11
706	13	306	13	6	1
707	9	497	10	4	8
708	12	342	4	1	1
709	7	151	1	0	0
710	12	668	6	0	1
711	9	1380	48	41	1
712	9	1684	14	2	1
713	9	331	12	4	1
714	7	163	4	2	1
715	9	126	4	2	0
716	11	287	13	9	0
717	8	407	4	2	1
718	10	1231	67	3	10
719	9	234	2	1	0
720	9	288	1	0	1
721	9	337	6	3	1
722	6	837	16	1	11
723	9	895	26	3	1
724	8	922	5	0	6
725	9	315	2	1	1
726	11	80	2	2	0
727	14	102	3	1	1
728	12	259	1	1	0
729	10	951	13	0	1
730	9	1549	13	1	1
731	7	794	13	2	6
732	6	1012	5	2	13
733	11	223	5	3	1
734	10	344	7	4	1
735	13	516	2	1	12
736	8	188	3	3	0
737	10	945	13	0	1
738	10	451	16	1	6
739	14	980	11	0	1
740	9	807	28	5	6
741	13	54	1	0	0
742	11	281	5	2	1
743	11	492	38	3	9
744	10	68	5	2	0
745	9	593	21	3	1
746	9	347	14	3	1
747	11	197	6	0	1
748	10	680	7	0	1
749	10	296	3	1	1
750	10	695	2	2	12
751	10	123	1	0	0

752	8	400	19	2	10
753	10	148	5	5	0
754	10	180	4	3	1
755	10	315	8	4	1
756	14	103	3	0	0
757	8	810	16	12	0
758	12	509	10	3	1
759	12	217	6	3	1
760	11	349	3	3	1
761	11	521	8	6	17
762	12	679	17	5	9
763	13	177	8	6	0
764	10	251	5	4	1
765	10	424	11	4	1
766	11	417	5	1	1
767	13	134	7	6	0
768	9	985	8	2	1
769	10	265	4	4	1
770	9	535	9	4	1
771	8	382	3	0	1
772	10	602	51	7	13
773	10	566	47	3	13
774	7	524	0	0	1
775	12	672	39	2	12
776	11	771	18	1	1
777	8	225	14	1	1
778	12	294	15	0	1
779	11	481	4	3	0
780	8	704	10	7	1
781	10	371	4	1	0
782	10	1050	13	0	1
783	11	172	16	3	12
784	10	220	8	1	7
785	10	857	7	5	17
786	6	545	11	5	1
787	9	506	16	3	0
788	10	1016	14	0	1
789	10	156	4	2	0
790	10	263	6	3	0
791	8	189	3	2	1
792	9	1777	40	7	1
793	13	113	5	4	0
794	10	154	3	1	0
795	13	145	4	2	1
796	9	746	6	5	13
797	15	208	5	4	1
798	8	286	6	5	0
799	8	827	14	12	17
800	11	150	2	1	1
801	9	666	11	1	1
802	10	185	6	0	0
803	7	366	9	0	1
804	10	526	3	2	14
805	18	537	38	34	12

806	9	745	7	2	1
807	8	249	14	3	11
808	10	85	3	2	1
809	11	242	6	1	0
810	10	296	5	4	1
811	9	184	3	2	1
812	9	548	13	2	1
813	12	286	7	7	0
814	8	1362	8	3	1
815	12	317	1	0	0
816	7	127	4	2	0
817	11	230	7	0	1
818	9	458	5	0	1
819	11	245	7	0	1
820	10	225	5	1	1
821	12	577	7	0	1
822	9	380	3	3	1
823	11	617	12	4	1
824	10	238	3	0	1
825	8	218	2	0	0
826	8	1898	16	4	1
827	12	366	5	3	0
828	10	504	11	6	1
829	10	831	6	0	1
830	7	400	4	2	1
831	14	193	3	1	1
832	8	155	2	2	1
833	10	682	10	0	1
834	12	702	14	5	1
835	9	446	7	3	1
836	8	275	3	1	1
837	8	334	15	5	1
838	10	370	7	4	1
839	11	430	15	0	1
840	11	117	0	0	0
841	9	128	3	1	0
842	10	295	12	4	0
843	11	324	31	4	12
844	10	743	53	3	13
845	11	195	5	3	0
846	10	179	4	3	0
847	10	238	3	1	1
848	8	80	1	0	0
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850	11	410	5	3	0
851	11	310	5	3	1
852	10	501	3	2	1
853	10	1438	5	3	1
854	11	1949	15	7	16
855	10	216	4	3	1
856	13	272	6	5	1
857	12	165	2	1	1
858	6	921	10	0	1
859	9	103	7	3	1

860	11	275	3	1	1
861	7	90	4	3	0
862	17	141	2	1	0
863	8	300	14	4	6
864	11	428	4	3	0
865	9	389	12	1	5
866	6	234	6	3	1
867	12	104	3	1	0
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869	12	531	10	0	1
870	11	248	10	2	0
871	10	446	14	9	1
872	11	396	6	3	1
873	9	557	9	8	9
874	10	501	4	1	1
875	9	431	3	1	1
876	8	151	4	1	0
877	13	1118	30	0	1
878	8	826	9	7	1
879	8	167	9	3	0
880	11	95	4	0	1
881	10	238	7	2	1
882	11	189	7	2	1
883	7	296	7	0	1
884	8	716	7	1	1
885	14	221	3	2	1
886	11	265	28	3	16
887	9	285	13	0	1
888	8	730	14	4	1
889	9	203	11	5	0
890	8	439	6	0	1
891	7	1079	4	2	1
892	10	1235	29	3	25
893	13	351	11	6	1
894	10	0	0	0	10
895	11	332	7	6	1
896	10	302	4	2	1
897	7	234	7	2	1
898	12	319	10	5	0
899	11	177	3	2	1
900	12	311	1	1	1
901	7	480	9	3	1
902	7	193	2	2	1
903	10	261	10	3	1
904	8	715	8	4	13
905	11	409	2	0	1
906	11	478	5	4	1
907	12	509	12	0	1
908	11	461	10	3	1
909	13	86	4	1	1
910	10	443	8	1	1
911	8	194	14	1	13
912	10	757	6	2	1
913	11	775	20	1	14

914	9	796	13	0	1
915	10	151	6	4	0
916	8	370	4	2	0
917	12	397	3	1	1
918	8	0	0	0	0
919	10	320	4	0	1
920	8	788	11	4	1
921	13	109	3	2	0
922	7	1593	11	3	1
923	11	240	5	1	1
924	9	488	11	7	1
925	12	776	5	2	1
926	11	654	15	4	1
927	10	267	9	3	0
928	9	386	14	9	1
929	13	191	5	2	0
930	14	410	5	4	1
931	11	269	1	1	0
932	9	297	11	1	1
933	10	334	8	0	1
934	10	1863	18	0	1
935	11	436	16	4	10
936	10	230	3	0	1
937	10	234	4	3	1
938	11	602	10	0	1
939	8	413	9	0	1
940	10	885	12	0	1
941	14	268	6	2	1
942	12	280	2	0	1
943	11	304	17	3	7
944	11	94	3	2	0
945	11	1027	14	0	1
946	7	256	8	5	1
947	9	97	3	0	0
948	10	163	5	1	1
949	7	232	8	3	0
950	7	320	12	0	1
951	12	282	4	3	1
952	10	384	12	3	0
953	13	184	7	7	0
954	11	235	10	4	1
955	10	203	4	1	1
956	11	61	4	1	0
957	10	255	2	1	0
958	11	505	4	2	1
959	10	406	14	8	1
960	11	501	1	0	1
961	9	117	2	0	0
962	8	1063	16	1	8
963	7	195	5	3	1
964	12	508	2	0	1
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966	12	207	3	2	1
967	7	763	33	0	1

968	9	269	4	1	4
969	12	223	5	0	1
970	10	548	6	0	1
971	11	467	8	1	0
972	12	270	2	0	0
973	7	387	8	0	0
974	8	271	3	3	1
975	11	611	1	0	1
976	8	307	5	2	1
977	12	183	5	2	1
978	9	902	15	2	8
979	12	129	6	2	0
980	10	1023	10	10	1
981	6	372	4	2	1
982	13	126	4	3	0
983	12	898	22	0	1
984	8	210	6	4	0
985	9	170	3	0	1
986	8	430	49	3	16
987	9	580	13	2	10
988	11	214	4	1	1
989	6	951	22	19	1
990	11	794	15	3	6
991	10	322	8	2	0
992	7	222	3	2	1
993	9	529	11	0	1
994	4	98	2	1	1
995	7	241	3	2	0
996	13	661	10	4	1
997	10	596	5	5	12
998	8	322	2	1	1
999	13	716	6	0	1
1000	9	342	5	2	0
1001	6	304	9	6	1
1002	11	407	9	7	1
1003	10	358	8	3	1
1004	12	169	7	5	0
1005	11	472	7	6	1
1006	9	1139	19	3	11
1007	10	411	6	2	1
1008	13	117	2	1	0
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1011	9	206	6	5	0
1012	13	801	22	8	11
1013	9	511	10	0	1
1014	6	164	3	0	0
1015	10	126	3	1	1
1016	12	239	1	1	1
1017	10	888	3	1	1
1018	8	362	5	0	1
1019	11	663	5	0	1
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1021	8	231	3	2	1

1022	9	554	8	6	18
1023	11	330	6	2	1
1024	9	419	5	3	1
1025	9	711	12	0	1
1026	13	131	4	1	0
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1029	8	565	8	0	1
1030	15	167	5	2	0
1031	10	1223	11	0	1
1032	12	1448	47	12	11
1033	11	109	2	2	0
1034	9	544	10	0	1
1035	7	560	4	2	14
1036	6	425	17	3	11
1037	13	237	2	1	0
1038	10	824	11	3	1
1039	7	228	2	1	0
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1041	10	176	5	1	0
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1047	10	275	3	1	0
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1049	13	560	8	2	1
1050	10	472	10	4	1
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1055	15	205	4	1	1
1056	8	538	8	0	1
1057	11	343	4	3	0
1058	10	194	3	1	1
1059	10	1144	21	1	1
1060	13	541	3	1	1
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1065	7	397	20	3	8
1066	8	284	6	2	0
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1068	8	2446	49	11	1
1069	5	490	9	7	1
1070	10	386	6	4	1
1071	10	815	8	0	1
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1073	12	1747	11	0	1
1074	9	371	6	5	1
1075	8	727	11	7	1

1076	14	382	4	2	0
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1078	10	134	2	1	1
1079	12	307	4	3	1
1080	9	166	10	2	7
1081	9	242	2	1	1
1082	9	99	3	3	0
1083	11	268	6	5	1
1084	11	539	11	1	1
1085	11	957	4	2	0
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1087	12	548	12	0	1
1088	9	1119	6	1	1
1089	12	343	5	1	1
1090	13	197	7	3	1
1091	13	352	4	0	1
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1094	11	116	2	1	0
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1099	7	829	15	4	1
1100	10	958	8	0	1
1101	9	427	5	1	1
1102	12	590	10	7	1
1103	12	979	12	11	0
1104	10	276	12	3	1
1105	10	301	4	2	0
1106	7	1119	3	0	1
1107	8	375	5	4	1
1108	9	353	41	1	1
1109	10	799	4	1	13
1110	8	886	9	6	13
1111	15	932	17	8	1
1112	9	927	9	3	1
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1114	14	543	2	1	1
1115	8	797	3	1	6
1116	9	674	4	3	1
1117	9	552	10	6	8
1118	14	185	7	0	1
1119	9	1287	52	42	1
1120	10	1176	20	3	11
1121	10	878	32	31	30
1122	10	0	0	0	0
1123	12	277	7	3	1
1124	11	570	5	0	1
1125	11	297	3	2	0
1126	8	275	4	4	0
1127	12	102	5	3	0
1128	9	208	8	2	1
1129	13	345	4	3	1

1130	10	931	19	1	1
1131	9	469	24	1	11
1132	9	484	7	4	13
1133	8	172	4	3	0
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1135	6	775	12	11	11
1136	8	403	5	3	13
1137	13	135	6	3	1
1138	8	428	6	4	0
1139	9	3027	3	2	25
1140	13	268	4	0	1
1141	11	46	3	1	0
1142	12	121	7	7	0
1143	9	186	2	1	0
1144	13	989	9	2	1
1145	8	1517	11	3	1
1146	11	441	16	1	8
1147	17	349	5	1	1
1148	12	448	8	0	1
1149	11	191	11	9	0
1150	9	842	8	1	1
1151	9	78	4	2	0
1152	7	162	3	1	0
1153	11	161	2	0	0
1154	11	749	11	2	6
1155	12	199	6	4	0
1156	9	274	4	3	1
1157	12	573	8	5	1
1158	10	396	19	1	6
1159	12	675	11	1	1
1160	9	243	1	1	0
1161	9	506	10	7	7
1162	7	386	18	16	8
1163	10	451	11	0	1
1164	10	118	5	3	0
1165	9	179	5	3	1
1166	8	151	4	2	1
1167	9	311	15	3	1
1168	11	233	9	7	0
1169	12	253	10	8	0
1170	7	261	11	8	1
1171	13	490	6	4	0
1172	9	255	3	2	9
1173	10	261	6	4	0
1174	14	337	5	3	1
1175	6	244	11	1	1
1176	7	602	8	1	6
1177	10	127	3	2	1
1178	10	302	7	0	1
1179	8	281	10	0	1
1180	6	1577	17	10	1
1181	7	281	6	2	1
1182	10	762	14	1	0
1183	9	320	4	0	1

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1185	9	194	4	2	1
1186	11	332	6	4	1
1187	7	107	1	0	1
1188	9	1756	6	3	14
1189	8	409	7	2	1
1190	10	259	8	4	0
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1192	12	495	9	5	1
1193	12	357	3	1	1
1194	11	838	12	0	1
1195	6	276	10	0	1
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1197	10	269	6	3	1
1198	12	213	3	2	0
1199	12	461	4	3	13
1200	10	250	16	5	10
1201	10	385	8	0	1
1202	11	726	13	0	1
1203	11	256	17	2	14
1204	9	209	6	4	0
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1207	12	175	3	1	0
1208	10	920	15	9	1
1209	14	115	6	3	0
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1211	11	384	16	0	1
1212	8	703	13	5	1
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1216	8	1236	31	10	9
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1220	11	1390	18	15	13
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1230	9	777	5	1	1
1231	9	189	3	2	1
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1234	12	244	3	1	1
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1239	10	1006	21	0	1
1240	10	921	3	2	0
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1242	10	197	7	1	1
1243	10	498	5	5	13
1244	10	161	4	3	0
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1247	11	361	5	1	1
1248	13	445	4	2	1
1249	8	210	13	3	8
1250	12	215	5	2	1
1251	13	467	54	3	0
1252	7	659	7	5	1
1253	12	308	4	1	0
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1255	10	296	3	3	1
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1257	8	616	8	2	1
1258	14	101	6	3	0
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1260	11	891	14	13	0
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1263	8	743	12	12	1
1264	8	1042	18	0	1
1265	10	236	2	1	0
1266	12	354	5	2	1
1267	9	511	14	2	1
1268	11	188	1	0	0
1269	9	122	11	1	7
1270	7	1753	24	17	9
1271	11	178	4	3	0
1272	7	130	6	3	1
1273	9	261	6	2	1
1274	8	190	5	3	1
1275	10	379	4	2	1
1276	9	160	3	2	1
1277	8	810	5	0	11
1278	8	494	5	2	1
1279	8	131	7	6	1
1280	6	197	5	2	1
1281	11	216	4	3	8
1282	8	295	17	6	6
1283	7	156	5	1	0
1284	11	473	10	4	0
1285	10	969	10	3	1
1286	11	294	11	4	1
1287	7	466	4	3	0
1288	11	491	8	4	1
1289	9	427	6	0	6
1290	12	779	13	8	1
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1293	7	402	8	1	14
1294	12	597	6	0	1
1295	10	1405	14	0	1
1296	5	118	4	1	0
1297	12	202	5	2	1
1298	7	231	6	1	1
1299	11	391	6	3	0
1300	11	1937	6	6	11
1301	12	903	5	5	11
1302	10	289	6	1	1
1303	11	246	4	3	1
1304	13	185	6	2	1
1305	7	159	4	3	1
1306	10	161	7	1	0
1307	8	527	9	2	1
1308	8	28	0	0	0
1309	11	178	2	1	1
1310	10	210	5	3	0
1311	11	104	3	2	0
1312	11	81	4	3	0
1313	14	0	0	0	0
1314	12	1160	28	12	10
1315	9	1026	42	5	1
1316	11	510	11	2	9
1317	7	683	12	1	8
1318	13	507	4	2	1
1319	9	238	6	4	0
1320	12	186	6	4	0
1321	7	327	7	4	1
1322	10	328	5	0	1
1323	4	452	2	0	13
1324	6	944	13	11	1
1325	12	283	3	0	1
1326	6	562	5	0	1
1327	12	242	5	4	0
1328	7	273	3	0	1
1329	12	142	6	3	0
1330	11	177	4	2	0
1331	13	341	10	9	1
1332	10	258	4	2	1
1333	9	642	2	1	1
1334	12	406	2	1	1
1335	8	518	9	5	16
1336	12	887	5	5	20
1337	9	0	0	0	0
1338	8	258	9	3	0
1339	10	498	17	0	1
1340	6	161	7	5	1
1341	8	115	2	2	1
1342	9	109	2	1	1
1343	12	448	2	2	1
1344	6	1195	12	6	0
1345	11	4125	8	8	21

1346	6	394	3	3	13
1347	7	2022	36	7	1
1348	9	292	26	0	1
1349	11	232	7	5	0
1350	10	568	5	2	1
1351	10	623	3	2	1
1352	11	205	6	3	0
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1355	10	742	7	4	1
1356	10	229	4	2	1
1357	10	182	2	0	0
1358	12	528	29	3	12
1359	8	937	7	7	16
1360	11	522	9	0	1
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1362	7	479	11	5	1
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1364	9	486	3	3	16
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1366	8	962	21	0	1
1367	9	265	4	1	0
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1369	10	485	17	2	8
1370	10	319	22	1	11
1371	8	391	4	0	1
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1373	6	251	7	4	1
1374	8	448	12	0	1
1375	10	354	7	3	1
1376	11	160	4	3	0
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1378	11	105	5	3	0
1379	10	435	8	0	1
1380	10	247	4	3	1
1381	9	122	3	2	0
1382	11	255	4	0	1
1383	8	467	6	4	1
1384	11	917	9	7	11
1385	10	1806	52	39	1
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1387	8	725	13	1	8
1388	10	205	6	5	1
1389	10	523	17	6	1
1390	10	541	12	3	11
1391	9	321	21	1	20
1392	10	179	4	3	0
1393	7	432	16	4	11
1394	8	971	13	0	1
1395	6	409	3	3	1
1396	5	84	3	3	1
1397	8	152	6	3	1
1398	11	142	2	1	1
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1402	9	435	8	0	1
1403	13	245	6	2	1
1404	8	168	4	3	1
1405	8	551	16	0	1
1406	13	150	3	2	0
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1408	10	468	6	5	13
1409	10	632	42	36	30
1410	11	944	6	4	0
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1413	8	179	6	1	0
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1415	9	233	6	0	1
1416	9	215	4	2	1
1417	7	109	2	1	0
1418	7	776	8	3	10
1419	10	213	6	4	0
1420	9	288	3	2	1
1421	13	329	47	3	1
1422	10	415	6	4	1
1423	10	520	6	1	0
1424	10	249	5	3	1
1425	7	213	3	1	0
1426	6	263	4	4	1
1427	13	126	5	3	0
1428	10	769	4	2	11
1429	8	736	15	10	9
1430	11	175	3	1	0
1431	8	375	7	5	1
1432	10	648	9	9	16
1433	8	440	14	8	1
1434	9	208	6	4	1
1435	10	196	1	0	5
1436	13	201	2	2	0
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1438	9	272	6	2	1
1439	10	865	11	11	1
1440	9	521	3	3	1
1441	11	144	3	2	0
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1443	9	359	7	0	0
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1445	10	398	3	2	1
1446	11	494	13	0	1
1447	11	417	9	0	1
1448	8	323	8	4	1
1449	10	113	3	2	0
1450	12	150	3	2	1
1451	10	422	5	2	1
1452	8	362	7	0	1
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1454	12	1045	5	3	1
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1456	9	661	6	3	1
1457	8	574	8	7	14
1458	12	454	4	1	1
1459	9	185	7	1	0
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1461	8	317	5	4	0
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1464	15	219	1	1	0
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1466	15	599	3	0	1
1467	12	185	3	2	1
1468	8	507	6	0	1
1469	10	274	4	2	0
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1471	8	229	4	2	0
1472	9	317	11	3	1
1473	8	298	5	3	1
1474	12	318	10	10	0
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1476	12	1900	30	3	10
1477	8	336	17	4	12
1478	7	346	6	0	1
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1481	8	115	6	3	1
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1485	10	1630	25	16	14
1486	12	0	0	0	12
1487	8	166	1	0	0
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1489	10	328	8	0	1
1490	11	497	9	3	1
1491	14	380	3	0	1
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1493	12	564	7	5	1
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1496	11	828	5	4	21
1497	9	581	12	1	1
1498	10	954	10	0	1
1499	7	184	8	0	0
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1501	9	196	2	0	0
1502	8	126	1	0	1
1503	8	375	6	2	1
1504	8	364	4	1	1
1505	13	214	3	0	1
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1510	11	165	5	1	1
1511	11	543	12	0	1
1512	10	178	6	3	1
1513	11	131	6	0	0
1514	10	163	3	1	0
1515	8	349	6	3	0
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1518	11	315	5	2	1
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1520	13	540	11	2	1
1521	9	1073	5	1	1
1522	12	194	2	2	1
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1526	9	437	9	4	1
1527	12	217	1	1	0
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1530	8	336	20	3	8
1531	10	750	13	0	1
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1539	11	1971	21	1	1
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1544	9	653	11	8	9
1545	10	1827	4	4	21
1546	11	373	6	2	0
1547	9	1595	59	51	1
1548	12	481	7	1	0
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1550	9	338	24	1	11
1551	12	270	5	2	1
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1555	10	521	18	1	6
1556	10	945	11	2	1
1557	14	608	30	0	1
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1560	11	763	40	7	11
1561	7	57	3	2	0

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1567	9	596	10	8	8
1568	13	618	8	4	1
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1570	8	1254	47	4	10
1571	11	152	4	3	0
1572	10	246	4	1	1
1573	11	223	7	6	1
1574	13	151	6	4	1
1575	10	0	0	0	0
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1577	15	172	1	0	0
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1580	10	187	3	1	0
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1582	8	702	14	1	1
1583	7	252	7	2	1
1584	9	278	7	4	0
1585	10	308	7	2	1
1586	10	220	6	1	0
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1588	7	141	4	1	0
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1590	15	218	1	1	0
1591	11	879	15	3	1
1592	9	2478	2	2	1
1593	7	747	11	1	1
1594	6	0	0	0	0
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1597	11	367	32	1	0
1598	10	855	32	31	30
1599	10	263	6	5	0
1600	5	204	11	2	1
1601	7	163	2	0	0
1602	10	594	26	22	10
1603	10	174	8	1	0
1604	13	216	1	1	1
1605	6	230	3	1	1
1606	8	820	14	3	10
1607	7	928	17	0	1
1608	12	184	8	5	1
1609	8	275	6	4	0
1610	8	177	4	3	0
1611	12	2799	11	4	1
1612	10	171	9	5	0
1613	11	714	6	6	1
1614	10	917	9	0	1
1615	13	2784	24	2	1

1616	15	2453	6	3	0
1617	10	309	6	4	1
1618	7	309	57	3	1
1619	9	447	6	0	1
1620	10	672	22	1	13
1621	8	287	7	5	0
1622	12	506	1	1	7
1623	9	281	5	4	1
1624	11	209	4	1	1
1625	9	466	3	1	1
1626	10	1383	13	0	1
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1628	9	196	4	2	1
1629	10	180	4	3	1
1630	8	158	4	3	1
1631	14	339	6	5	0
1632	9	224	4	2	1
1633	11	828	15	1	0
1634	13	924	2	1	0
1635	8	256	4	3	0
1636	9	395	27	2	1
1637	14	120	4	1	1
1638	7	338	4	0	1
1639	8	391	8	0	1
1640	10	237	6	3	0
1641	13	753	12	11	1
1642	10	162	6	3	0
1643	10	116	6	4	1
1644	10	517	8	4	1
1645	11	200	3	1	0
1646	10	980	4	2	1
1647	8	994	1	0	1
1648	9	439	0	0	1
1649	8	174	8	4	0
1650	8	26	1	1	0
1651	12	143	2	2	0
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1654	11	0	0	0	0
1655	10	296	7	3	1
1656	8	296	19	3	0
1657	10	763	5	3	1
1658	11	1269	4	0	6
1659	7	3288	29	24	1
1660	9	165	5	1	1
1661	9	331	23	1	11
1662	12	111	0	0	0
1663	9	327	27	1	11
1664	9	299	4	2	0
1665	10	1831	13	0	1
1666	7	182	5	2	0
1667	12	2458	5	4	0
1668	8	184	4	0	1
1669	8	1458	14	6	1

1670	11	85	3	2	0
1671	10	177	5	2	1
1672	12	2817	45	6	12
1673	8	99	4	1	0
1674	9	652	10	7	1
1675	9	285	3	1	1
1676	12	166	3	2	1
1677	8	155	7	2	1
1678	10	633	4	2	21
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1680	10	622	10	0	1
1681	5	221	2	0	1
1682	12	786	10	0	1
1683	9	264	3	2	0
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1685	8	428	4	3	13
1686	7	1065	6	6	20
1687	14	643	4	0	1
1688	10	555	16	11	0
1689	8	120	3	1	0
1690	11	1006	8	1	1
1691	11	357	4	3	1
1692	11	142	4	1	0
1693	8	268	17	2	13
1694	10	804	7	0	1
1695	9	248	3	0	1
1696	8	489	4	1	1
1697	8	932	23	3	20
1698	11	166	7	3	1
1699	11	484	3	2	1
1700	14	170	6	2	1
1701	11	456	5	2	1
1702	9	268	7	0	25
1703	11	625	6	1	1
1704	10	285	4	3	1
1705	11	584	15	2	0
1706	10	357	4	3	1
1707	9	171	3	0	1
1708	8	2113	21	5	6
1709	6	465	11	0	1
1710	9	650	11	6	1
1711	10	671	8	0	1
1712	9	923	25	0	1
1713	9	458	5	3	1
1714	6	1124	24	17	12
1715	8	256	6	4	1
1716	13	264	5	2	1
1717	10	659	44	40	31
1718	13	122	5	2	0
1719	12	750	16	0	1
1720	8	348	13	2	10
1721	10	107	4	2	0
1722	12	3137	12	12	21
1723	7	70	2	0	0

1724	11	347	18	2	1
1725	9	608	45	3	1
1726	12	162	3	0	0
1727	10	0	0	0	0
1728	10	455	7	3	11
1729	10	165	13	2	11
1730	11	435	13	1	11
1731	11	184	11	9	1
1732	15	111	5	3	0
1733	15	109	1	0	0
1734	6	204	4	0	1
1735	10	312	30	4	1
1736	12	257	5	2	1
1737	14	606	5	3	1
1738	11	705	10	0	1
1739	10	263	14	2	11
1740	7	294	2	0	1
1741	8	95	3	1	0
1742	11	0	0	0	0
1743	8	314	3	3	1
1744	9	0	0	0	0
1745	10	514	15	9	1
1746	8	282	18	6	11
1747	9	248	10	4	1
1748	9	188	5	3	0
1749	8	234	12	4	1
1750	11	296	5	0	1
1751	11	138	3	1	0
1752	10	282	3	2	1
1753	6	298	8	3	1
1754	8	370	8	0	1
1755	8	112	2	1	0
1756	11	208	4	1	1
1757	9	333	7	5	1
1758	12	2573	6	5	1
1759	9	93	5	3	0
1760	11	106	3	1	0
1761	11	196	5	3	1
1762	12	970	5	4	21
1763	8	132	10	1	0
1764	8	307	7	2	1
1765	11	785	12	0	0
1766	14	864	10	5	1
1767	13	273	2	2	1
1768	9	790	20	2	12
1769	11	718	15	2	12
1770	9	181	4	1	1
1771	7	458	9	0	1
1772	9	188	4	4	0
1773	8	441	10	7	1
1774	7	442	6	2	1
1775	12	286	4	2	0
1776	9	290	7	5	0
1777	11	1128	11	0	1

1778	10	312	23	2	11
1779	14	553	7	6	1
1780	9	220	2	0	1
1781	8	277	4	1	1
1782	14	130	1	1	1
1783	7	962	9	7	21
1784	15	100	6	3	0
1785	10	931	11	7	11
1786	11	263	4	2	1
1787	10	304	3	2	0
1788	11	587	12	5	0
1789	12	1070	8	3	0
1790	11	856	2	1	11
1791	8	127	4	3	0
1792	10	426	9	0	1
1793	6	571	5	1	27
1794	11	281	6	2	1
1795	12	226	4	1	1
1796	9	176	5	2	1
1797	12	670	5	1	0
1798	12	248	3	1	0
1799	10	140	4	3	0
1800	11	207	6	4	0
1801	8	401	13	0	1
1802	9	158	4	1	1
1803	9	866	18	4	0
1804	11	183	1	0	0
1805	11	282	7	5	1
1806	11	343	12	6	1
1807	10	138	2	1	0
1808	6	118	4	2	0
1809	10	218	7	4	0
1810	11	284	9	4	0
1811	10	239	4	1	1
1812	10	1293	6	0	1
1813	9	1051	6	5	21
1814	10	264	4	2	1
1815	8	264	6	3	1
1816	7	59	6	0	0
1817	6	724	5	1	16
1818	10	144	8	6	1
1819	8	886	12	4	1
1820	8	453	6	0	1
1821	12	274	5	1	1
1822	13	105	3	1	0
1823	8	0	0	0	0
1824	11	1155	11	2	1
1825	9	466	7	0	1
1826	9	173	5	2	1
1827	10	122	7	5	0
1828	9	174	5	3	1
1829	11	266	4	3	1
1830	9	260	12	1	11
1831	7	142	7	5	0

1832	7	238	4	0	0
1833	11	611	18	0	1
1834	12	491	18	3	9
1835	9	202	16	4	11
1836	11	380	1	1	7
1837	8	269	5	2	0
1838	11	467	5	0	1
1839	11	592	13	0	1
1840	9	393	3	1	1
1841	6	892	12	7	1
1842	7	322	1	0	1
1843	10	172	4	0	1
1844	9	601	7	4	12
1845	7	568	16	3	9
1846	9	1147	24	2	15
1847	10	312	7	4	1
1848	11	533	14	4	1
1849	12	615	2	0	1
1850	9	186	4	2	1
1851	9	186	10	2	5
1852	9	654	5	1	1
1853	8	480	7	2	1
1854	10	2541	9	7	1
1855	10	322	6	4	0
1856	11	201	1	0	1
1857	11	344	8	0	0
1858	7	574	6	5	0
1859	10	427	4	2	1
1860	11	1130	33	24	0
1861	10	170	3	2	5
1862	10	216	12	2	0
1863	11	959	3	2	0
1864	12	320	2	0	9
1865	8	199	1	0	1
1866	11	397	3	2	1
1867	9	284	5	3	1
1868	9	708	11	6	1
1869	7	653	12	8	8
1870	14	182	3	3	1
1871	8	86	6	1	4
1872	10	309	9	0	1
1873	10	619	8	6	1
1874	15	206	4	3	1
1875	9	336	3	2	1
1876	9	2258	29	2	11
1877	10	131	6	5	0
1878	10	315	6	2	1
1879	11	1063	4	4	11
1880	10	172	1	0	1
1881	11	289	4	3	0
1882	7	82	4	1	0
1883	10	101	5	3	1
1884	8	377	4	1	1
1885	8	205	5	2	1

1886	9	286	7	6	1
1887	10	138	3	0	0
1888	8	175	4	3	1
1889	9	434	4	4	12
1890	9	804	17	0	1
1891	9	329	11	0	1
1892	8	562	9	0	0
1893	13	120	4	2	0
1894	8	858	24	3	1
1895	7	537	7	0	1
1896	12	263	1	1	1
1897	8	2476	42	11	1
1898	10	316	4	1	1
1899	9	135	5	2	0
1900	6	560	13	4	1
1901	11	680	11	0	0
1902	10	210	8	3	0
1903	7	252	3	0	1
1904	6	354	9	0	1
1905	8	194	5	2	1
1906	9	480	4	3	17
1907	9	111	3	2	1
1908	12	553	5	2	1
1909	9	828	9	0	1
1910	10	494	6	5	1
1911	11	368	5	5	0
1912	10	295	3	1	1
1913	10	211	4	2	1
1914	11	330	3	0	1
1915	13	116	4	1	0
1916	9	215	9	4	0
1917	12	486	4	1	1
1918	11	215	4	2	5
1919	8	464	4	0	0
1920	11	446	10	0	1
1921	12	243	6	2	0
1922	7	171	5	2	1
1923	13	171	3	3	0
1924	7	345	39	1	1
1925	8	0	0	0	4
1926	9	143	4	2	1
1927	11	441	5	3	1
1928	9	303	7	1	1
1929	8	422	43	1	1
1930	8	334	6	0	1
1931	10	322	5	2	0
1932	9	757	16	2	8
1933	11	501	9	0	1
1934	9	586	6	0	1
1935	14	879	19	4	12
1936	9	296	34	2	11
1937	10	189	15	2	10
1938	11	861	15	8	1
1939	11	241	16	3	11

1940	13	89	0	0	0
1941	7	68	3	0	0
1942	5	314	8	2	1
1943	8	127	4	3	0
1944	11	335	26	2	1
1945	13	1176	23	12	1
1946	8	211	9	5	0
1947	13	436	3	3	0
1948	8	793	12	2	1
1949	7	1573	8	0	1
1950	10	311	4	3	1
1951	9	788	20	18	11
1952	9	210	3	1	1
1953	9	202	9	0	0
1954	8	574	4	1	6
1955	9	539	10	5	8
1956	12	192	5	2	0
1957	9	214	6	1	0
1958	13	580	8	0	1
1959	9	1619	63	55	1
1960	13	232	3	1	1
1961	13	378	17	2	1
1962	9	175	1	1	0
1963	9	253	7	3	0
1964	10	1045	26	2	1
1965	11	246	3	1	0
1966	9	418	19	3	10
1967	11	153	9	0	10
1968	16	178	3	1	0
1969	10	126	3	2	0
1970	10	1618	31	3	1
1971	11	151	5	1	0
1972	9	1147	17	5	1
1973	6	746	21	13	11
1974	11	1189	11	0	1
1975	13	285	10	4	1
1976	8	1047	29	6	24
1977	12	297	21	2	15
1978	10	323	6	4	1
1979	11	72	3	1	0
1980	10	412	11	5	5
1981	8	395	4	2	1
1982	9	863	33	31	30
1983	9	850	1	1	24
1984	11	1444	2	2	24
1985	9	682	7	2	9
1986	9	0	0	0	23
1987	12	526	7	3	7
1988	7	247	4	0	0
1989	11	907	20	2	24
1990	7	1170	22	0	1
1991	8	54	1	1	0
1992	10	353	6	4	0
1993	7	679	5	5	24

1994	8	717	11	2	6
1995	14	222	6	3	0
1996	12	838	10	3	8
1997	9	163	3	0	0
1998	9	496	7	3	7
1999	11	600	25	18	8
2000	10	129	9	4	0
2001	7	614	3	2	1
2002	11	295	4	0	1
2003	9	48	4	3	0
2004	10	867	27	3	11
2005	10	191	3	0	1
2006	13	290	6	3	1
2007	12	333	11	3	1
2008	15	113	5	3	0
2009	12	264	1	1	1
2010	8	300	7	4	0
2011	6	1684	8	3	20
2012	8	626	9	8	1
2013	12	972	3	1	21
2014	8	235	4	3	0
2015	12	0	0	0	0
2016	8	1308	4	1	0
2017	9	227	2	2	1
2018	12	153	3	0	1
2019	8	458	8	5	1
2020	7	1063	15	0	1
2021	9	394	9	0	1
2022	10	707	7	2	1
2023	9	313	4	1	1
2024	10	93	4	3	0
2025	6	150	8	3	1
2026	7	188	4	1	1
2027	7	367	9	6	1
2028	6	446	16	0	1
2029	8	106	2	1	0
2030	12	94	4	3	0
2031	11	372	9	7	1
2032	8	706	6	4	0
2033	7	973	23	4	24
2034	7	386	7	6	1
2035	8	374	2	0	1
2036	12	1069	15	4	24
2037	12	143	1	0	0
2038	13	869	3	2	0
2039	8	344	22	1	10
2040	8	331	11	6	1
2041	10	159	6	5	0
2042	10	266	10	3	5
2043	9	227	6	2	0
2044	10	418	13	5	1
2045	12	510	7	1	1
2046	12	284	2	2	11
2047	9	743	15	1	0

2048	12	350	4	2	1
2049	9	163	4	3	1
2050	9	372	9	0	1
2051	9	176	3	0	1
2052	9	226	7	4	1
2053	10	328	8	4	1
2054	11	215	8	2	1
2055	9	259	7	2	1
2056	9	176	15	2	1
2057	9	487	26	2	1
2058	10	232	5	3	1
2059	8	297	8	7	4
2060	8	312	2	2	0
2061	10	611	5	1	1
2062	11	166	13	2	4
2063	12	481	6	3	0
2064	8	476	9	0	1
2065	9	361	13	0	1
2066	10	376	6	4	1
2067	9	300	3	2	0
2068	12	588	25	5	5
2069	11	501	11	4	1
2070	13	281	4	3	1
2071	15	216	7	2	1
2072	8	2419	19	5	20
2073	9	817	40	6	9
2074	9	489	9	5	1
2075	6	2314	50	3	24
2076	7	479	36	3	10
2077	11	316	7	4	1
2078	6	753	9	6	1
2079	12	368	4	2	1
2080	10	529	6	5	1
2081	11	388	6	2	1
2082	10	163	5	1	1
2083	10	1252	2	2	31
2084	7	164	6	1	0
2085	12	1088	8	6	20
2086	12	104	5	4	0
2087	13	221	7	5	0
2088	9	215	3	2	1
2089	7	754	14	0	1
2090	8	613	5	4	13
2091	10	354	6	1	1
2092	6	83	4	1	0
2093	10	193	3	2	1
2094	9	238	5	3	1
2095	8	1008	23	0	1
2096	10	138	4	1	1
2097	6	205	4	1	1
2098	7	643	12	7	7
2099	11	509	9	7	1
2100	8	304	21	5	15
2101	10	3050	8	2	1

2102	9	398	27	0	1
2103	11	295	4	3	0
2104	11	344	5	1	1
2105	9	203	0	0	1
2106	11	281	14	3	1
2107	11	210	8	3	1
2108	11	337	6	1	1
2109	10	339	15	4	0
2110	13	410	4	3	6
2111	9	177	3	1	1
2112	10	205	4	1	1
2113	12	186	2	0	1
2114	13	244	4	2	1
2115	11	475	6	2	1
2116	10	231	2	1	1
2117	11	655	6	4	1
2118	13	306	1	1	1
2119	12	360	8	1	1
2120	8	243	1	1	1
2121	7	246	5	3	0
2122	9	280	21	2	15
2123	11	98	4	3	0
2124	10	317	6	3	0
2125	10	197	1	0	1
2126	6	530	11	0	1
2127	7	639	4	0	1
2128	10	497	18	3	6
2129	7	384	4	2	0
2130	8	380	30	3	10
2131	9	499	6	3	1
2132	11	917	2	1	0
2133	12	0	0	0	0
2134	11	254	11	3	14
2135	9	237	1	1	1
2136	8	743	35	4	12
2137	11	848	6	0	1
2138	8	126	0	0	1
2139	9	137	3	1	1
2140	10	553	3	3	1
2141	9	702	1	1	23
2142	10	268	1	0	0
2143	8	425	46	3	11
2144	10	223	2	1	0
2145	8	163	4	0	0
2146	11	672	28	2	25
2147	9	298	8	2	6
2148	11	622	15	2	12
2149	9	242	4	2	1
2150	10	173	12	1	10
2151	8	445	14	2	11
2152	10	1124	25	6	15
2153	11	318	4	1	1
2154	10	282	5	3	1
2155	10	268	4	1	11

2156	9	596	7	2	1
2157	8	220	5	2	1
2158	9	275	9	5	1
2159	10	342	2	1	1
2160	13	170	5	3	0
2161	8	506	10	0	1
2162	9	534	4	1	6
2163	11	307	9	2	0
2164	10	1563	49	2	26
2165	13	283	6	4	1
2166	8	262	3	0	1
2167	7	438	6	6	7
2168	7	298	4	0	1
2169	10	127	3	0	1
2170	13	161	5	3	0
2171	10	1045	3	3	20
2172	10	285	10	7	1
2173	9	253	18	2	15
2174	9	268	10	3	6
2175	12	648	7	3	1
2176	9	214	43	3	11
2177	9	921	7	7	25
2178	10	667	28	3	12
2179	9	439	8	3	1
2180	10	173	4	1	0
2181	12	486	15	2	1
2182	11	3730	22	2	12
2183	12	1195	17	6	1
2184	8	794	7	2	1
2185	11	365	23	2	11
2186	11	563	6	3	1
2187	12	466	9	3	1
2188	12	887	5	4	24
2189	10	1207	16	10	10
2190	9	545	6	0	0
2191	12	397	8	5	0
2192	9	611	3	2	0
2193	10	1227	7	3	1
2194	9	518	6	0	1
2195	10	1334	15	0	1
2196	12	128	2	1	1
2197	9	198	6	4	0
2198	10	449	7	0	1
2199	11	248	3	2	0
2200	9	192	2	1	1
2201	7	133	4	2	1
2202	8	1066	11	2	1
2203	9	487	5	5	1
2204	10	373	1	0	1
2205	13	1535	16	0	1
2206	13	339	25	4	10
2207	8	277	7	4	1
2208	6	588	11	6	1
2209	10	456	6	3	1

2210	8	1378	6	0	1
2211	11	181	7	5	0
2212	10	429	12	1	1
2213	10	760	10	3	1
2214	10	843	12	3	1
2215	12	209	12	4	1
2216	11	318	11	8	1
2217	10	834	6	3	1
2218	7	205	5	4	0
2219	14	128	5	3	0
2220	10	41	1	0	0
2221	9	281	5	2	0
2222	12	214	7	3	1
2223	10	25	1	0	0
2224	8	860	7	3	1
2225	10	389	7	3	1
2226	9	466	9	4	0
2227	8	197	4	0	1
2228	12	683	16	3	1
2229	8	325	48	4	1
2230	10	190	5	2	0
2231	11	222	3	2	1
2232	10	152	5	4	0
2233	12	329	3	2	0
2234	10	498	4	4	1
2235	10	174	14	3	11
2236	7	831	48	2	12
2237	9	699	7	3	1
2238	8	204	7	2	1
2239	9	801	14	2	11
2240	12	160	3	2	0
2241	13	318	9	5	1
2242	11	217	3	0	1
2243	7	199	14	4	7
2244	11	159	2	1	1
2245	9	573	22	7	5
2246	10	323	10	2	1
2247	9	327	5	3	1
2248	10	379	10	0	1
2249	11	724	15	2	7
2250	8	246	2	0	1
2251	11	595	12	0	1
2252	10	319	1	0	1
2253	7	370	5	3	0
2254	9	389	6	4	1
2255	6	0	0	0	0
2256	9	598	9	0	1
2257	12	367	9	0	0
2258	10	224	5	3	19
2259	9	308	2	0	13
2260	6	97	3	1	0
2261	7	326	3	2	0
2262	10	192	8	0	1
2263	12	207	8	4	1

2264	6	333	5	2	1
2265	15	146	6	1	1
2266	10	607	5	0	6
2267	10	529	3	3	1
2268	10	281	6	0	0
2269	11	199	5	2	1
2270	12	345	24	2	10
2271	9	286	11	5	0
2272	6	123	2	1	1
2273	8	953	37	6	11
2274	9	371	6	0	0
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1566	0	4.261137	10
1567	0	4.704698	10
1568	0	4.048544	6
1569	0	4.710575	1
1570	0	4.783892	7
1571	1	4.486842	9
1572	0	4.967480	10
1573	3	4.251121	10
1574	1	4.715232	8
1575	14	0.000000	9
1576	1	5.019896	7
1577	1	4.215116	7
1578	1	4.617978	9
1579	0	4.334459	7
1580	1	4.449198	8
1581	0	4.615385	10
1582	1	5.024217	10
1583	0	5.000000	8
1584	0	4.471223	10
1585	15	4.837662	9
1586	1	4.695455	7
1587	0	5.091837	7
1588	1	4.560284	9

1589	1	4.737685	7
1590	1	4.050459	9
1591	10	4.695108	9
1592	73	4.780872	10
1593	0	4.305221	10
1594	1	0.000000	10
1595	1	4.703704	8
1596	14	5.371901	8
1597	1	5.059946	10
1598	0	4.583626	10
1599	0	4.676806	7
1600	5	5.235294	8
1601	0	4.840491	9
1602	0	4.547138	8
1603	0	4.431034	8
1604	6	4.300926	4
1605	0	4.800000	5
1606	0	4.369512	10
1607	0	4.582974	8
1608	0	4.934783	7
1609	20	4.574545	9
1610	1	4.401130	6
1611	73	4.809575	9
1612	2	4.654971	7
1613	2	4.390756	8
1614	0	4.827699	6
1615	73	4.785920	10
1616	74	4.763555	7
1617	0	4.524272	6
1618	0	5.245955	5
1619	0	4.539150	8
1620	0	4.669643	8
1621	0	4.634146	9
1622	1	4.440711	3
1623	0	4.633452	6
1624	0	5.669856	7
1625	0	4.384120	5
1626	0	5.311641	10
1627	0	4.486159	4
1628	0	4.719388	6
1629	2	4.316667	3
1630	0	4.405063	6
1631	2	4.179941	10
1632	0	4.906250	6
1633	0	5.341787	7
1634	26	4.411255	8
1635	21	4.480469	6
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1637	0	4.425000	10
1638	0	4.704142	8
1639	0	4.680307	7
1640	0	4.464135	10
1641	0	4.918991	8
1642	1	4.530864	8

1643	0	4.905172	8
1644	0	5.092843	7
1645	0	4.610000	9
1646	0	4.629592	4
1647	0	4.710262	10
1648	0	5.277904	5
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1650	0	4.307692	7
1651	0	4.748252	7
1652	18	4.502639	10
1653	0	4.515873	6
1654	0	0.000000	10
1655	0	4.858108	5
1656	0	4.783784	5
1657	0	4.934469	5
1658	0	4.365642	6
1659	73	4.720803	6
1660	0	4.751515	5
1661	0	4.685801	10
1662	1	4.450450	7
1663	0	4.100917	7
1664	7	4.498328	10
1665	0	4.740579	8
1666	0	4.741758	4
1667	75	4.782750	7
1668	0	4.760870	6
1669	0	4.477366	10
1670	1	4.529412	6
1671	0	4.779661	7
1672	1	4.690451	8
1673	1	4.232323	8
1674	0	4.647239	5
1675	0	4.414035	6
1676	0	4.650602	7
1677	0	4.819355	2
1678	0	4.259084	7
1679	0	4.578431	9
1680	0	4.620579	7
1681	0	4.927602	6
1682	0	4.736641	9
1683	21	4.431818	8
1684	1	4.186667	6
1685	0	4.450935	6
1686	1	4.394366	8
1687	0	4.900467	7
1688	11	4.342342	9
1689	0	4.625000	5
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1692	1	3.971831	6
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1694	0	4.769900	7
1695	0	4.665323	3
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1702	0	4.447761	10
1703	0	5.043200	4
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1707	0	4.929825	6
1708	1	4.255088	8
1709	0	4.905376	7
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1711	0	4.639344	5
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1718	0	4.811475	10
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1720	0	4.362069	8
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1722	0	4.211986	9
1723	0	4.728571	6
1724	1	4.328530	5
1725	0	4.608553	8
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1728	0	4.551648	5
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1731	0	4.668478	4
1732	0	4.315315	8
1733	1	4.357798	6
1734	0	4.578431	5
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1736	0	4.505837	5
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1738	0	4.937589	8
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1742	0	0.000000	9
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1744	0	0.000000	10
1745	0	4.756809	8
1746	0	4.379433	9
1747	0	4.758065	4
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1749	0	4.594017	6
1750	0	5.222973	4

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1753	0	4.620805	7
1754	0	4.729730	8
1755	1	4.223214	6
1756	0	4.461538	5
1757	0	4.741742	7
1758	73	4.771473	8
1759	0	4.602151	8
1760	1	5.066038	6
1761	1	4.112245	5
1762	0	4.368041	6
1763	0	5.053030	8
1764	0	4.908795	6
1765	1	4.614013	7
1766	0	4.420139	9
1767	1	4.373626	7
1768	1	4.546835	7
1769	0	4.271588	7
1770	0	4.613260	5
1771	0	5.039301	7
1772	1	4.164894	6
1773	0	4.759637	4
1774	0	5.330317	6
1775	21	4.465035	5
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1777	0	5.231383	9
1778	0	4.721154	10
1779	0	4.461121	6
1780	0	5.013636	4
1781	0	4.833935	6
1782	0	4.700000	4
1783	0	4.506237	6
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1785	0	4.737916	7
1786	0	4.722433	8
1787	21	4.447368	7
1788	0	4.388416	7
1789	1	4.244860	4
1790	0	4.433411	9
1791	0	4.700787	9
1792	0	5.169014	5
1793	0	4.796848	6
1794	0	5.249110	6
1795	0	4.460177	6
1796	0	4.295455	5
1797	12	4.426866	6
1798	0	4.375000	10
1799	1	4.728571	5
1800	1	4.458937	10
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1802	0	4.291139	9
1803	15	4.286374	9
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1805	0	4.524823	5
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1807	1	4.492754	7
1808	1	4.457627	10
1809	0	4.555046	5
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1811	0	4.447699	4
1812	0	4.573859	8
1813	0	4.506185	8
1814	0	4.727273	5
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1816	0	4.966102	10
1817	0	4.704420	6
1818	0	4.291667	7
1819	0	4.628668	4
1820	0	4.701987	7
1821	0	4.605839	5
1822	1	4.609524	5
1823	0	0.000000	7
1824	11	4.495238	5
1825	0	4.976395	10
1826	0	4.653179	4
1827	2	5.016393	10
1828	0	4.844828	6
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1832	1	4.668067	7
1833	0	4.731588	7
1834	0	4.588595	7
1835	0	4.910891	10
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1837	0	5.141264	10
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1840	0	5.027990	3
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1842	0	4.701863	4
1843	0	5.046512	5
1844	0	4.700499	10
1845	0	4.297535	8
1846	0	4.328684	9
1847	0	4.839744	10
1848	0	4.983114	9
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1850	0	4.849462	6
1851	1	4.919355	8
1852	0	4.844037	5
1853	1	4.620833	5
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1855	21	4.493789	6
1856	0	4.905473	4
1857	1	5.316860	6
1858	0	4.710801	6

1859	0	4.213115	5
1860	10	4.627434	7
1861	0	4.688235	7
1862	1	5.166667	6
1863	26	4.391032	6
1864	0	4.290625	6
1865	0	4.597990	5
1866	0	4.508816	5
1867	1	4.457746	4
1868	1	4.672316	7
1869	0	4.661562	5
1870	1	4.423077	8
1871	0	5.511628	5
1872	1	4.831715	8
1873	0	4.381260	10
1874	0	4.126214	10
1875	0	4.669643	6
1876	0	4.747564	5
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1878	0	4.504762	4
1879	0	4.349953	9
1880	0	4.558140	4
1881	22	4.429066	7
1882	0	4.390244	9
1883	0	5.356436	5
1884	0	4.503979	8
1885	0	5.004878	4
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1887	1	4.427536	6
1888	0	4.617143	6
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1890	0	4.460199	8
1891	0	5.349544	7
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1893	0	4.825000	10
1894	0	4.555944	4
1895	1	4.595903	8
1896	0	4.498099	5
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1898	0	4.731013	8
1899	1	4.474074	7
1900	0	4.867857	6
1901	1	4.702941	8
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1903	1	4.900794	7
1904	0	4.759887	7
1905	0	4.314433	7
1906	0	4.239583	7
1907	0	4.369369	4
1908	0	4.783002	7
1909	0	5.165459	7
1910	0	4.421053	6
1911	21	4.375000	6
1912	0	4.244068	4

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1914	0	4.857576	5
1915	0	4.887931	9
1916	0	4.720930	8
1917	17	4.413580	6
1918	1	4.530233	5
1919	1	4.547414	9
1920	0	4.603139	8
1921	0	4.345679	7
1922	0	5.134503	10
1923	1	4.005848	6
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1927	1	4.362812	10
1928	8	4.904290	6
1929	0	4.620853	7
1930	0	4.772455	8
1931	1	4.366460	7
1932	0	4.484808	7
1933	0	4.698603	7
1934	0	4.319113	7
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1936	0	4.861486	7
1937	1	4.761905	7
1938	0	4.480836	10
1939	0	4.535270	8
1940	1	4.112360	7
1941	0	5.382353	7
1942	0	4.828025	4
1943	1	4.346457	4
1944	0	5.068657	9
1945	0	4.534014	6
1946	1	4.412322	9
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1948	0	4.807062	9
1949	0	4.657343	6
1950	1	4.244373	6
1951	0	4.501269	5
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1955	0	4.508349	8
1956	1	4.484375	8
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1963	0	4.936759	10
1964	0	4.855502	10
1965	0	4.902439	7
1966	1	4.629187	6

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1969	0	4.587302	9
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1971	0	4.655629	7
1972	0	4.192677	7
1973	0	4.636729	7
1974	0	4.647603	9
1975	0	4.291228	8
1976	1	4.824260	9
1977	0	5.414141	10
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1981	0	4.427848	8
1982	0	4.584009	9
1983	0	4.484706	5
1984	0	4.532548	4
1985	0	4.599707	6
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1988	0	5.251012	9
1989	0	4.748622	7
1990	0	4.535897	10
1991	1	4.740741	10
1992	1	4.549575	7
1993	0	4.572901	7
1994	0	4.246862	10
1995	0	4.662162	10
1996	0	4.500000	5
1997	2	4.607362	8
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2000	0	4.457364	6
2001	10	4.612378	9
2002	0	4.477966	6
2003	0	4.958333	9
2004	1	4.786621	9
2005	0	4.670157	7
2006	0	4.620690	5
2007	0	4.705706	4
2008	0	4.566372	9
2009	0	4.200758	8
2010	0	4.663333	9
2011	1	4.427553	7
2012	0	4.656550	6
2013	0	4.466049	6
2014	0	4.421277	7
2015	1	0.000000	8
2016	34	4.296636	7
2017	0	4.506608	6
2018	0	4.450980	6
2019	0	5.275109	7
2020	0	4.997178	6

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2080	0	4.661626	6
2081	0	4.904639	4
2082	0	4.822086	5
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2084	4	5.024390	8
2085	1	4.381434	8
2086	0	4.884615	10
2087	2	4.420814	6
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2101	73	4.939672	6
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2103	12	4.372881	6
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2106	1	4.889680	4
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2110	0	4.143902	9
2111	0	4.553672	8
2112	0	4.936585	4
2113	0	4.650538	7
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2116	0	4.796537	7
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2118	0	4.702614	6
2119	0	4.763889	9
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2124	21	4.624606	7
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2143	0	4.948235	5
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2145	1	5.006135	7
2146	1	4.306548	6
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2148	0	4.569132	8
2149	0	4.657025	5
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2151	0	4.343820	5
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2153	0	4.666667	4
2154	0	4.758865	4
2155	0	4.746269	7
2156	17	4.406040	6
2157	0	4.840909	6
2158	0	5.032727	9
2159	0	4.236842	6
2160	1	4.482353	5
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2163	0	4.931596	8
2164	0	4.777351	8
2165	0	4.759717	6
2166	0	4.637405	5
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2168	0	4.540268	8
2169	0	4.574803	7
2170	0	4.521739	9
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6	0	8500
7	0	545
8	0	545
9	0	0
10	1	0
11	1	0
12	0	0
13	0	10700
14	0	770
15	0	4800
16	1	0
17	0	555
18	0	0
19	0	5000
20	0	545
21	0	545
22	1	704
23	0	545
24	1	16100
25	0	2800
26	0	924
27	0	2500
28	0	545
29	0	0
30	0	0
31	0	6100
32	0	0
33	0	0
34	0	0
35	0	0
36	0	6200
37	0	545
38	0	1300
39	1	101
40	0	6300
41	0	545
42	0	0
43	0	545
44	0	545
45	0	545
46	0	0
47	0	545
48	0	638
49	0	545

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52	0	545
53	0	545
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55	0	545
56	0	1900
57	0	0
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60	0	1200
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67	0	0
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69	0	1100
70	0	821
71	1	0
72	0	1400
73	1	0
74	0	3900
75	0	545
76	0	0
77	0	1700
78	0	992
79	0	757
80	1	3100
81	1	0
82	0	727
83	0	951
84	0	1300
85	0	0
86	0	545
87	0	2700
88	0	0
89	0	20900
90	0	545
91	0	545
92	0	527
93	0	0
94	0	767
95	0	0
96	0	475
97	0	6600
98	0	545
99	0	0
100	0	1100
101	0	2500
102	0	545
103	0	545

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174	0	990
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190	0	1100
191	0	6400
192	0	677
193	0	545
194	0	302
195	0	1400
196	0	1400
197	0	13500
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203	0	958
204	1	0
205	1	17700
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207	0	1200
208	0	513
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700	0	1100
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705	0	33100
706	0	866
707	0	671
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759	0	870
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763	0	1700
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770	0	610
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775	0	987
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778	0	0
779	0	1200
780	0	1000
781	1	2500
782	1	0
783	0	1700
784	0	2700
785	0	2500
786	0	872
787	1	2200
788	1	0
789	1	800
790	1	1100
791	0	1800
792	0	1900
793	0	1200
794	0	4900
795	0	1300
796	0	677
797	0	5200
798	0	1300
799	0	1300
800	0	0
801	0	11900
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804	0	671
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847	0	0
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851	0	604
852	0	1900
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854	0	1600
855	0	2300
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863	0	3100
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866	0	3700
867	0	3700
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869	0	0
870	1	1600
871	0	1100
872	0	1800
873	0	1900
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875	1	1700
876	0	1800
877	1	0
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880	1	0
881	0	1200
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883	0	0
884	1	1100
885	0	606
886	0	2400
887	0	0
888	0	5200
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891	0	0
892	0	1600
893	0	712
894	0	0
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896	0	577
897	0	1300
898	0	924
899	0	1000
900	0	0
901	0	297
902	0	790
903	1	1200
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920	0	3400
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925	1	756
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978	0	14600
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980	0	1800
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990	1	514
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992	0	1100
993	0	0
994	0	0
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996	0	603
997	0	1000
998	0	1700
999	0	0
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1004	0	1100
1005	0	1000
1006	0	2200
1007	0	9500
1008	0	0
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1010	0	0
1011	0	371
1012	0	371
1013	0	0
1014	0	0
1015	0	14600
1016	0	0
1017	0	3000
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1019	0	0
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1023	1	317
1024	1	5600
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1045	0	718
1046	0	1200
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1049	0	548
1050	0	7400
1051	0	0
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1066	0	9700
1067	0	1000
1068	0	2
1069	0	2100
1070	0	1100
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1073	1	0
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1075	0	1300

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1080	0	1600
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1089	0	1600
1090	0	537
1091	0	0
1092	0	4400
1093	0	0
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1095	1	2100
1096	1	10200
1097	0	1700
1098	0	790
1099	0	603
1100	1	0
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1102	0	1600
1103	0	1800
1104	0	537
1105	0	17300
1106	0	0
1107	1	2100
1108	0	2700
1109	0	2400
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1111	0	1200
1112	0	2200
1113	0	2400
1114	0	0
1115	0	1700
1116	1	0
1117	0	775
1118	0	0
1119	0	763
1120	0	3400
1121	0	191
1122	0	0
1123	0	3400
1124	0	0
1125	0	7800
1126	0	22800
1127	0	0
1128	0	475
1129	0	1300

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1133	0	1300
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1197	1	482
1198	0	1400
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1207	0	838
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1234	0	1100
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1249	0	10700
1250	0	860
1251	0	969
1252	0	2700
1253	0	6900
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1257	1	1900
1258	0	2000
1259	0	4300
1260	0	742
1261	0	0
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1263	0	533
1264	0	0
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1266	0	1100
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1272	0	2500
1273	0	4100
1274	1	529
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1291	1	0

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1297	0	2800
1298	0	6100
1299	1	532
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1303	0	0
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1336	0	3400
1337	0	0
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1339	0	0
1340	0	1100
1341	0	884
1342	0	1800
1343	0	3100
1344	0	839
1345	0	592

1346	0	1200
1347	0	1800
1348	0	0
1349	0	786
1350	0	0
1351	0	2100
1352	1	3300
1353	1	0
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1355	0	1600
1356	0	0
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1365	0	2700
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1371	1	0
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1409	0	518
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1414	0	464
1415	0	0
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1425	0	897
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1428	0	95900
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1430	0	0
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1433	0	546
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1438	1	1100
1439	1	1100
1440	0	742
1441	0	1200
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1460	0	0
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1465	0	0
1466	0	0
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1468	0	0
1469	0	2100
1470	0	0
1471	0	2300
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1473	0	2600
1474	0	0
1475	0	459
1476	0	2000
1477	0	545
1478	0	0
1479	0	0
1480	0	691
1481	0	1100
1482	1	386
1483	0	687
1484	0	1200
1485	0	380
1486	0	0
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1488	0	0
1489	1	0
1490	1	9500
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1492	0	0
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1494	0	0
1495	0	518
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1516	0	636
1517	0	2700
1518	0	2100
1519	0	1600
1520	1	1500
1521	0	19700
1522	0	4800
1523	0	1000
1524	1	386
1525	0	69100
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1527	0	0
1528	0	0
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1530	0	593
1531	0	0
1532	0	1100
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1534	0	0
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1539	0	0
1540	0	1500
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1549	0	1400
1550	0	2400
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1561	0	1800

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1564	0	2000
1565	0	759
1566	0	1000
1567	0	566
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1569	0	0
1570	0	1300
1571	0	2200
1572	0	1600
1573	0	1600
1574	0	655
1575	0	0
1576	0	1400
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1586	0	1500
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1612	0	2000
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1619	0	0
1620	0	0
1621	0	651
1622	0	2500
1623	0	1500
1624	0	0
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1627	0	1000
1628	0	0
1629	0	4500
1630	0	559
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1632	0	1200
1633	0	0
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1641	1	386
1642	0	1300
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1650	0	7200
1651	0	2000
1652	0	1600
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1658	0	0
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1660	0	1200
1661	0	2600
1662	0	0
1663	0	11900
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1665	0	0
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1668	0	0
1669	0	723

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1671	0	1400
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1673	0	578
1674	1	577
1675	0	2700
1676	0	4300
1677	0	2100
1678	0	1900
1679	0	11900
1680	1	0
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1682	0	0
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1685	0	1300
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1693	0	1300
1694	0	0
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1698	0	965
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1701	0	1700
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1800	0	718
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1905	0	1700
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1907	0	1800
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1911	0	2900
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1920	1	0
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1924	0	0
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1926	0	803
1927	0	967
1928	0	0
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1933	1	0
1934	0	0
1935	0	11000
1936	0	3400
1937	0	1900
1938	0	2100
1939	0	30400

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1943	0	11400
1944	0	978
1945	0	647
1946	0	488
1947	0	1600
1948	0	797
1949	0	0
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1951	1	56
1952	1	0
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1955	0	1400
1956	0	0
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1958	1	0
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1960	1	0
1961	0	2000
1962	0	4000
1963	0	8000
1964	0	9500
1965	0	1100
1966	1	790
1967	1	0
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1970	0	1100
1971	0	0
1972	0	2400
1973	0	827
1974	0	0
1975	0	4500
1976	0	881
1977	0	2000
1978	0	2000
1979	0	0
1980	0	1800
1981	0	1700
1982	0	191
1983	0	898
1984	0	898
1985	0	898
1986	0	0
1987	0	16200
1988	0	0
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1991	0	0
1992	0	3300
1993	0	1800

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1995	0	1800
1996	0	1400
1997	0	0
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1999	0	1200
2000	0	1700
2001	0	2400
2002	0	0
2003	0	6100
2004	0	1300
2005	0	0
2006	0	2900
2007	0	0
2008	0	1700
2009	0	3200
2010	0	0
2011	0	622
2012	0	1200
2013	0	469
2014	0	612
2015	0	0
2016	0	1900
2017	0	990
2018	1	0
2019	1	386
2020	0	0
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2023	0	1300
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2026	0	0
2027	0	0
2028	0	0
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2030	0	635
2031	0	3300
2032	0	1800
2033	0	1800
2034	0	640
2035	0	0
2036	0	2900
2037	0	0
2038	0	985
2039	0	13600
2040	0	852
2041	0	537
2042	0	2900
2043	0	537
2044	0	571
2045	1	4900
2046	0	4600
2047	0	0

2048	0	1400
2049	0	1700
2050	1	0
2051	0	0
2052	0	0
2053	1	712
2054	1	1200
2055	1	6100
2056	0	5800
2057	0	5800
2058	0	1500
2059	0	908
2060	0	7800
2061	1	1200
2062	0	3200
2063	1	6100
2064	0	0
2065	1	0
2066	0	760
2067	0	982
2068	0	1300
2069	0	4100
2070	0	1100
2071	1	2400
2072	0	940
2073	0	1300
2074	1	386
2075	0	2500
2076	0	5400
2077	1	402
2078	0	2200
2079	0	10500
2080	1	739
2081	0	858
2082	0	0
2083	0	3200
2084	0	1800
2085	0	1500
2086	0	4200
2087	0	1600
2088	0	105
2089	0	0
2090	0	1700
2091	1	0
2092	0	0
2093	0	4400
2094	0	1200
2095	0	0
2096	1	952
2097	0	1200
2098	0	1400
2099	1	1100
2100	0	2600
2101	0	1700

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2103	0	1100
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2105	0	0
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2108	0	3500
2109	0	741
2110	0	1600
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2114	0	632
2115	0	0
2116	1	2700
2117	1	1700
2118	1	0
2119	1	0
2120	1	6000
2121	0	4200
2122	0	1100
2123	0	0
2124	0	1800
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2127	0	0
2128	0	39200
2129	0	1500
2130	0	1100
2131	0	1000
2132	0	0
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2134	0	990
2135	0	0
2136	0	1100
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2143	0	11900
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2145	0	0
2146	0	1000
2147	0	11000
2148	0	1400
2149	0	1900
2150	0	66900
2151	0	1300
2152	0	788
2153	0	0
2154	0	1800
2155	0	18400

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2158	1	0
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2160	0	9100
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2163	0	10300
2164	0	1700
2165	0	0
2166	0	0
2167	0	2600
2168	0	0
2169	0	0
2170	0	869
2171	0	2000
2172	0	1300
2173	0	1100
2174	0	816
2175	0	0
2176	0	2200
2177	0	721
2178	0	1100
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2184	0	1600
2185	0	1500
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2187	0	651
2188	0	1300
2189	0	1400
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2204	0	0
2205	0	0
2206	0	9200
2207	0	0
2208	0	0
2209	0	1500

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2212	0	1200
2213	0	0
2214	0	1400
2215	0	744
2216	0	1600
2217	0	2500
2218	0	1300
2219	0	791
2220	1	0
2221	0	8100
2222	0	1200
2223	0	0
2224	0	2100
2225	0	780
2226	0	1300
2227	0	0
2228	0	2400
2229	0	2000
2230	0	4500
2231	0	1100
2232	0	1300
2233	0	1100
2234	0	0
2235	0	1100
2236	0	1400
2237	0	13900
2238	0	2400
2239	0	2400
2240	0	0
2241	0	480
2242	0	0
2243	1	3800
2244	0	39400
2245	0	3000
2246	0	0
2247	0	4200
2248	0	0
2249	0	773
2250	0	0
2251	0	0
2252	0	0
2253	0	4400
2254	0	4400
2255	0	0
2256	1	0
2257	0	0
2258	0	987
2259	0	0
2260	0	4400
2261	0	639
2262	0	0
2263	0	712

2264	1	0
2265	0	0
2266	0	0
2267	0	4400
2268	0	0
2269	0	1500
2270	0	2900
2271	0	537
2272	0	0
2273	0	2000
2274	0	0
2275	0	0
2276	0	1500
2277	0	2100
2278	0	635
2279	0	1400
2280	1	717
2281	1	596
2282	0	1100
2283	0	937
2284	1	0
2285	0	1600
2286	0	3800
2287	0	706
2288	0	1000
2289	0	712
2290	0	10300
2291	0	7400
2292	0	15700
2293	0	723
2294	1	1000
2295	0	2200
2296	0	1000
2297	0	0
2298	1	596
2299	0	0
2300	0	0
2301	0	1400
2302	0	1300
2303	0	2800
2304	1	0
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2306	0	2900
2307	0	4500
2308	0	0
2309	0	0
2310	1	967
2311	0	13600
2312	0	0
2313	1	1200
2314	0	3200
2315	0	1700
2316	0	1800
2317	0	2000

2318	1	532
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2320	0	0
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2322	0	3100
2323	0	0
2324	0	2200
2325	0	0
2326	1	0
2327	0	2000
2328	0	0
2329	0	1300
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2331	0	0
2332	0	0
2333	1	1400
2334	0	1400
2335	0	0
2336	0	1400
2337	0	5600
2338	0	0
2339	0	1200
2340	0	599
2341	0	1100
2342	0	0
2343	0	3400
2344	0	3200
2345	0	0
2346	0	1300
2347	0	1700
2348	0	0
2349	0	0
2350	0	19800
2351	1	0
2352	1	11700
2353	0	11400
2354	0	7100
2355	0	1400
2356	0	1500
2357	0	0
2358	0	3600
2359	0	0
2360	0	1400
2361	1	0
2362	1	1600
2363	1	827
2364	1	11100
2365	0	0
2366	0	0
2367	0	2600
2368	0	8600
2369	0	2000
2370	1	0
2371	0	0

2372	0	0
2373	0	2800
2374	0	1200
2375	1	827
2376	1	1300
2377	0	2200
2378	0	0
2379	1	11100
2380	0	2200
2381	0	923
2382	1	0
2383	0	0
2384	0	4100
2385	0	4000
2386	0	398
2387	0	0
2388	0	0
2389	0	3200
2390	0	742
2391	0	2300
2392	0	0
2393	1	827
2394	1	2300
2395	0	638
2396	0	0
2397	0	0
2398	0	923
2399	0	2600
2400	0	0
2401	0	742
2402	0	0
2403	0	1900
2404	0	849
2405	0	0
2406	0	0
2407	0	1100
2408	0	635
2409	0	578
2410	0	25
2411	1	549
2412	0	0
2413	0	527
2414	0	461
2415	0	1400
2416	0	859
2417	0	739
2418	0	191
2419	0	0
2420	0	761
2421	0	2500
2422	0	2000
2423	0	1900
2424	0	1300
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2426	0	4700
2427	0	915
2428	0	1700
2429	0	382
2430	0	456
2431	0	2000
2432	0	23700
2433	0	0
2434	0	5700
2435	0	0
2436	0	9400
2437	0	4100
2438	0	9400
2439	0	854
2440	0	1600
2441	0	0
2442	0	1400
2443	0	7500
2444	0	1400
2445	1	2100
2446	0	0
2447	0	639
2448	0	2800
2449	0	790
2450	0	6500
2451	0	0
2452	0	4000
2453	0	0
2454	0	850
2455	0	0
2456	0	464
2457	0	3600
2458	0	0
2459	0	0
2460	0	564
2461	1	386
2462	0	4300
2463	0	1700
2464	0	854
2465	0	0
2466	0	0
2467	0	1900
2468	0	1400
2469	0	816
2470	0	3000
2471	0	840
2472	0	0
2473	0	0
2474	0	716
2475	0	704
2476	0	583
2477	0	494
2478	0	14700
2479	0	4400

2480	0	0
2481	0	2100
2482	0	1100
2483	0	638
2484	0	638
2485	0	1100
2486	0	7500
2487	0	723
2488	0	0
2489	0	5700
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2493	0	1200
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2499	0	1100
2500	0	0
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2505	0	2200
2506	1	3400
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2508	0	638
2509	0	7500
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2512	0	2100
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2514	0	0
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2517	0	2400
2518	1	1500
2519	0	0
2520	0	1400
2521	0	0
2522	1	16700
2523	0	4100
2524	0	9100
2525	0	2800
2526	0	705
2527	0	2700
2528	0	1200
2529	1	0
2530	0	3200
2531	0	475
2532	0	0
2533	0	0

2534	0	1300
2535	0	2600
2536	1	462
2537	1	2100
2538	1	1400
2539	0	979
2540	0	3700
2541	1	0
2542	0	2300
2543	0	593
2544	0	2300
2545	0	0
2546	0	0
2547	0	798
2548	0	0
2549	0	790
2550	0	8000
2551	0	867
2552	0	0
2553	0	2100
2554	0	0
2555	0	896
2556	0	1300
2557	0	1600
2558	0	0
2559	0	0
2560	0	0
2561	0	0
2562	1	1100
2563	0	0
2564	1	0

	self_reference_max_shares	self_reference_avg_sharess
1	496	496.0000
2	0	0.0000
3	918	918.0000
4	0	0.0000
5	16000	3151.1579
6	8500	8500.0000
7	16000	3151.1579
8	16000	3151.1579
9	0	0.0000
10	0	0.0000
11	0	0.0000
12	0	0.0000
13	16200	13450.0000
14	22800	11785.0000
15	4800	4800.0000
16	0	0.0000
17	14000	3904.6250
18	0	0.0000
19	5000	5000.0000
20	16000	2829.5417
21	16000	3151.1579
22	704	704.0000

23	16000	3151.1579
24	16100	16100.0000
25	2800	2800.0000
26	924	924.0000
27	2500	2500.0000
28	16000	3035.6500
29	0	0.0000
30	0	0.0000
31	6100	6100.0000
32	0	0.0000
33	0	0.0000
34	0	0.0000
35	0	0.0000
36	6200	6200.0000
37	18200	3713.1364
38	2500	1775.0000
39	2600	972.4000
40	6300	6300.0000
41	16000	3168.6000
42	0	0.0000
43	16000	2758.7083
44	16000	3151.1579
45	16000	3151.1579
46	0	0.0000
47	16000	3151.1579
48	29200	8260.7500
49	16000	3233.6000
50	16000	3083.6000
51	0	0.0000
52	16000	3151.1579
53	16000	3078.6000
54	0	0.0000
55	16000	3428.6000
56	1900	1900.0000
57	0	0.0000
58	1300	1300.0000
59	1600	997.3333
60	8700	3733.3333
61	16000	3151.1579
62	0	0.0000
63	16000	3151.1579
64	0	0.0000
65	16000	3151.1579
66	545	545.0000
67	0	0.0000
68	3300	1559.5000
69	1500	1300.0000
70	821	821.0000
71	0	0.0000
72	3500	2366.6667
73	0	0.0000
74	3900	3900.0000
75	16000	3151.1579
76	0	0.0000

77	2500	2100.0000
78	4700	2858.4000
79	5400	2795.7000
80	3100	3100.0000
81	0	0.0000
82	727	727.0000
83	951	951.0000
84	1300	1300.0000
85	0	0.0000
86	16000	3151.1579
87	2700	2700.0000
88	0	0.0000
89	20900	20900.0000
90	16000	3151.1579
91	16000	3151.1579
92	527	527.0000
93	0	0.0000
94	6800	2989.0000
95	0	0.0000
96	4400	2691.6667
97	6600	6600.0000
98	16000	3151.1579
99	0	0.0000
100	1100	1100.0000
101	2500	2500.0000
102	16000	3151.1579
103	16000	3151.1579
104	16000	2744.3750
105	0	0.0000
106	0	0.0000
107	0	0.0000
108	16700	11700.0000
109	0	0.0000
110	16000	3095.9524
111	3100	1834.5000
112	2000	2000.0000
113	0	0.0000
114	5800	5000.0000
115	16000	3151.1579
116	0	0.0000
117	2000	1199.8000
118	29900	25200.0000
119	4900	3500.0000
120	0	0.0000
121	10900	4657.6667
122	0	0.0000
123	0	0.0000
124	1300	1300.0000
125	3700	2138.0000
126	1800	1800.0000
127	3800	2365.5000
128	1200	1200.0000
129	0	0.0000
130	5400	5400.0000

131	0	0.0000
132	16000	3368.6000
133	16000	3151.1579
134	0	0.0000
135	16000	3223.6000
136	8300	5100.0000
137	2800	2800.0000
138	1600	1450.0000
139	0	0.0000
140	1600	1600.0000
141	0	0.0000
142	3500	2300.0000
143	10500	10500.0000
144	0	0.0000
145	953	953.0000
146	0	0.0000
147	0	0.0000
148	40000	14600.0000
149	3900	2533.3333
150	2800	2800.0000
151	6000	2760.0000
152	0	0.0000
153	2500	2500.0000
154	0	0.0000
155	1600	1600.0000
156	5000	5000.0000
157	3200	2100.0000
158	16000	3113.6000
159	0	0.0000
160	0	0.0000
161	4700	4700.0000
162	585	585.0000
163	16000	3035.3000
164	16000	3151.1579
165	0	0.0000
166	0	0.0000
167	2700	1601.0000
168	16000	3151.1579
169	0	0.0000
170	3800	3800.0000
171	19300	19300.0000
172	16000	3151.1579
173	1200	1200.0000
174	1100	1045.0000
175	4600	3061.3333
176	5400	1740.5000
177	0	0.0000
178	16000	3613.5455
179	16700	8800.0000
180	1400	853.6667
181	2000	1268.4000
182	3000	1970.0000
183	0	0.0000
184	447	447.0000

185	20700	12500.0000
186	0	0.0000
187	0	0.0000
188	0	0.0000
189	40	40.0000
190	1800	1450.0000
191	22800	14600.0000
192	1500	1269.2500
193	16000	3151.1579
194	16000	2593.0400
195	6300	3233.3333
196	1400	1400.0000
197	13500	13500.0000
198	0	0.0000
199	822	822.0000
200	67700	67700.0000
201	18000	5772.0000
202	0	0.0000
203	2000	1339.5000
204	0	0.0000
205	17700	17700.0000
206	902	902.0000
207	22800	12000.0000
208	16000	3632.6190
209	0	0.0000
210	3100	3100.0000
211	704	704.0000
212	16200	9000.0000
213	4900	2539.5000
214	7600	3029.5455
215	0	0.0000
216	0	0.0000
217	1800	1800.0000
218	0	0.0000
219	2000	1500.0000
220	1100	1100.0000
221	0	0.0000
222	1800	1800.0000
223	3900	2716.6667
224	3300	2333.3333
225	16000	3793.6000
226	0	0.0000
227	16000	3007.3000
228	0	0.0000
229	0	0.0000
230	3700	3500.0000
231	5200	5200.0000
232	2200	1700.0000
233	4700	2242.2500
234	2600	2300.0000
235	7300	7300.0000
236	2000	2000.0000
237	2600	2600.0000
238	19700	9625.0000

239	597	597.0000
240	3500	3500.0000
241	1500	1300.0000
242	0	0.0000
243	0	0.0000
244	928	928.0000
245	0	0.0000
246	1700	1700.0000
247	16000	3178.6000
248	16000	3151.1579
249	0	0.0000
250	0	0.0000
251	0	0.0000
252	7300	4650.0000
253	4500	3500.0000
254	22800	12150.0000
255	586	586.0000
256	3800	3800.0000
257	0	0.0000
258	1200	1200.0000
259	2900	2000.0000
260	0	0.0000
261	5500	2357.1250
262	9300	9300.0000
263	0	0.0000
264	2500	2500.0000
265	22800	11950.0000
266	0	0.0000
267	5300	3566.6667
268	4500	3450.0000
269	16000	2522.0741
270	1700	1700.0000
271	2700	2700.0000
272	7500	7500.0000
273	3600	3600.0000
274	15300	10400.0000
275	2000	1398.5000
276	2400	1512.3333
277	3300	2800.0000
278	2900	2900.0000
279	0	0.0000
280	396	396.0000
281	1600	1600.0000
282	11700	4922.0000
283	5100	5100.0000
284	4300	4300.0000
285	2500	2500.0000
286	1500	1500.0000
287	0	0.0000
288	0	0.0000
289	0	0.0000
290	3600	2233.3333
291	16000	2764.1739
292	16000	3053.6000

293	4100	3833.3333
294	2000	2000.0000
295	0	0.0000
296	0	0.0000
297	38	38.0000
298	16000	3151.1579
299	1400	859.6667
300	16000	3053.6000
301	2500	2500.0000
302	8700	4450.0000
303	0	0.0000
304	1500	1500.0000
305	9300	7300.0000
306	788	757.5000
307	18200	2822.7692
308	0	0.0000
309	1300	1300.0000
310	0	0.0000
311	5800	4350.0000
312	0	0.0000
313	1800	1700.0000
314	3700	3700.0000
315	1000	1000.0000
316	0	0.0000
317	28400	4718.0233
318	1700	1700.0000
319	4600	1541.3333
320	0	0.0000
321	0	0.0000
322	16000	2950.4762
323	0	0.0000
324	16000	3151.1579
325	19000	4072.7273
326	16000	3151.1579
327	4800	4800.0000
328	1000	1000.0000
329	0	0.0000
330	28300	5335.6000
331	16000	3151.1579
332	0	0.0000
333	1500	1366.6667
334	4600	4600.0000
335	0	0.0000
336	2700	2700.0000
337	16000	3022.4762
338	4800	4800.0000
339	1500	1333.3333
340	2000	1575.0000
341	6700	6700.0000
342	2100	2100.0000
343	5800	4350.0000
344	2200	2200.0000
345	1500	1500.0000
346	37400	20050.0000

347	0	0.0000
348	7900	7900.0000
349	39200	39200.0000
350	5500	5500.0000
351	42500	5079.2105
352	0	0.0000
353	1200	1200.0000
354	0	0.0000
355	7300	7300.0000
356	1900	1900.0000
357	7900	7900.0000
358	7900	7900.0000
359	0	0.0000
360	5300	3350.0000
361	2500	1654.5000
362	1900	1900.0000
363	10500	5900.0000
364	0	0.0000
365	0	0.0000
366	18000	5180.0000
367	8600	8600.0000
368	0	0.0000
369	1100	792.5000
370	1600	1600.0000
371	610	610.0000
372	0	0.0000
373	0	0.0000
374	1700	1700.0000
375	2400	2000.0000
376	0	0.0000
377	0	0.0000
378	3600	2400.0000
379	0	0.0000
380	1300	1300.0000
381	0	0.0000
382	0	0.0000
383	0	0.0000
384	1700	1700.0000
385	9100	9100.0000
386	1100	1050.0000
387	1900	1466.6667
388	0	0.0000
389	3400	1777.0000
390	2000	1285.0000
391	1200	1200.0000
392	1400	1300.0000
393	1200	1200.0000
394	2100	1700.0000
395	16000	3008.1905
396	5200	4350.0000
397	4600	2375.0000
398	4600	3666.6667
399	0	0.0000
400	18000	9600.0000

401	4400	4400.0000
402	2800	1289.8000
403	2200	1491.0000
404	0	0.0000
405	2400	2400.0000
406	2300	1950.0000
407	0	0.0000
408	1400	1400.0000
409	0	0.0000
410	22800	11950.0000
411	4000	4000.0000
412	1600	1109.2000
413	0	0.0000
414	1400	992.5000
415	1400	941.0000
416	16000	7300.0000
417	14600	8450.0000
418	1100	1100.0000
419	0	0.0000
420	25200	25200.0000
421	0	0.0000
422	3500	2127.5000
423	2500	1449.7500
424	0	0.0000
425	1500	1115.5000
426	0	0.0000
427	18200	5793.3333
428	3400	2300.0000
429	16900	8825.5000
430	0	0.0000
431	0	0.0000
432	1100	1100.0000
433	7300	7300.0000
434	25200	8782.5000
435	7900	2285.8333
436	0	0.0000
437	9000	4400.0000
438	3400	1756.2000
439	5300	3450.0000
440	3200	3200.0000
441	4500	2130.3750
442	0	0.0000
443	0	0.0000
444	699	699.0000
445	0	0.0000
446	810	810.0000
447	0	0.0000
448	2700	2700.0000
449	7900	4650.0000
450	0	0.0000
451	0	0.0000
452	2500	2500.0000
453	0	0.0000
454	0	0.0000

455	4800	3000.0000
456	2400	2400.0000
457	8900	6500.0000
458	8900	6566.6667
459	8900	8900.0000
460	787	787.0000
461	0	0.0000
462	1200	1200.0000
463	12500	4336.1111
464	8000	8000.0000
465	1600	1600.0000
466	11300	11300.0000
467	1800	1800.0000
468	1200	1200.0000
469	4800	3400.0000
470	0	0.0000
471	6400	6400.0000
472	0	0.0000
473	8900	8900.0000
474	0	0.0000
475	4700	2900.0000
476	0	0.0000
477	0	0.0000
478	33800	33800.0000
479	3100	3100.0000
480	0	0.0000
481	2000	2000.0000
482	0	0.0000
483	0	0.0000
484	0	0.0000
485	2000	2000.0000
486	5100	4025.0000
487	0	0.0000
488	1700	1238.5000
489	2000	1363.5000
490	0	0.0000
491	3800	2400.0000
492	2100	1298.2500
493	811	811.0000
494	3000	2533.3333
495	16000	2914.8333
496	3800	2300.0000
497	0	0.0000
498	2200	1800.0000
499	5400	5400.0000
500	2400	1750.0000
501	0	0.0000
502	8900	7150.0000
503	1500	1500.0000
504	0	0.0000
505	775	775.0000
506	0	0.0000
507	2000	1566.6667
508	33100	17750.0000

509	0	0.0000
510	2500	2500.0000
511	0	0.0000
512	8000	8000.0000
513	1100	779.0000
514	0	0.0000
515	3300	3300.0000
516	1700	1500.0000
517	2400	2400.0000
518	5200	2321.1667
519	0	0.0000
520	6400	5000.0000
521	0	0.0000
522	0	0.0000
523	3700	2166.0000
524	0	0.0000
525	1100	1100.0000
526	4900	4900.0000
527	3900	1349.1429
528	22800	16400.0000
529	3000	2300.0000
530	8600	5250.0000
531	0	0.0000
532	5400	5400.0000
533	8900	5533.3333
534	3400	2396.7500
535	5600	2933.3333
536	4900	4550.0000
537	2100	2100.0000
538	1900	1900.0000
539	2800	2800.0000
540	52900	30200.0000
541	1600	1600.0000
542	0	0.0000
543	3000	3000.0000
544	10100	10100.0000
545	0	0.0000
546	16500	16500.0000
547	0	0.0000
548	0	0.0000
549	0	0.0000
550	504	504.0000
551	2000	2000.0000
552	3000	3000.0000
553	0	0.0000
554	27200	27200.0000
555	2500	2500.0000
556	0	0.0000
557	676	676.0000
558	5300	5300.0000
559	1900	1900.0000
560	1400	1400.0000
561	2900	2900.0000
562	6600	6600.0000

563	2500	2500.0000
564	0	0.0000
565	1200	1200.0000
566	5500	4700.0000
567	1300	1300.0000
568	1000	1000.0000
569	0	0.0000
570	1400	1400.0000
571	0	0.0000
572	25200	25200.0000
573	1600	1600.0000
574	25200	25200.0000
575	3200	3200.0000
576	10500	10500.0000
577	3900	3700.0000
578	535	465.0000
579	0	0.0000
580	25200	11666.6667
581	0	0.0000
582	0	0.0000
583	8000	3750.0000
584	17300	17300.0000
585	7900	7350.0000
586	0	0.0000
587	866	866.0000
588	0	0.0000
589	3600	2166.6667
590	0	0.0000
591	0	0.0000
592	0	0.0000
593	0	0.0000
594	0	0.0000
595	0	0.0000
596	3800	3800.0000
597	1900	1900.0000
598	0	0.0000
599	0	0.0000
600	12200	6850.0000
601	8900	5500.0000
602	3400	2650.0000
603	3600	3600.0000
604	0	0.0000
605	2400	2400.0000
606	0	0.0000
607	2800	1381.1250
608	0	0.0000
609	0	0.0000
610	3900	2775.0000
611	14600	14600.0000
612	2900	1922.0000
613	5400	5400.0000
614	756	756.0000
615	0	0.0000
616	4200	3800.0000

617	8200	4275.0000
618	0	0.0000
619	927	901.0000
620	3200	3200.0000
621	6100	3550.0000
622	998	998.0000
623	8100	3633.3333
624	1900	1900.0000
625	919	919.0000
626	51900	51900.0000
627	2500	2500.0000
628	1400	1300.0000
629	5400	1987.0000
630	0	0.0000
631	0	0.0000
632	0	0.0000
633	4400	2221.2500
634	0	0.0000
635	752	752.0000
636	8900	8650.0000
637	25200	5666.7778
638	4000	2600.0000
639	2900	2900.0000
640	0	0.0000
641	0	0.0000
642	3400	2700.0000
643	1100	1100.0000
644	8900	5800.0000
645	3900	3900.0000
646	2300	2300.0000
647	2100	2100.0000
648	7200	4400.0000
649	0	0.0000
650	0	0.0000
651	6800	1882.6667
652	0	0.0000
653	1100	1100.0000
654	2400	1750.0000
655	991	991.0000
656	2100	1347.3333
657	0	0.0000
658	3400	2400.0000
659	0	0.0000
660	8100	5500.0000
661	8000	5300.0000
662	2100	1800.0000
663	6400	6400.0000
664	1500	1500.0000
665	0	0.0000
666	3400	3400.0000
667	1500	1500.0000
668	3500	2500.0000
669	0	0.0000
670	2200	1438.0000

671	5100	4566.6667
672	11400	11400.0000
673	3700	3700.0000
674	794	794.0000
675	0	0.0000
676	0	0.0000
677	22300	6220.0000
678	1700	1700.0000
679	0	0.0000
680	757	757.0000
681	2500	2500.0000
682	1500	1500.0000
683	22800	8632.6667
684	1400	988.3333
685	4200	2466.6667
686	0	0.0000
687	0	0.0000
688	16300	9200.0000
689	1400	920.0000
690	6800	4050.0000
691	7300	3142.6000
692	0	0.0000
693	2200	2200.0000
694	1800	1800.0000
695	2900	2500.0000
696	2400	2400.0000
697	0	0.0000
698	14000	3199.5000
699	1800	1800.0000
700	3500	2300.0000
701	0	0.0000
702	1000	960.0000
703	0	0.0000
704	4000	2933.3333
705	33100	33100.0000
706	1100	983.0000
707	3100	2057.0000
708	2400	2400.0000
709	0	0.0000
710	0	0.0000
711	33100	4204.4211
712	8600	5600.0000
713	1200	1200.0000
714	2100	1549.0000
715	0	0.0000
716	2500	1501.0000
717	0	0.0000
718	1100	1100.0000
719	2100	2100.0000
720	0	0.0000
721	3800	3800.0000
722	0	0.0000
723	4800	4800.0000
724	0	0.0000

725	838	838.0000
726	10000	10000.0000
727	8900	8900.0000
728	7000	7000.0000
729	0	0.0000
730	1400	1400.0000
731	5700	5700.0000
732	3100	3100.0000
733	2400	2250.0000
734	1600	1550.0000
735	9700	9700.0000
736	2500	2500.0000
737	0	0.0000
738	0	0.0000
739	0	0.0000
740	1600	1550.0000
741	0	0.0000
742	15100	15100.0000
743	2800	2800.0000
744	0	0.0000
745	1300	972.5000
746	0	0.0000
747	0	0.0000
748	0	0.0000
749	5400	5400.0000
750	1700	1500.0000
751	0	0.0000
752	0	0.0000
753	2400	1800.0000
754	1800	1550.0000
755	15900	4645.0000
756	0	0.0000
757	7400	3353.6667
758	728	628.5000
759	5000	2935.0000
760	11400	5466.6667
761	8000	3300.0000
762	17300	5625.0000
763	1700	1700.0000
764	0	0.0000
765	2800	2800.0000
766	0	0.0000
767	3700	2110.3333
768	535	477.0000
769	6500	3666.6667
770	681	637.3333
771	0	0.0000
772	3200	2319.8000
773	1700	1700.0000
774	0	0.0000
775	1700	1343.5000
776	0	0.0000
777	0	0.0000
778	0	0.0000

779	3000	2400.0000
780	3200	2080.0000
781	2500	2500.0000
782	0	0.0000
783	1700	1700.0000
784	2700	2700.0000
785	5000	4100.0000
786	1500	1193.0000
787	2200	2200.0000
788	0	0.0000
789	872	836.0000
790	1100	1100.0000
791	1800	1800.0000
792	1900	1900.0000
793	7300	3500.0000
794	4900	4900.0000
795	1300	1300.0000
796	1000	838.5000
797	5200	5200.0000
798	5500	2700.0000
799	7800	3090.0000
800	0	0.0000
801	11900	11900.0000
802	0	0.0000
803	0	0.0000
804	671	671.0000
805	25200	11547.3684
806	0	0.0000
807	2000	2000.0000
808	2500	1900.0000
809	1100	1100.0000
810	2900	2900.0000
811	1100	1100.0000
812	866	866.0000
813	2300	1350.6667
814	2200	1553.6667
815	0	0.0000
816	1100	1100.0000
817	0	0.0000
818	0	0.0000
819	0	0.0000
820	1500	1500.0000
821	0	0.0000
822	962	962.0000
823	2100	2100.0000
824	0	0.0000
825	0	0.0000
826	10400	4867.5000
827	5100	5100.0000
828	6300	4500.0000
829	0	0.0000
830	3500	3200.0000
831	0	0.0000
832	0	0.0000

833	0	0.0000
834	2400	1800.0000
835	1100	1100.0000
836	494	494.0000
837	1900	1269.0000
838	3400	3400.0000
839	0	0.0000
840	0	0.0000
841	626	626.0000
842	22800	14400.0000
843	1800	1750.0000
844	2600	2033.3333
845	1100	1100.0000
846	881	881.0000
847	0	0.0000
848	0	0.0000
849	0	0.0000
850	20300	12050.0000
851	924	803.3333
852	8600	5250.0000
853	1300	815.0000
854	6900	3866.6667
855	7900	6033.3333
856	2000	1900.0000
857	0	0.0000
858	0	0.0000
859	5100	5100.0000
860	800	800.0000
861	952	952.0000
862	0	0.0000
863	4900	3833.3333
864	3100	3100.0000
865	6500	6500.0000
866	4400	4050.0000
867	3700	3700.0000
868	0	0.0000
869	0	0.0000
870	1600	1600.0000
871	17300	4716.6667
872	1800	1800.0000
873	3700	3180.0000
874	436	436.0000
875	1700	1700.0000
876	1800	1800.0000
877	0	0.0000
878	31400	16225.0000
879	473	473.0000
880	0	0.0000
881	1200	1200.0000
882	661	661.0000
883	0	0.0000
884	1100	1100.0000
885	1200	903.0000
886	2400	2400.0000

887	0	0.0000
888	5200	5200.0000
889	2700	1925.0000
890	0	0.0000
891	0	0.0000
892	1600	1600.0000
893	3100	1670.6667
894	0	0.0000
895	7100	2618.8000
896	1100	838.5000
897	2300	1800.0000
898	924	924.0000
899	1100	1050.0000
900	0	0.0000
901	1100	698.5000
902	790	790.0000
903	1200	1200.0000
904	592	562.5000
905	0	0.0000
906	28300	15200.0000
907	0	0.0000
908	1800	1533.3333
909	2100	2100.0000
910	0	0.0000
911	3200	3200.0000
912	5000	5000.0000
913	20800	20800.0000
914	0	0.0000
915	8900	6900.0000
916	3000	3000.0000
917	6700	6700.0000
918	0	0.0000
919	0	0.0000
920	8100	5750.0000
921	1100	1100.0000
922	3100	2300.0000
923	0	0.0000
924	11600	5666.6667
925	756	756.0000
926	1100	1100.0000
927	4700	3000.0000
928	8200	3249.2500
929	0	0.0000
930	3000	1459.2500
931	1300	1300.0000
932	0	0.0000
933	0	0.0000
934	0	0.0000
935	4200	2700.0000
936	0	0.0000
937	11900	11900.0000
938	0	0.0000
939	0	0.0000
940	0	0.0000

941	0	0.0000
942	0	0.0000
943	3700	3700.0000
944	0	0.0000
945	0	0.0000
946	3000	2300.0000
947	0	0.0000
948	1500	1500.0000
949	4100	2650.0000
950	0	0.0000
951	2500	2500.0000
952	1100	1100.0000
953	17500	7000.0000
954	27700	27700.0000
955	0	0.0000
956	0	0.0000
957	919	919.0000
958	6800	6800.0000
959	2300	1920.0000
960	0	0.0000
961	0	0.0000
962	1700	1700.0000
963	2500	2500.0000
964	0	0.0000
965	0	0.0000
966	1900	1900.0000
967	0	0.0000
968	4700	4700.0000
969	0	0.0000
970	0	0.0000
971	1600	1600.0000
972	0	0.0000
973	0	0.0000
974	1700	1700.0000
975	0	0.0000
976	1300	1300.0000
977	1400	1400.0000
978	14600	14600.0000
979	0	0.0000
980	4800	3428.5714
981	10700	10700.0000
982	2600	2600.0000
983	0	0.0000
984	1200	1026.6667
985	0	0.0000
986	6800	4750.0000
987	1700	1700.0000
988	0	0.0000
989	22200	4942.2500
990	514	514.0000
991	929	929.0000
992	3300	2200.0000
993	0	0.0000
994	0	0.0000

995	8100	8100.0000
996	1600	1101.0000
997	2700	1933.3333
998	1700	1700.0000
999	0	0.0000
1000	1800	1800.0000
1001	5100	2558.0000
1002	2200	1584.0000
1003	20900	8833.3333
1004	4700	3020.0000
1005	3000	1500.0000
1006	2200	2200.0000
1007	9500	9500.0000
1008	0	0.0000
1009	0	0.0000
1010	0	0.0000
1011	4200	2123.6667
1012	4200	1985.4286
1013	0	0.0000
1014	0	0.0000
1015	14600	14600.0000
1016	0	0.0000
1017	3000	3000.0000
1018	0	0.0000
1019	0	0.0000
1020	4900	4900.0000
1021	0	0.0000
1022	6100	2625.0000
1023	317	317.0000
1024	5600	5600.0000
1025	0	0.0000
1026	759	759.0000
1027	3200	2800.0000
1028	3200	2080.0000
1029	0	0.0000
1030	0	0.0000
1031	0	0.0000
1032	25200	6437.6250
1033	0	0.0000
1034	0	0.0000
1035	4100	3150.0000
1036	2100	1600.0000
1037	10800	10800.0000
1038	2500	2050.0000
1039	0	0.0000
1040	1900	1550.0000
1041	0	0.0000
1042	6800	4900.0000
1043	2700	2700.0000
1044	3200	3200.0000
1045	2000	1075.0000
1046	1800	1500.0000
1047	1200	1200.0000
1048	51900	51900.0000

1049	790	669.0000
1050	7400	7400.0000
1051	0	0.0000
1052	3300	2850.0000
1053	0	0.0000
1054	7500	7500.0000
1055	560	560.0000
1056	0	0.0000
1057	0	0.0000
1058	0	0.0000
1059	2800	2800.0000
1060	14400	14400.0000
1061	0	0.0000
1062	1400	928.0000
1063	0	0.0000
1064	3800	1933.3333
1065	761	761.0000
1066	9700	9700.0000
1067	2100	1466.6667
1068	16100	4250.6364
1069	46200	14400.0000
1070	2100	1600.0000
1071	0	0.0000
1072	1200	1200.0000
1073	0	0.0000
1074	17100	10400.0000
1075	3900	2225.0000
1076	3800	2900.0000
1077	1700	1700.0000
1078	0	0.0000
1079	2000	1494.3333
1080	1600	1600.0000
1081	0	0.0000
1082	0	0.0000
1083	0	0.0000
1084	0	0.0000
1085	5000	5000.0000
1086	0	0.0000
1087	0	0.0000
1088	1300	1300.0000
1089	1600	1600.0000
1090	1400	911.0000
1091	0	0.0000
1092	4400	4400.0000
1093	0	0.0000
1094	1800	1800.0000
1095	39200	20650.0000
1096	10200	10200.0000
1097	1700	1700.0000
1098	790	790.0000
1099	603	603.0000
1100	0	0.0000
1101	1500	1500.0000
1102	18700	6550.0000

1103	4800	3550.0000
1104	537	537.0000
1105	22800	20050.0000
1106	0	0.0000
1107	2600	2433.3333
1108	2700	2700.0000
1109	2400	2400.0000
1110	4300	2844.0000
1111	1900	1550.0000
1112	2200	2200.0000
1113	2400	2400.0000
1114	0	0.0000
1115	1700	1700.0000
1116	0	0.0000
1117	3000	2335.0000
1118	0	0.0000
1119	39200	4146.2821
1120	3400	3400.0000
1121	9800	1891.6774
1122	0	0.0000
1123	3400	3400.0000
1124	0	0.0000
1125	22800	15300.0000
1126	22800	22800.0000
1127	0	0.0000
1128	2000	1237.5000
1129	2500	1700.0000
1130	23600	23600.0000
1131	0	0.0000
1132	2700	2550.0000
1133	1300	1300.0000
1134	4400	3200.0000
1135	3800	2228.2000
1136	1000	1000.0000
1137	2400	2400.0000
1138	3000	2533.3333
1139	2200	1950.0000
1140	0	0.0000
1141	0	0.0000
1142	2600	1633.3333
1143	1800	1800.0000
1144	7000	5750.0000
1145	0	0.0000
1146	4800	4800.0000
1147	0	0.0000
1148	0	0.0000
1149	5500	1556.1667
1150	8900	8900.0000
1151	0	0.0000
1152	1900	1900.0000
1153	0	0.0000
1154	1400	1400.0000
1155	1600	1600.0000
1156	2200	1591.0000

1157	1700	1550.0000
1158	0	0.0000
1159	14800	14800.0000
1160	2800	2800.0000
1161	4100	2525.0000
1162	9500	8113.8000
1163	0	0.0000
1164	10800	6400.0000
1165	1700	1700.0000
1166	13800	13800.0000
1167	10800	10800.0000
1168	0	0.0000
1169	1700	1550.0000
1170	7100	5066.6667
1171	1300	1250.0000
1172	2100	2100.0000
1173	3100	3100.0000
1174	1900	1850.0000
1175	1400	1400.0000
1176	4900	4900.0000
1177	7700	7700.0000
1178	0	0.0000
1179	0	0.0000
1180	2900	1656.5000
1181	0	0.0000
1182	0	0.0000
1183	0	0.0000
1184	0	0.0000
1185	4900	4900.0000
1186	0	0.0000
1187	0	0.0000
1188	3500	3500.0000
1189	10600	10600.0000
1190	6800	6800.0000
1191	0	0.0000
1192	785	663.6667
1193	0	0.0000
1194	0	0.0000
1195	0	0.0000
1196	4400	4400.0000
1197	2600	1394.0000
1198	1400	1400.0000
1199	1700	1700.0000
1200	3400	2000.0000
1201	0	0.0000
1202	0	0.0000
1203	1600	1600.0000
1204	8700	4150.0000
1205	821	821.0000
1206	2000	2000.0000
1207	838	838.0000
1208	2200	1714.6000
1209	4300	2833.3333
1210	3400	2067.1667

1211	0	0.0000
1212	1100	928.0000
1213	2700	2700.0000
1214	2900	2900.0000
1215	2900	1918.0000
1216	23700	8400.0000
1217	0	0.0000
1218	1600	1219.0000
1219	0	0.0000
1220	4800	1482.6000
1221	2000	1466.6667
1222	2000	1600.0000
1223	0	0.0000
1224	1400	1400.0000
1225	2200	2200.0000
1226	2000	2000.0000
1227	5700	5700.0000
1228	6300	3650.0000
1229	1500	1500.0000
1230	3100	3100.0000
1231	10000	6200.0000
1232	1900	1900.0000
1233	475	475.0000
1234	1100	1100.0000
1235	3600	2900.0000
1236	6700	3651.5000
1237	1100	1100.0000
1238	3800	3800.0000
1239	0	0.0000
1240	0	0.0000
1241	1000	1000.0000
1242	0	0.0000
1243	2800	2800.0000
1244	1100	807.5000
1245	761	761.0000
1246	3700	3700.0000
1247	1600	1600.0000
1248	0	0.0000
1249	10700	10700.0000
1250	6300	3580.0000
1251	969	969.0000
1252	2800	2733.3333
1253	6900	6900.0000
1254	1100	689.0000
1255	1100	954.0000
1256	5500	5500.0000
1257	1900	1900.0000
1258	2800	2500.0000
1259	4300	4300.0000
1260	12200	4330.2500
1261	0	0.0000
1262	5300	5300.0000
1263	3100	1605.4000
1264	0	0.0000

1265	559	559.0000
1266	1100	1100.0000
1267	1400	1130.5000
1268	0	0.0000
1269	0	0.0000
1270	173800	29207.1429
1271	3900	3900.0000
1272	2500	2500.0000
1273	4100	4100.0000
1274	529	529.0000
1275	1000	1000.0000
1276	3200	3200.0000
1277	0	0.0000
1278	1400	1400.0000
1279	10000	4966.6667
1280	4300	4300.0000
1281	1800	1800.0000
1282	1100	1050.0000
1283	0	0.0000
1284	1700	1700.0000
1285	1600	1333.3333
1286	1500	905.3333
1287	6800	4900.0000
1288	9100	7350.0000
1289	0	0.0000
1290	5900	3700.0000
1291	0	0.0000
1292	3000	3000.0000
1293	1500	1500.0000
1294	0	0.0000
1295	0	0.0000
1296	7000	7000.0000
1297	2800	2800.0000
1298	6100	6100.0000
1299	1200	866.0000
1300	0	0.0000
1301	1400	1101.5000
1302	1200	1200.0000
1303	0	0.0000
1304	0	0.0000
1305	3000	3000.0000
1306	3000	3000.0000
1307	1500	1250.0000
1308	0	0.0000
1309	0	0.0000
1310	1100	1100.0000
1311	22700	15750.0000
1312	2800	2800.0000
1313	0	0.0000
1314	10200	3957.2857
1315	0	0.0000
1316	1000	1000.0000
1317	1300	1300.0000
1318	0	0.0000

1319	1900	1900.0000
1320	0	0.0000
1321	1200	1200.0000
1322	0	0.0000
1323	0	0.0000
1324	4300	2633.3333
1325	0	0.0000
1326	0	0.0000
1327	5500	3400.0000
1328	0	0.0000
1329	866	688.0000
1330	804	804.0000
1331	2000	2000.0000
1332	11400	11400.0000
1333	0	0.0000
1334	0	0.0000
1335	3400	1813.0000
1336	3400	3400.0000
1337	0	0.0000
1338	1800	1192.3333
1339	0	0.0000
1340	1100	1100.0000
1341	3400	2142.0000
1342	1800	1800.0000
1343	3100	3100.0000
1344	10300	3756.5000
1345	1700	1080.2000
1346	3400	2300.0000
1347	10300	4214.2857
1348	0	0.0000
1349	1200	952.5000
1350	0	0.0000
1351	2100	2100.0000
1352	3300	3300.0000
1353	0	0.0000
1354	610	610.0000
1355	2200	1800.0000
1356	0	0.0000
1357	0	0.0000
1358	6200	4600.0000
1359	10300	3068.8571
1360	0	0.0000
1361	0	0.0000
1362	2000	1633.3333
1363	0	0.0000
1364	0	0.0000
1365	2700	2700.0000
1366	0	0.0000
1367	4200	4200.0000
1368	0	0.0000
1369	2400	1633.0000
1370	1500	1500.0000
1371	0	0.0000
1372	5300	2200.0000

1373	3400	3400.0000
1374	0	0.0000
1375	1600	1169.5000
1376	2100	1550.0000
1377	5200	3550.0000
1378	1500	1500.0000
1379	0	0.0000
1380	1400	906.0000
1381	796	635.5000
1382	0	0.0000
1383	5800	3125.0000
1384	5800	3167.0000
1385	7200	2557.6923
1386	2000	2000.0000
1387	32600	32600.0000
1388	2100	1750.0000
1389	2200	1536.5000
1390	16700	16700.0000
1391	6800	6800.0000
1392	1200	1200.0000
1393	3600	2300.0000
1394	0	0.0000
1395	3400	3050.0000
1396	4800	3300.0000
1397	1800	1428.0000
1398	0	0.0000
1399	3600	2241.5000
1400	0	0.0000
1401	0	0.0000
1402	0	0.0000
1403	792	792.0000
1404	792	792.0000
1405	0	0.0000
1406	0	0.0000
1407	0	0.0000
1408	2700	1850.0000
1409	9200	4043.6000
1410	9400	5650.0000
1411	0	0.0000
1412	808	808.0000
1413	6000	6000.0000
1414	21900	6140.5000
1415	0	0.0000
1416	0	0.0000
1417	4000	4000.0000
1418	1800	1800.0000
1419	18000	6300.0000
1420	2600	2100.0000
1421	1000	1000.0000
1422	998	872.3333
1423	1400	1400.0000
1424	1300	1300.0000
1425	897	897.0000
1426	1600	1600.0000

1427	2300	2150.0000
1428	95900	95900.0000
1429	173800	40187.5000
1430	0	0.0000
1431	57600	29700.0000
1432	3400	1507.8000
1433	7700	2987.0000
1434	17100	8300.0000
1435	0	0.0000
1436	1500	1500.0000
1437	0	0.0000
1438	1100	1100.0000
1439	7900	2900.0000
1440	1300	1080.6667
1441	1200	1200.0000
1442	10000	5200.0000
1443	0	0.0000
1444	6700	6700.0000
1445	371	371.0000
1446	0	0.0000
1447	0	0.0000
1448	1900	1900.0000
1449	0	0.0000
1450	0	0.0000
1451	3400	2550.0000
1452	0	0.0000
1453	26600	7448.5000
1454	0	0.0000
1455	0	0.0000
1456	1200	1200.0000
1457	2500	2500.0000
1458	2300	2300.0000
1459	732	732.0000
1460	0	0.0000
1461	22800	12400.0000
1462	22800	13600.0000
1463	0	0.0000
1464	0	0.0000
1465	0	0.0000
1466	0	0.0000
1467	2900	2900.0000
1468	0	0.0000
1469	2100	2100.0000
1470	0	0.0000
1471	4300	3300.0000
1472	380	380.0000
1473	2600	2600.0000
1474	0	0.0000
1475	2000	1135.7500
1476	2000	2000.0000
1477	2400	1481.6667
1478	0	0.0000
1479	0	0.0000
1480	9500	5095.5000

1481	1100	1100.0000
1482	386	386.0000
1483	3200	1829.0000
1484	5100	3150.0000
1485	3800	2105.9286
1486	0	0.0000
1487	0	0.0000
1488	0	0.0000
1489	0	0.0000
1490	9500	9500.0000
1491	0	0.0000
1492	0	0.0000
1493	11400	6126.5000
1494	0	0.0000
1495	2100	1629.5000
1496	0	0.0000
1497	0	0.0000
1498	0	0.0000
1499	0	0.0000
1500	2000	2000.0000
1501	0	0.0000
1502	0	0.0000
1503	2000	2000.0000
1504	0	0.0000
1505	0	0.0000
1506	1700	1700.0000
1507	5000	3400.0000
1508	312	270.0000
1509	0	0.0000
1510	0	0.0000
1511	0	0.0000
1512	1300	1200.0000
1513	0	0.0000
1514	3400	3400.0000
1515	22800	12300.0000
1516	4500	2568.0000
1517	2700	2700.0000
1518	2100	2100.0000
1519	2100	1850.0000
1520	1500	1500.0000
1521	19700	19700.0000
1522	4800	4800.0000
1523	1000	1000.0000
1524	594	455.3333
1525	69100	69100.0000
1526	1300	1149.5000
1527	0	0.0000
1528	0	0.0000
1529	615	552.3333
1530	1200	997.6667
1531	0	0.0000
1532	1100	1100.0000
1533	12800	5066.6667
1534	0	0.0000

1535	1900	1171.3333
1536	16700	9650.0000
1537	0	0.0000
1538	594	490.0000
1539	0	0.0000
1540	1500	1500.0000
1541	942	942.0000
1542	3500	3500.0000
1543	0	0.0000
1544	4400	2466.5714
1545	3400	3400.0000
1546	10600	10600.0000
1547	69100	4806.7917
1548	805	805.0000
1549	1400	1400.0000
1550	2400	2400.0000
1551	2100	2100.0000
1552	2400	2400.0000
1553	0	0.0000
1554	20900	12200.0000
1555	0	0.0000
1556	3200	3150.0000
1557	0	0.0000
1558	0	0.0000
1559	6700	2435.2000
1560	1800	934.2500
1561	1800	1800.0000
1562	23400	23400.0000
1563	10300	6150.0000
1564	10300	6150.0000
1565	27200	9653.0000
1566	1000	1000.0000
1567	4400	2261.7143
1568	1300	696.5000
1569	0	0.0000
1570	1700	1433.3333
1571	2200	2200.0000
1572	1600	1600.0000
1573	18000	5280.0000
1574	2000	1288.7500
1575	0	0.0000
1576	1400	1400.0000
1577	0	0.0000
1578	16500	16500.0000
1579	1400	1400.0000
1580	15600	15600.0000
1581	3900	3900.0000
1582	4100	4100.0000
1583	0	0.0000
1584	2100	2100.0000
1585	1200	927.5000
1586	1500	1500.0000
1587	2000	2000.0000
1588	1900	1900.0000

1589	1800	1550.0000
1590	0	0.0000
1591	2500	1626.0000
1592	16500	9100.0000
1593	1100	1100.0000
1594	0	0.0000
1595	739	739.0000
1596	0	0.0000
1597	4500	4500.0000
1598	9800	1841.4000
1599	1100	1100.0000
1600	0	0.0000
1601	0	0.0000
1602	6300	4464.7059
1603	0	0.0000
1604	0	0.0000
1605	2800	2800.0000
1606	4700	4700.0000
1607	0	0.0000
1608	2000	1875.0000
1609	56200	27000.0000
1610	1600	1600.0000
1611	10900	4833.3333
1612	5500	3750.0000
1613	10300	4627.0000
1614	0	0.0000
1615	0	0.0000
1616	10900	7266.6667
1617	5100	2171.5000
1618	3400	2450.0000
1619	0	0.0000
1620	0	0.0000
1621	651	651.0000
1622	2500	2500.0000
1623	4400	3166.6667
1624	0	0.0000
1625	0	0.0000
1626	0	0.0000
1627	9700	4066.6667
1628	0	0.0000
1629	4500	4500.0000
1630	3300	1929.5000
1631	3600	2210.0000
1632	1200	1200.0000
1633	0	0.0000
1634	0	0.0000
1635	22800	22800.0000
1636	2800	1843.0000
1637	0	0.0000
1638	0	0.0000
1639	0	0.0000
1640	1900	1900.0000
1641	1400	958.6000
1642	3300	2233.3333

1643	4200	4200.0000
1644	3900	2241.5000
1645	0	0.0000
1646	2500	2500.0000
1647	0	0.0000
1648	0	0.0000
1649	2600	2200.0000
1650	7200	7200.0000
1651	2000	2000.0000
1652	2100	1900.0000
1653	2000	2000.0000
1654	0	0.0000
1655	1600	1450.0000
1656	2100	2100.0000
1657	1700	1400.0000
1658	0	0.0000
1659	173800	17503.0000
1660	1200	1200.0000
1661	2600	2600.0000
1662	0	0.0000
1663	11900	11900.0000
1664	536	536.0000
1665	0	0.0000
1666	0	0.0000
1667	2100	1550.0000
1668	0	0.0000
1669	1700	1305.7500
1670	0	0.0000
1671	1400	1400.0000
1672	3800	1579.2000
1673	578	578.0000
1674	10800	3982.4286
1675	2700	2700.0000
1676	4300	4300.0000
1677	2100	2100.0000
1678	5400	3650.0000
1679	11900	11900.0000
1680	0	0.0000
1681	0	0.0000
1682	0	0.0000
1683	22800	16250.0000
1684	952	952.0000
1685	1300	1300.0000
1686	5500	3261.3333
1687	0	0.0000
1688	23500	4839.2222
1689	3700	3700.0000
1690	0	0.0000
1691	3900	3900.0000
1692	559	559.0000
1693	1300	1300.0000
1694	0	0.0000
1695	0	0.0000
1696	386	386.0000

1697	2000	2000.0000
1698	965	965.0000
1699	9800	9800.0000
1700	1600	1600.0000
1701	1700	1700.0000
1702	0	0.0000
1703	6900	6900.0000
1704	1500	1500.0000
1705	1200	1200.0000
1706	9200	9200.0000
1707	0	0.0000
1708	1300	1300.0000
1709	0	0.0000
1710	1600	1333.3333
1711	0	0.0000
1712	0	0.0000
1713	0	0.0000
1714	42500	5817.1250
1715	3200	2150.0000
1716	0	0.0000
1717	6100	2731.1429
1718	1900	1800.0000
1719	0	0.0000
1720	60300	60300.0000
1721	0	0.0000
1722	3700	2883.3333
1723	0	0.0000
1724	0	0.0000
1725	3900	2950.0000
1726	0	0.0000
1727	0	0.0000
1728	1600	1300.0000
1729	0	0.0000
1730	2000	2000.0000
1731	6400	3312.5000
1732	3100	2050.0000
1733	0	0.0000
1734	0	0.0000
1735	51900	26303.0000
1736	476	476.0000
1737	782	782.0000
1738	0	0.0000
1739	1600	1600.0000
1740	0	0.0000
1741	3000	3000.0000
1742	0	0.0000
1743	2100	2100.0000
1744	0	0.0000
1745	6500	2700.5000
1746	32600	13300.0000
1747	7800	4466.6667
1748	6700	4500.0000
1749	5700	3900.0000
1750	0	0.0000

1751	1100	1100.0000
1752	836	836.0000
1753	7000	6450.0000
1754	0	0.0000
1755	30000	30000.0000
1756	1500	1500.0000
1757	1900	1900.0000
1758	1900	1431.5000
1759	2000	2000.0000
1760	5700	5700.0000
1761	1200	1019.5000
1762	1200	1200.0000
1763	6900	6900.0000
1764	2300	2200.0000
1765	0	0.0000
1766	3300	3300.0000
1767	0	0.0000
1768	527	527.0000
1769	2800	2800.0000
1770	0	0.0000
1771	0	0.0000
1772	2100	1014.0000
1773	1700	1393.0000
1774	10800	10800.0000
1775	22800	22800.0000
1776	1200	1067.3333
1777	0	0.0000
1778	1500	1500.0000
1779	6000	4950.0000
1780	0	0.0000
1781	0	0.0000
1782	0	0.0000
1783	3400	1798.0000
1784	4300	2690.3333
1785	4300	2866.6667
1786	12800	8350.0000
1787	22800	11950.0000
1788	4800	2127.4000
1789	3300	3300.0000
1790	3300	3300.0000
1791	6700	4750.0000
1792	0	0.0000
1793	0	0.0000
1794	933	933.0000
1795	2000	2000.0000
1796	3200	1997.5000
1797	5700	5700.0000
1798	7600	7600.0000
1799	606	606.0000
1800	2000	1479.5000
1801	0	0.0000
1802	1900	1900.0000
1803	6000	3500.0000
1804	0	0.0000

1805	1700	1650.0000
1806	890	890.0000
1807	1600	1600.0000
1808	4700	4700.0000
1809	95900	95900.0000
1810	2000	2000.0000
1811	6000	6000.0000
1812	0	0.0000
1813	3500	2650.0000
1814	1300	1300.0000
1815	0	0.0000
1816	0	0.0000
1817	1500	1500.0000
1818	2800	1666.6667
1819	4900	4050.0000
1820	0	0.0000
1821	0	0.0000
1822	0	0.0000
1823	0	0.0000
1824	0	0.0000
1825	0	0.0000
1826	1500	1149.5000
1827	12700	3496.0000
1828	1700	1400.0000
1829	6000	4300.0000
1830	3000	3000.0000
1831	0	0.0000
1832	0	0.0000
1833	0	0.0000
1834	2200	2200.0000
1835	57600	57600.0000
1836	847	847.0000
1837	0	0.0000
1838	0	0.0000
1839	0	0.0000
1840	0	0.0000
1841	6700	3233.3333
1842	0	0.0000
1843	0	0.0000
1844	1600	1400.0000
1845	1300	1300.0000
1846	11900	11900.0000
1847	0	0.0000
1848	2100	2100.0000
1849	0	0.0000
1850	532	532.0000
1851	884	834.0000
1852	4800	4800.0000
1853	1200	1200.0000
1854	10900	4956.1667
1855	22800	10166.6667
1856	0	0.0000
1857	0	0.0000
1858	1200	1200.0000

1859	2700	2700.0000
1860	45300	7212.7143
1861	990	990.0000
1862	0	0.0000
1863	0	0.0000
1864	0	0.0000
1865	0	0.0000
1866	839	629.0000
1867	0	0.0000
1868	2000	1650.0000
1869	14700	3657.4286
1870	874	874.0000
1871	2200	2200.0000
1872	0	0.0000
1873	1600	1275.0000
1874	2900	2900.0000
1875	2500	2200.0000
1876	4300	3500.0000
1877	7300	2820.2500
1878	0	0.0000
1879	2100	1267.0000
1880	0	0.0000
1881	22800	22800.0000
1882	0	0.0000
1883	1300	1300.0000
1884	0	0.0000
1885	1300	1300.0000
1886	4100	2042.8000
1887	0	0.0000
1888	4300	3850.0000
1889	2800	2450.0000
1890	0	0.0000
1891	0	0.0000
1892	0	0.0000
1893	1700	1500.0000
1894	1000	1000.0000
1895	0	0.0000
1896	0	0.0000
1897	23500	5475.3000
1898	0	0.0000
1899	0	0.0000
1900	2300	2300.0000
1901	0	0.0000
1902	1700	1700.0000
1903	0	0.0000
1904	0	0.0000
1905	1700	1700.0000
1906	1700	1177.0000
1907	1800	1800.0000
1908	0	0.0000
1909	0	0.0000
1910	2100	2100.0000
1911	22800	10833.3333
1912	0	0.0000

1913	1100	1100.0000
1914	0	0.0000
1915	3400	3400.0000
1916	6700	3000.0000
1917	0	0.0000
1918	0	0.0000
1919	0	0.0000
1920	0	0.0000
1921	2800	2800.0000
1922	1400	1400.0000
1923	929	929.0000
1924	0	0.0000
1925	0	0.0000
1926	803	803.0000
1927	3300	2133.5000
1928	0	0.0000
1929	0	0.0000
1930	0	0.0000
1931	2200	1411.0000
1932	11900	11900.0000
1933	0	0.0000
1934	0	0.0000
1935	11000	11000.0000
1936	3400	3400.0000
1937	2100	2000.0000
1938	2100	2100.0000
1939	30400	30400.0000
1940	0	0.0000
1941	0	0.0000
1942	0	0.0000
1943	11400	11400.0000
1944	978	978.0000
1945	4300	1684.8000
1946	1900	1194.0000
1947	4800	3200.0000
1948	797	797.0000
1949	0	0.0000
1950	790	790.0000
1951	32600	4973.3333
1952	0	0.0000
1953	0	0.0000
1954	1400	1400.0000
1955	3200	2100.0000
1956	0	0.0000
1957	1900	1900.0000
1958	0	0.0000
1959	18100	3333.9020
1960	0	0.0000
1961	2000	2000.0000
1962	4000	4000.0000
1963	8000	8000.0000
1964	9500	9500.0000
1965	1100	1100.0000
1966	1400	1095.0000

1967	0	0.0000
1968	0	0.0000
1969	0	0.0000
1970	4700	2633.3333
1971	0	0.0000
1972	2400	2400.0000
1973	8500	3737.8000
1974	0	0.0000
1975	4500	4500.0000
1976	5500	2576.2000
1977	2600	2300.0000
1978	7000	4500.0000
1979	0	0.0000
1980	12800	5025.0000
1981	1700	1700.0000
1982	9800	1841.4000
1983	898	898.0000
1984	898	898.0000
1985	1400	1149.0000
1986	0	0.0000
1987	16200	16200.0000
1988	0	0.0000
1989	0	0.0000
1990	0	0.0000
1991	0	0.0000
1992	7000	4900.0000
1993	12800	4825.0000
1994	1300	1300.0000
1995	1800	1800.0000
1996	2200	1733.3333
1997	0	0.0000
1998	2200	1733.3333
1999	18100	5538.4615
2000	1700	1700.0000
2001	2400	2400.0000
2002	0	0.0000
2003	6100	6100.0000
2004	3400	2350.0000
2005	0	0.0000
2006	3900	3400.0000
2007	0	0.0000
2008	5800	3366.6667
2009	3200	3200.0000
2010	0	0.0000
2011	622	622.0000
2012	1800	1600.0000
2013	469	469.0000
2014	612	612.0000
2015	0	0.0000
2016	1900	1900.0000
2017	2600	1795.0000
2018	0	0.0000
2019	3200	1362.7500
2020	0	0.0000

2021	0	0.0000
2022	2000	2000.0000
2023	1300	1300.0000
2024	2300	2300.0000
2025	7600	4866.6667
2026	0	0.0000
2027	0	0.0000
2028	0	0.0000
2029	2300	2300.0000
2030	635	635.0000
2031	4300	3800.0000
2032	2900	2350.0000
2033	2900	2350.0000
2034	3700	2170.0000
2035	0	0.0000
2036	12800	7850.0000
2037	0	0.0000
2038	985	985.0000
2039	13600	13600.0000
2040	1800	1326.0000
2041	10300	4284.2500
2042	9700	6300.0000
2043	1700	1118.5000
2044	1100	835.5000
2045	4900	4900.0000
2046	4600	4600.0000
2047	0	0.0000
2048	1400	1400.0000
2049	2200	1900.0000
2050	0	0.0000
2051	0	0.0000
2052	0	0.0000
2053	3200	1541.3333
2054	1200	1200.0000
2055	6100	6100.0000
2056	6100	5950.0000
2057	5800	5800.0000
2058	2400	1950.0000
2059	9700	3201.6000
2060	7800	7800.0000
2061	1200	1200.0000
2062	13000	8100.0000
2063	6100	6100.0000
2064	0	0.0000
2065	0	0.0000
2066	760	760.0000
2067	22800	11891.0000
2068	2900	2100.0000
2069	4100	4100.0000
2070	4500	2800.0000
2071	2400	2400.0000
2072	1600	1410.0000
2073	6100	2825.0000
2074	1200	723.0000

2075	6800	4650.0000
2076	18400	11900.0000
2077	10800	5601.0000
2078	2200	2200.0000
2079	10500	10500.0000
2080	1600	954.5000
2081	858	858.0000
2082	0	0.0000
2083	8100	5650.0000
2084	1800	1800.0000
2085	3500	2550.0000
2086	4200	4200.0000
2087	1600	1600.0000
2088	1400	752.5000
2089	0	0.0000
2090	2300	2066.6667
2091	0	0.0000
2092	0	0.0000
2093	4400	4400.0000
2094	2300	1750.0000
2095	0	0.0000
2096	952	952.0000
2097	1200	1200.0000
2098	2200	1733.3333
2099	1900	1533.3333
2100	2600	2600.0000
2101	10900	6300.0000
2102	0	0.0000
2103	4400	2750.0000
2104	0	0.0000
2105	0	0.0000
2106	14000	8850.0000
2107	51900	51900.0000
2108	3500	3500.0000
2109	741	741.0000
2110	1600	1600.0000
2111	0	0.0000
2112	6400	6400.0000
2113	0	0.0000
2114	3100	1866.0000
2115	0	0.0000
2116	2700	2700.0000
2117	1700	1700.0000
2118	0	0.0000
2119	0	0.0000
2120	6000	6000.0000
2121	4200	4200.0000
2122	1100	1100.0000
2123	0	0.0000
2124	22800	12300.0000
2125	0	0.0000
2126	0	0.0000
2127	0	0.0000
2128	39200	39200.0000

2129	1500	1500.0000
2130	11900	6500.0000
2131	1400	1166.6667
2132	0	0.0000
2133	0	0.0000
2134	30400	11030.0000
2135	0	0.0000
2136	2000	1550.0000
2137	0	0.0000
2138	0	0.0000
2139	0	0.0000
2140	7100	2856.0000
2141	3200	3200.0000
2142	0	0.0000
2143	13600	12750.0000
2144	3200	3200.0000
2145	0	0.0000
2146	7900	4450.0000
2147	11000	11000.0000
2148	1400	1400.0000
2149	1900	1900.0000
2150	66900	66900.0000
2151	1300	1300.0000
2152	2600	1524.0000
2153	0	0.0000
2154	2200	2066.6667
2155	18400	18400.0000
2156	4600	4000.0000
2157	0	0.0000
2158	0	0.0000
2159	0	0.0000
2160	10900	10000.0000
2161	0	0.0000
2162	3200	3200.0000
2163	10300	10300.0000
2164	1700	1700.0000
2165	0	0.0000
2166	0	0.0000
2167	3400	3000.0000
2168	0	0.0000
2169	0	0.0000
2170	12300	4789.6667
2171	8100	5050.0000
2172	4600	2300.0000
2173	2400	1750.0000
2174	816	816.0000
2175	0	0.0000
2176	2200	2200.0000
2177	3800	2273.6667
2178	11400	6250.0000
2179	0	0.0000
2180	0	0.0000
2181	9700	6100.0000
2182	3500	3500.0000

2183	1800	1223.5000
2184	1600	1600.0000
2185	1500	1500.0000
2186	1300	1300.0000
2187	7500	4075.5000
2188	9700	4633.3333
2189	5600	2950.0000
2190	0	0.0000
2191	1900	1214.5000
2192	2200	1527.5000
2193	66900	34550.0000
2194	0	0.0000
2195	0	0.0000
2196	0	0.0000
2197	59400	59400.0000
2198	0	0.0000
2199	2200	1600.0000
2200	2200	2200.0000
2201	0	0.0000
2202	0	0.0000
2203	923	923.0000
2204	0	0.0000
2205	0	0.0000
2206	11900	10550.0000
2207	0	0.0000
2208	0	0.0000
2209	11700	6066.6667
2210	0	0.0000
2211	4500	2622.0000
2212	1200	1200.0000
2213	0	0.0000
2214	1800	1600.0000
2215	1100	922.0000
2216	1800	1700.0000
2217	22200	12350.0000
2218	3900	2600.0000
2219	901	855.6667
2220	0	0.0000
2221	8100	8100.0000
2222	1300	1250.0000
2223	0	0.0000
2224	2100	2100.0000
2225	1500	1160.0000
2226	3900	2225.0000
2227	0	0.0000
2228	3600	3000.0000
2229	2100	2050.0000
2230	4500	4500.0000
2231	1100	1100.0000
2232	2100	1700.0000
2233	22800	11950.0000
2234	0	0.0000
2235	1100	1100.0000
2236	11400	6400.0000

2237	13900	13900.0000
2238	2400	2400.0000
2239	2400	2400.0000
2240	0	0.0000
2241	2500	1305.8000
2242	0	0.0000
2243	4800	4300.0000
2244	39400	39400.0000
2245	66900	34950.0000
2246	0	0.0000
2247	4200	4200.0000
2248	0	0.0000
2249	10300	5536.5000
2250	0	0.0000
2251	0	0.0000
2252	0	0.0000
2253	4600	4500.0000
2254	13200	8800.0000
2255	0	0.0000
2256	0	0.0000
2257	0	0.0000
2258	987	987.0000
2259	0	0.0000
2260	4400	4400.0000
2261	4600	2619.5000
2262	0	0.0000
2263	2800	1770.6667
2264	0	0.0000
2265	0	0.0000
2266	0	0.0000
2267	4400	4400.0000
2268	0	0.0000
2269	1600	1550.0000
2270	11900	7400.0000
2271	1400	973.7500
2272	0	0.0000
2273	4600	3180.0000
2274	0	0.0000
2275	0	0.0000
2276	1500	1500.0000
2277	3400	2750.0000
2278	1500	978.0000
2279	11400	6400.0000
2280	1600	1105.6667
2281	1700	1148.0000
2282	1100	1100.0000
2283	1500	1209.2500
2284	0	0.0000
2285	1600	1600.0000
2286	27400	15600.0000
2287	2200	1402.0000
2288	1000	1000.0000
2289	1200	956.0000
2290	10300	10300.0000

2291	66900	37150.0000
2292	15700	15700.0000
2293	723	723.0000
2294	1700	1350.0000
2295	2800	2500.0000
2296	1000	1000.0000
2297	0	0.0000
2298	7900	2186.1429
2299	0	0.0000
2300	0	0.0000
2301	3500	2100.0000
2302	1300	1300.0000
2303	2800	2800.0000
2304	0	0.0000
2305	0	0.0000
2306	2900	2900.0000
2307	4500	4500.0000
2308	0	0.0000
2309	0	0.0000
2310	11900	3866.7500
2311	13600	13600.0000
2312	0	0.0000
2313	1200	1200.0000
2314	3200	3200.0000
2315	13600	5666.6667
2316	1800	1800.0000
2317	6500	4250.0000
2318	2400	1466.0000
2319	2900	2900.0000
2320	0	0.0000
2321	11100	11100.0000
2322	3100	3100.0000
2323	0	0.0000
2324	2200	2200.0000
2325	0	0.0000
2326	0	0.0000
2327	2000	2000.0000
2328	0	0.0000
2329	3400	2350.0000
2330	1700	1700.0000
2331	0	0.0000
2332	0	0.0000
2333	11100	4933.3333
2334	1400	1400.0000
2335	0	0.0000
2336	7500	4425.0000
2337	5600	5600.0000
2338	0	0.0000
2339	1300	1250.0000
2340	11400	5999.5000
2341	1100	1100.0000
2342	0	0.0000
2343	3400	3400.0000
2344	3200	3200.0000

2345	0	0.0000
2346	1300	1300.0000
2347	9300	4500.0000
2348	0	0.0000
2349	0	0.0000
2350	50600	35200.0000
2351	0	0.0000
2352	11700	11700.0000
2353	16800	14100.0000
2354	7100	7100.0000
2355	1400	1400.0000
2356	5700	3600.0000
2357	0	0.0000
2358	3600	3600.0000
2359	0	0.0000
2360	9600	5500.0000
2361	0	0.0000
2362	11100	6350.0000
2363	2300	1509.0000
2364	11700	11400.0000
2365	0	0.0000
2366	0	0.0000
2367	31800	13200.0000
2368	8600	8600.0000
2369	4800	3433.3333
2370	0	0.0000
2371	0	0.0000
2372	0	0.0000
2373	4100	3666.6667
2374	1200	1200.0000
2375	2300	1563.5000
2376	173800	32800.0000
2377	2200	2200.0000
2378	0	0.0000
2379	11100	11100.0000
2380	2200	2200.0000
2381	5900	3444.6000
2382	0	0.0000
2383	0	0.0000
2384	4100	4100.0000
2385	4000	4000.0000
2386	18100	3890.3667
2387	0	0.0000
2388	0	0.0000
2389	3200	3200.0000
2390	3600	1617.8000
2391	2300	2300.0000
2392	0	0.0000
2393	11100	4742.3333
2394	2300	2300.0000
2395	3200	1846.0909
2396	0	0.0000
2397	0	0.0000
2398	5300	2830.7500

2399	12300	7450.0000
2400	0	0.0000
2401	4300	2147.3333
2402	0	0.0000
2403	2200	2050.0000
2404	849	849.0000
2405	0	0.0000
2406	0	0.0000
2407	2700	1900.0000
2408	1100	826.3333
2409	578	578.0000
2410	1100	562.5000
2411	3400	2091.5000
2412	0	0.0000
2413	527	527.0000
2414	461	461.0000
2415	4200	2800.0000
2416	859	859.0000
2417	1900	1513.0000
2418	9800	1836.8387
2419	0	0.0000
2420	4400	2580.5000
2421	2500	2500.0000
2422	2000	2000.0000
2423	14800	8350.0000
2424	2600	1950.0000
2425	0	0.0000
2426	4700	4700.0000
2427	1100	1007.5000
2428	1700	1700.0000
2429	382	382.0000
2430	2500	1478.0000
2431	2200	2100.0000
2432	23700	23700.0000
2433	0	0.0000
2434	5700	5700.0000
2435	0	0.0000
2436	9400	9400.0000
2437	4100	4100.0000
2438	14100	11750.0000
2439	3500	2030.8000
2440	3100	2350.0000
2441	0	0.0000
2442	1400	1400.0000
2443	7500	7500.0000
2444	4600	3000.0000
2445	10400	4500.0000
2446	0	0.0000
2447	7200	3040.2000
2448	4600	3700.0000
2449	2400	1595.0000
2450	6500	6500.0000
2451	0	0.0000
2452	4000	4000.0000

2453	0	0.0000
2454	1500	1175.0000
2455	0	0.0000
2456	17200	5116.0000
2457	7500	5550.0000
2458	0	0.0000
2459	0	0.0000
2460	14700	7632.0000
2461	1400	893.0000
2462	4300	4300.0000
2463	1700	1700.0000
2464	3500	2039.3333
2465	0	0.0000
2466	0	0.0000
2467	3400	2675.0000
2468	5700	3500.0000
2469	1100	957.3333
2470	3000	3000.0000
2471	840	840.0000
2472	0	0.0000
2473	0	0.0000
2474	4600	2627.0000
2475	1800	1201.0000
2476	1200	891.5000
2477	2100	1249.5000
2478	14700	14700.0000
2479	4600	4533.3333
2480	0	0.0000
2481	22800	12450.0000
2482	3400	2225.0000
2483	1100	869.0000
2484	3400	1859.5000
2485	2400	1533.3333
2486	7500	7500.0000
2487	14300	7511.5000
2488	0	0.0000
2489	5700	5700.0000
2490	1000	1000.0000
2491	0	0.0000
2492	22800	11685.5000
2493	1200	1200.0000
2494	2700	2433.3333
2495	0	0.0000
2496	7500	6800.0000
2497	0	0.0000
2498	0	0.0000
2499	1800	1450.0000
2500	0	0.0000
2501	9800	9800.0000
2502	0	0.0000
2503	1500	1078.5000
2504	3800	3800.0000
2505	2600	2400.0000
2506	11700	6500.0000

2507	0	0.0000
2508	638	638.0000
2509	7500	7500.0000
2510	0	0.0000
2511	2900	2900.0000
2512	5300	3700.0000
2513	1500	1500.0000
2514	0	0.0000
2515	0	0.0000
2516	3000	3000.0000
2517	2400	2400.0000
2518	5000	2800.0000
2519	0	0.0000
2520	1400	1400.0000
2521	0	0.0000
2522	16700	16700.0000
2523	4100	4100.0000
2524	9100	9100.0000
2525	2800	2800.0000
2526	30000	7089.2000
2527	2700	2700.0000
2528	16200	8700.0000
2529	0	0.0000
2530	4100	3650.0000
2531	1400	937.5000
2532	0	0.0000
2533	0	0.0000
2534	1300	1300.0000
2535	2600	2600.0000
2536	2500	1481.0000
2537	2100	2100.0000
2538	1400	1400.0000
2539	979	979.0000
2540	3700	3700.0000
2541	0	0.0000
2542	14700	8500.0000
2543	593	593.0000
2544	4600	3450.0000
2545	0	0.0000
2546	0	0.0000
2547	4300	1949.5000
2548	0	0.0000
2549	6900	2697.5000
2550	8000	8000.0000
2551	5400	2522.3333
2552	0	0.0000
2553	2800	2450.0000
2554	0	0.0000
2555	1900	1449.0000
2556	1400	1350.0000
2557	7300	3625.0000
2558	0	0.0000
2559	0	0.0000
2560	0	0.0000

2561	0	0.0000
2562	1100	1100.0000
2563	0	0.0000
2564	0	0.0000

	weekday_is_monday	weekday_is_tuesday	weekday_is_wednesday
1	1	0	0
2	1	0	0
3	1	0	0
4	1	0	0
5	1	0	0
6	1	0	0
7	1	0	0
8	1	0	0
9	1	0	0
10	1	0	0
11	1	0	0
12	1	0	0
13	1	0	0
14	1	0	0
15	1	0	0
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19	1	0	0
20	1	0	0
21	1	0	0
22	1	0	0
23	1	0	0
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38	1	0	0
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42	1	0	0
43	1	0	0
44	1	0	0
45	1	0	0
46	1	0	0
47	1	0	0
48	1	0	0
49	1	0	0

50	1	0	0
51	1	0	0
52	1	0	0
53	1	0	0
54	1	0	0
55	1	0	0
56	1	0	0
57	1	0	0
58	1	0	0
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62	1	0	0
63	1	0	0
64	1	0	0
65	1	0	0
66	1	0	0
67	1	0	0
68	1	0	0
69	1	0	0
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72	1	0	0
73	1	0	0
74	1	0	0
75	1	0	0
76	1	0	0
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84	0	1	0
85	0	1	0
86	0	1	0
87	0	1	0
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89	0	1	0
90	0	1	0
91	0	1	0
92	0	0	1
93	0	0	1
94	0	0	1
95	0	0	1
96	0	0	1
97	0	0	1
98	0	0	1
99	0	0	1
100	0	0	1
101	0	0	1
102	0	0	1
103	0	0	1

104	0	0	1
105	0	0	1
106	0	0	1
107	0	0	1
108	0	0	1
109	0	0	1
110	0	0	1
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2331	0	0	0.025974026
2332	0	0	0.052500000
2333	0	0	0.031007752
2334	0	0	0.039024390
2335	0	0	0.056100982
2336	0	0	0.051181102
2337	0	0	0.027972028
2338	0	0	0.081395349
2339	0	0	0.013793103
2340	0	0	0.030851064
2341	0	0	0.017467249
2342	0	0	0.026315789
2343	0	0	0.066985646
2344	0	0	0.067340067
2345	0	0	0.047945205
2346	0	0	0.042857143
2347	0	0	0.042113955
2348	0	0	0.053289831
2349	0	0	0.024390244
2350	0	0	0.034334764
2351	0	0	0.021739130
2352	0	0	0.036496350
2353	0	0	0.051863857
2354	0	0	0.045977011
2355	0	0	0.018907563
2356	0	0	0.061021171
2357	0	0	0.023076923
2358	0	0	0.029962547
2359	0	0	0.048828125
2360	0	0	0.065953654
2361	0	0	0.048387097
2362	0	0	0.004405286
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2364	0	0	0.027522936
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2366	0	0	0.057654076
2367	0	0	0.065904506
2368	0	0	0.084337349
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2370	0	0	0.027842227
2371	0	0	0.051923077

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2375	0	0	0.045138889
2376	0	0	0.037444934
2377	0	0	0.053956835
2378	0	0	0.032921811
2379	0	0	0.039215686
2380	0	1	0.027624309
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2382	0	1	0.037613489
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2385	0	1	0.065134100
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2391	0	1	0.058035714
2392	0	1	0.054455446
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2394	0	1	0.028340081
2395	0	1	0.051932367
2396	0	1	0.062146893
2397	0	1	0.047227926
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2399	1	1	0.092105263
2400	1	1	0.096774194
2401	1	1	0.052238806
2402	1	1	0.042810099
2403	1	1	0.055319149
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2408	1	1	0.030172414
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2410	1	1	0.031751227
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2412	1	1	0.045929019
2413	1	1	0.066265060
2414	1	1	0.042293233
2415	1	1	0.065802592
2416	1	1	0.038007864
2417	1	1	0.049962434
2418	1	1	0.056625142
2419	1	1	0.041884817
2420	1	1	0.024647887
2421	1	1	0.045123726
2422	0	0	0.027777778
2423	0	0	0.039647577
2424	0	0	0.050106610
2425	0	0	0.040000000

2426	0	0	0.054474708
2427	0	0	0.057851240
2428	0	0	0.030456853
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2430	0	0	0.063814358
2431	0	0	0.084210526
2432	0	0	0.031088083
2433	0	0	0.044673540
2434	0	0	0.062275449
2435	0	0	0.026315789
2436	0	0	0.042071197
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2439	0	0	0.059307105
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2442	0	0	0.017045455
2443	0	0	0.023255814
2444	0	0	0.053221289
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2448	0	0	0.020270270
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2450	0	0	0.028571429
2451	0	0	0.027777778
2452	0	0	0.052941176
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2456	0	0	0.053435115
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2459	0	0	0.068181818
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2462	0	0	0.052128584
2463	0	0	0.074611399
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2465	0	0	0.041666667
2466	0	0	0.092105263
2467	0	0	0.038986355
2468	0	0	0.059936909
2469	0	0	0.020408163
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2471	0	0	0.074074074
2472	0	0	0.039513678
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2479	0	0	0.052132701

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2495	0	0	0.037854890
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2497	0	0	0.068750000
2498	0	0	0.037037037
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2500	0	0	0.022801303
2501	0	0	0.048231511
2502	0	0	0.049751244
2503	0	0	0.040214477
2504	0	0	0.049342105
2505	0	0	0.072727273
2506	0	0	0.031914894
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2508	0	0	0.035087719
2509	0	0	0.051094891
2510	0	0	0.023437500
2511	0	0	0.031446541
2512	0	0	0.053511706
2513	0	0	0.044967880
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2516	0	0	0.035398230
2517	0	0	0.022727273
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2519	0	0	0.045977011
2520	0	0	0.054455446
2521	0	0	0.036968577
2522	0	0	0.025862069
2523	0	0	0.040880503
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2531	0	0	0.050000000
2532	0	0	0.013192612
2533	0	0	0.033472803

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2535	0	0	0.040685225
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2540	0	0	0.041782730
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2542	0	0	0.034383954
2543	0	0	0.027888446
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2546	0	0	0.041353383
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2550	0	0	0.033898305
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2554	0	0	0.074585635
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2557	0	0	0.029282577
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2560	0	0	0.043103448
2561	0	0	0.026905830
2562	0	0	0.061111111
2563	0	0	0.000000000
2564	0	0	0.025597270

	global_rate_negative_words	avg_positive_polarity
1	0.013698630	0.37863636
2	0.015686275	0.28691460
3	0.009478673	0.49583333
4	0.020715631	0.38596517
5	0.012126866	0.41112743
6	0.027027027	0.35061000
7	0.016666667	0.40203857
8	0.015166835	0.42772049
9	0.020618557	0.56666667
10	0.030303030	0.29841270
11	0.020833333	0.40448007
12	0.010695187	0.43500000
13	0.029197080	0.37551020
14	0.052631579	0.45750000
15	0.011583012	0.24909091
16	0.039589443	0.34307041
17	0.025939177	0.50452899
18	0.010075567	0.38184732
19	0.009708738	0.27777778
20	0.011599006	0.42656849
21	0.011217949	0.40824472
22	0.005115090	0.15000000

23	0.016464471	0.41634300
24	0.000000000	0.28106061
25	0.024590164	0.29242424
26	0.011278195	0.29523809
27	0.009063444	0.55655844
28	0.016326531	0.41741520
29	0.020576132	0.33329726
30	0.008298755	0.34057218
31	0.015536723	0.29194139
32	0.011058452	0.29803285
33	0.010344828	0.43890813
34	0.005025126	0.41943889
35	0.004901961	0.42218182
36	0.012698413	0.40055096
37	0.015273312	0.42147212
38	0.027237354	0.36041667
39	0.020025031	0.39452381
40	0.000000000	0.54545455
41	0.013513514	0.41857985
42	0.000000000	0.41212121
43	0.011317704	0.40336375
44	0.017576318	0.42373791
45	0.011741683	0.41944052
46	0.007042254	0.36666667
47	0.015126050	0.40301094
48	0.018633540	0.42746212
49	0.013537906	0.39068525
50	0.012855831	0.40410817
51	0.014018692	0.25833333
52	0.018008475	0.41351759
53	0.017475728	0.42623760
54	0.013215859	0.36295455
55	0.013452915	0.41705547
56	0.012612613	0.33796488
57	0.025316456	0.35726912
58	0.007692308	0.35393939
59	0.000000000	0.31289761
60	0.010714286	0.25725108
61	0.014648438	0.41013786
62	0.000000000	0.29125874
63	0.012149533	0.41206296
64	0.017278618	0.22213763
65	0.014925373	0.40807530
66	0.039702233	0.28046537
67	0.059760956	0.17891775
68	0.018927445	0.31646825
69	0.011299435	0.41691919
70	0.018348624	0.32227273
71	0.022556391	0.35841609
72	0.008695652	0.37308378
73	0.022573363	0.33529412
74	0.018348624	0.53611111
75	0.013157895	0.41487569
76	0.018716578	0.36096939

77	0.014044944	0.35941755
78	0.011419250	0.39494048
79	0.013380910	0.37230468
80	0.010416667	0.36388889
81	0.038647343	0.29959776
82	0.007462687	0.41212121
83	0.021352313	0.32221112
84	0.010020040	0.35854978
85	0.007462687	0.28538961
86	0.018378378	0.42257155
87	0.022988506	0.51666667
88	0.000000000	0.29858225
89	0.022002200	0.38102759
90	0.012012012	0.42246040
91	0.011869436	0.41949092
92	0.012106538	0.34465241
93	0.011111111	0.45333333
94	0.009222661	0.28389541
95	0.020391517	0.36968042
96	0.012448133	0.31846591
97	0.047619048	0.49236111
98	0.022301517	0.42911044
99	0.028109029	0.37635281
100	0.005319149	0.45231481
101	0.028169014	0.34166667
102	0.016969697	0.43040885
103	0.014722537	0.43958133
104	0.015111111	0.42239117
105	0.020080321	0.33147547
106	0.016666667	0.34573003
107	0.014035088	0.45916875
108	0.017937220	0.25454545
109	0.002865330	0.45497836
110	0.017874876	0.41587833
111	0.008620690	0.34280303
112	0.012875536	0.28333333
113	0.017964072	0.37777778
114	0.015757576	0.44406250
115	0.015468608	0.41482886
116	0.041825095	0.36859807
117	0.014957265	0.27526738
118	0.020231214	0.32528409
119	0.019780220	0.35320911
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121	0.012987013	0.38588435
122	0.012765957	0.44935065
123	0.000000000	0.32045454
124	0.010282776	0.35269776
125	0.015325670	0.30000000
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129	0.007751938	0.33333333
130	0.007874016	0.31000000

131	0.015723270	0.25006313
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133	0.011650485	0.41083221
134	0.012987013	0.30000000
135	0.013903743	0.42051263
136	0.015691869	0.38141775
137	0.015243902	0.43090909
138	0.007117438	0.31511216
139	0.018621974	0.33456439
140	0.007722008	0.30142045
141	0.008247423	0.33387446
142	0.013157895	0.36745989
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145	0.031884058	0.40655254
146	0.028985507	0.85000000
147	0.019607843	0.36652056
148	0.018891688	0.35936335
149	0.000000000	0.32171717
150	0.014657980	0.40149836
151	0.027777778	0.52000000
152	0.020080321	0.28394106
153	0.007042254	0.51600000
154	0.009049774	0.17878788
155	0.000000000	0.31285714
156	0.017301038	0.36418733
157	0.017341040	0.69393939
158	0.015673981	0.42913482
159	0.008064516	0.26303030
160	0.012500000	0.33673507
161	0.012121212	0.36666667
162	0.013245033	0.30295545
163	0.019762846	0.43591835
164	0.013251784	0.41176446
165	0.020997375	0.34780962
166	0.006849315	0.40206612
167	0.012121212	0.39458333
168	0.012745098	0.43093834
169	0.008695652	0.68750000
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173	0.005555556	0.36428571
174	0.022058824	0.30838384
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176	0.013698630	0.27133838
177	0.043859649	0.30000000
178	0.013232514	0.40582846
179	0.009478673	0.24833333
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182	0.026315789	0.32263483
183	0.004901961	0.38063754
184	0.027027027	0.42807017

185	0.028455285	0.37424242
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188	0.005714286	0.27142046
189	0.015873016	0.41419458
190	0.014970060	0.36250676
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192	0.010563380	0.46111111
193	0.018570102	0.42838679
194	0.017241379	0.42139951
195	0.013840830	0.34405080
196	0.012971698	0.34908009
197	0.018957346	0.41296296
198	0.015772871	0.33437323
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200	0.012131716	0.31815814
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210	0.019556714	0.42053958
211	0.009463722	0.34523810
212	0.028571429	0.41833333
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223	0.014778325	0.34704868
224	0.017441860	0.51948052
225	0.012645914	0.41402223
226	0.002881844	0.31564781
227	0.016509434	0.42567282
228	0.007843137	0.34412879
229	0.021226415	0.36616162
230	0.018619085	0.32884494
231	0.013986014	0.36142857
232	0.017291066	0.34276557
233	0.039285714	0.45238095
234	0.012626263	0.38449198
235	0.015037594	0.69907407
236	0.016355140	0.54696970
237	0.011004127	0.31857698
238	0.025925926	0.22962662

239	0.037267081	0.45766046
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251	0.005555556	0.23238636
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253	0.013201320	0.30705473
254	0.044247788	0.50076923
255	0.014336918	0.32303030
256	0.032352941	0.28792517
257	0.017671518	0.36969303
258	0.014814815	0.13636364
259	0.010810811	0.27666667
260	0.020348837	0.38051948
261	0.012893983	0.30961485
262	0.006451613	0.62142857
263	0.021691974	0.38091856
264	0.012578616	0.28063187
265	0.054421769	0.53000000
266	0.010752688	0.32871377
267	0.017595308	0.32083333
268	0.002865330	0.26026936
269	0.016129032	0.42998160
270	0.009090909	0.38571429
271	0.014285714	0.49166667
272	0.002932551	0.40000000
273	0.020484171	0.45785714
274	0.019553073	0.24766543
275	0.000000000	0.62148760
276	0.000000000	0.45625000
277	0.014900662	0.34828671
278	0.019801980	0.33853256
279	0.024169184	0.39529221
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281	0.025139665	0.41375000
282	0.030786773	0.60307692
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284	0.012875536	0.50000000
285	0.007575758	0.30000000
286	0.013513514	0.39494949
287	0.025396825	0.43541667
288	0.038793103	0.37254902
289	0.010204082	0.34795918
290	0.015299026	0.36443723
291	0.014662757	0.39527770
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294	0.019455253	0.56785714
295	0.015243902	0.40909091
296	0.053921569	0.45000000
297	0.026086957	0.38181818
298	0.018072289	0.42696239
299	0.008650519	0.29160839
300	0.017021277	0.41166491
301	0.013745704	0.34293939
302	0.024038462	0.47276547
303	0.019230769	0.27677273
304	0.013245033	0.28060606
305	0.002967359	0.56477273
306	0.016853933	0.36292208
307	0.012706480	0.39967533
308	0.009230769	0.31964286
309	0.006302521	0.47687628
310	0.019148936	0.35990196
311	0.003968254	0.44649123
312	0.024630542	0.30871212
313	0.014245014	0.31704545
314	0.019434629	0.41728896
315	0.013468013	0.41742424
316	0.009615385	0.56428571
317	0.013212796	0.33143227
318	0.006825939	0.39919786
319	0.010687023	0.44686688
320	0.026130653	0.38783685
321	0.021739130	0.43437500
322	0.012950971	0.42597511
323	0.015576324	0.42847222
324	0.017582418	0.40260091
325	0.016064257	0.35822511
326	0.011216566	0.41090806
327	0.027210884	0.37777778
328	0.036231884	0.50000000
329	0.017615176	0.39393200
330	0.014973262	0.42336580
331	0.013513514	0.43175272
332	0.018072289	0.36175595
333	0.006042296	0.50000000
334	0.022132797	0.39963370
335	0.019174041	0.39898539
336	0.014218009	0.33019480
337	0.012081274	0.44194114
338	0.005263158	0.49837662
339	0.011494253	0.59210526
340	0.012851406	0.37051948
341	0.024096386	0.48750000
342	0.010000000	0.38887779
343	0.021505376	0.45530303
344	0.016666667	0.41666667
345	0.018158236	0.45513784
346	0.009174312	0.28138528

347	0.013059701	0.42232620
348	0.012622721	0.33106061
349	0.013157895	0.40336134
350	0.007211538	0.44317460
351	0.018942384	0.56990741
352	0.000000000	0.22764069
353	0.017621145	0.40627706
354	0.041666667	0.37000000
355	0.011194030	0.48789682
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357	0.035928144	0.45192308
358	0.007092199	0.38030303
359	0.016000000	0.33475379
360	0.018518519	0.35248327
361	0.020202020	0.33751082
362	0.017391304	0.40312500
363	0.004098361	0.30845599
364	0.028571429	0.29877622
365	0.022222222	0.11212121
366	0.003154574	0.39489178
367	0.014319809	0.35785714
368	0.010909091	0.21949036
369	0.010152284	0.35279720
370	0.007648184	0.33126457
371	0.019125683	0.43957219
372	0.033816425	0.56250000
373	0.020737327	0.33269231
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376	0.010989011	0.00000000
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380	0.014652015	0.29876790
381	0.019966722	0.28769841
382	0.009049774	0.31628788
383	0.004878049	0.46727273
384	0.017057569	0.38840352
385	0.024038462	0.57857143
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387	0.009216590	0.39761664
388	0.002673797	0.27585227
389	0.011363636	0.38923077
390	0.014975042	0.45403281
391	0.009852217	0.43512397
392	0.018404908	0.49312169
393	0.011204482	0.44587348
394	0.013299557	0.37437689
395	0.013612565	0.42396946
396	0.011412268	0.37491289
397	0.007898894	0.45200000
398	0.008278146	0.40412748
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400	0.007575758	0.35189207

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408	0.050724638	0.30288889
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417	0.017937220	0.33522727
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419	0.005540166	0.26734782
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423	0.019774011	0.43344474
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425	0.022222222	0.39234694
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804	0.032319392	0.38815374
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806	0.020134228	0.41136364
807	0.004016064	0.37108586
808	0.011764706	0.16000000
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810	0.016891892	0.44015984
811	0.010869565	0.18675834
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813	0.017482517	0.28000000
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816	0.023622047	0.25750000
817	0.004347826	0.31641414
818	0.052401747	0.32315657
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823	0.014586710	0.36738767
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826	0.020021075	0.37327889
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836	0.014545455	0.39361472
837	0.002994012	0.37500000
838	0.016216216	0.37314815
839	0.020930233	0.34665855
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843	0.006172840	0.47976190
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845	0.010256410	0.39426407
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853	0.020166898	0.40090548
854	0.015905593	0.33297381
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1293	0.027363184	0.46960317
1294	0.031825796	0.43035714
1295	0.012811388	0.34689226
1296	0.050847458	0.35833333
1297	0.029702970	0.29166667
1298	0.012987013	0.30060606
1299	0.012787724	0.40458256
1300	0.011357770	0.33496764
1301	0.011074197	0.27100770
1302	0.010380623	0.34909091
1303	0.004065041	0.39611111
1304	0.021621622	0.28703704
1305	0.018867925	0.36984127
1306	0.024844720	0.41388889
1307	0.011385199	0.34986014
1308	0.035714286	0.23333333
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1310	0.004761905	0.24545454
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1314	0.012931034	0.35445455
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1316	0.013725490	0.40576923
1317	0.010248902	0.32780519
1318	0.007889546	0.44333333

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1321	0.021406728	0.28492063
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1325	0.003533569	0.27873377
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1329	0.007042254	0.38162879
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1332	0.011627907	0.32488038
1333	0.009345794	0.36098450
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1348	0.010273973	0.33750000
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1350	0.026408451	0.31690476
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1366	0.018711019	0.35096816
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1377	0.016032064	0.48888889
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1778	0.016025641	0.48571429
1779	0.018083183	0.25087719
1780	0.000000000	0.50119048
1781	0.025270758	0.38571429
1782	0.007692308	0.38280303
1783	0.016632017	0.37346758
1784	0.000000000	0.36904762
1785	0.022556391	0.33664660
1786	0.026615970	0.59500000
1787	0.062500000	0.39100000
1788	0.011925043	0.34380750
1789	0.014018692	0.33427419
1790	0.015186916	0.39596714
1791	0.015748031	0.42714286
1792	0.009389671	0.29279461
1793	0.005253940	0.44928571
1794	0.003558719	0.34722222
1795	0.008849558	0.29805195
1796	0.022727273	0.30505051
1797	0.017910448	0.38988055
1798	0.012096774	0.49000000
1799	0.014285714	0.48818182
1800	0.004830918	0.21818182
1801	0.012468828	0.39280303
1802	0.025316456	0.34801587
1803	0.013856813	0.41810897
1804	0.032786885	0.18409091

1805	0.007092199	0.26301407
1806	0.020408163	0.29989669
1807	0.007246377	0.37878788
1808	0.016949153	0.41875000
1809	0.018348624	0.30833333
1810	0.010563380	0.36814195
1811	0.008368201	0.30174825
1812	0.010827533	0.41027918
1813	0.013320647	0.33611814
1814	0.011363636	0.21721398
1815	0.030303030	0.33376623
1816	0.033898305	0.53750000
1817	0.011049724	0.34475108
1818	0.013888889	0.15795455
1819	0.015801354	0.36301793
1820	0.030905077	0.32539141
1821	0.021897810	0.35000000
1822	0.000000000	0.32619048
1823	0.000000000	0.00000000
1824	0.017316017	0.41968780
1825	0.008583691	0.40409091
1826	0.005780347	0.39545454
1827	0.040983607	0.46439394
1828	0.000000000	0.25357744
1829	0.015037594	0.25694444
1830	0.023076923	0.47166667
1831	0.042253521	0.44000000
1832	0.021008403	0.34726891
1833	0.021276596	0.40530303
1834	0.014256619	0.45897495
1835	0.019801980	0.49750000
1836	0.044736842	0.34326726
1837	0.011152416	0.25893939
1838	0.002141328	0.39511905
1839	0.001689189	0.39063820
1840	0.033078880	0.42450980
1841	0.021300448	0.38419574
1842	0.015527950	0.31893939
1843	0.017441860	0.40000000
1844	0.003327787	0.32785275
1845	0.005281690	0.52138752
1846	0.011333915	0.49118920
1847	0.028846154	0.37727273
1848	0.016885553	0.33903319
1849	0.024390244	0.38507937
1850	0.000000000	0.26334499
1851	0.010752688	0.37207792
1852	0.010703364	0.35096154
1853	0.008333333	0.31587719
1854	0.020070838	0.37659366
1855	0.037267081	0.53444444
1856	0.004975124	0.22037037
1857	0.011627907	0.31386364
1858	0.019163763	0.37906740

1859	0.016393443	0.37647059
1860	0.011504425	0.40511183
1861	0.023529412	0.37500000
1862	0.023148148	0.76250000
1863	0.056308655	0.42504696
1864	0.009375000	0.42500000
1865	0.025125628	0.28818182
1866	0.025188917	0.30816739
1867	0.024647887	0.47959184
1868	0.008474576	0.33046061
1869	0.015313936	0.42103175
1870	0.043956044	0.37962963
1871	0.011627907	0.30000000
1872	0.029126214	0.36875000
1873	0.024232633	0.39444444
1874	0.000000000	0.40918367
1875	0.014880952	0.41142857
1876	0.015943313	0.38772618
1877	0.015267176	0.34545455
1878	0.003174603	0.36420635
1879	0.014111007	0.39631852
1880	0.005813953	0.36093074
1881	0.044982699	0.48500000
1882	0.012195122	0.31250000
1883	0.059405941	0.61694215
1884	0.007957560	0.24122944
1885	0.029268293	0.37416667
1886	0.017482517	0.28839286
1887	0.014492754	0.46964286
1888	0.011428571	0.30384615
1889	0.009216590	0.46909091
1890	0.011194030	0.35207270
1891	0.036474164	0.32884615
1892	0.017793594	0.34924242
1893	0.016666667	0.36471862
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1895	0.042830540	0.35116623
1896	0.011406844	0.28854167
1897	0.014135703	0.37060764
1898	0.066455696	0.27070707
1899	0.014814815	0.40785714
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1901	0.013235294	0.38444805
1902	0.009523810	0.39242857
1903	0.011904762	0.31785714
1904	0.028248588	0.44078283
1905	0.015463918	0.49696970
1906	0.008333333	0.46431989
1907	0.009009009	0.44545454
1908	0.001808318	0.41824769
1909	0.015700483	0.27904491
1910	0.018218623	0.33082638
1911	0.035326087	0.45583333
1912	0.023728814	0.25886364

1913	0.037914692	0.30995671
1914	0.021212121	0.26392045
1915	0.017241379	0.41458333
1916	0.032558140	0.37363636
1917	0.028806584	0.30916242
1918	0.032558140	0.35551948
1919	0.010775862	0.35040584
1920	0.026905830	0.39671717
1921	0.049382716	0.36542700
1922	0.011695906	0.24242424
1923	0.000000000	0.32227273
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1927	0.009070295	0.28251082
1928	0.023102310	0.41354167
1929	0.016587678	0.67202797
1930	0.011976048	0.25416667
1931	0.012422360	0.38166667
1932	0.011889036	0.46098214
1933	0.017964072	0.37297854
1934	0.011945392	0.35260101
1935	0.017064846	0.35685859
1936	0.016891892	0.43871429
1937	0.026455026	0.30714286
1938	0.010452962	0.47424242
1939	0.029045643	0.50000000
1940	0.044943820	0.40238095
1941	0.000000000	0.50000000
1942	0.006369427	0.33181818
1943	0.023622047	0.23939394
1944	0.011940299	0.34074675
1945	0.018707483	0.32575129
1946	0.004739336	0.38000000
1947	0.018348624	0.30561497
1948	0.007566204	0.22880592
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1951	0.016497462	0.34083072
1952	0.014285714	0.39722222
1953	0.009900990	0.28503788
1954	0.038327526	0.45392992
1955	0.011131725	0.34739332
1956	0.010416667	0.46273810
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1958	0.022413793	0.33174804
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1960	0.012931034	0.40311688
1961	0.007936508	0.36422559
1962	0.028571429	0.36000000
1963	0.007905138	0.28988095
1964	0.012440191	0.39398024
1965	0.004065041	0.34460784
1966	0.016746411	0.45185426

1967	0.013071895	0.27454545
1968	0.011235955	0.34027778
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1970	0.009270705	0.35469212
1971	0.006622517	0.37777778
1972	0.027027027	0.37682318
1973	0.013404826	0.38418245
1974	0.010933558	0.34562621
1975	0.021052632	0.33541667
1976	0.018147087	0.32268704
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1978	0.009287926	0.29784534
1979	0.000000000	0.43498377
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1982	0.033603708	0.31582251
1983	0.022352941	0.32064394
1984	0.022853186	0.30981935
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1988	0.012145749	0.46547619
1989	0.019845645	0.36531169
1990	0.022222222	0.36438263
1991	0.055555556	0.49659091
1992	0.016997167	0.40919421
1993	0.020618557	0.42545455
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1996	0.017899761	0.30850387
1997	0.030674847	0.52000000
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1999	0.006666667	0.41553963
2000	0.031007752	0.35343915
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2002	0.013559322	0.28203463
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2005	0.010471204	0.30542929
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2011	0.018408551	0.41661075
2012	0.015974441	0.32577182
2013	0.018518519	0.35496914
2014	0.025531915	0.28827349
2015	0.000000000	0.00000000
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2017	0.013215859	0.31655844
2018	0.032679739	0.38720779
2019	0.008733624	0.39064626
2020	0.022577611	0.38196089

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2022	0.024045262	0.26019300
2023	0.009584665	0.37000000
2024	0.021505376	0.42200000
2025	0.046666667	0.22222222
2026	0.005319149	0.11904762
2027	0.002724796	0.33878788
2028	0.020179372	0.27254329
2029	0.018867925	0.33888889
2030	0.000000000	0.17424242
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2032	0.021246459	0.48474026
2033	0.019527235	0.39588452
2034	0.012953368	0.38746254
2035	0.010695187	0.54161255
2036	0.015902713	0.50279010
2037	0.034965035	0.35555556
2038	0.012658228	0.33629452
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2040	0.018126888	0.26787879
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2042	0.000000000	0.38939394
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2044	0.009569378	0.35942029
2045	0.013725490	0.31750000
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2049	0.024539877	0.29454546
2050	0.029569892	0.29684343
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2055	0.003861004	0.33060606
2056	0.022727273	0.30959596
2057	0.012320329	0.31387634
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2059	0.003367003	0.39292929
2060	0.022435897	0.35041937
2061	0.022913257	0.41085714
2062	0.006024096	0.38809524
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2069	0.021956088	0.30976827
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2076	0.027139875	0.39758813
2077	0.018987342	0.37490530
2078	0.019920319	0.41757840
2079	0.002717391	0.40412121
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2082	0.006134969	0.16212121
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2087	0.013574661	0.37651515
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2262	0.020833333	0.43000000
2263	0.004830918	0.40388889
2264	0.006006006	0.48131313
2265	0.006849315	0.30816017
2266	0.044481054	0.40043407
2267	0.007561437	0.39130592
2268	0.010676157	0.42251082
2269	0.005025126	0.19454546
2270	0.011594203	0.43964286
2271	0.010489510	0.33242424
2272	0.016260163	0.43333333
2273	0.009443861	0.32675049
2274	0.005390836	0.32852437
2275	0.008658009	0.34498106
2276	0.030927835	0.30863095
2277	0.032258065	0.48409091
2278	0.018050542	0.43776420
2279	0.020634921	0.48396825
2280	0.000000000	0.42777778
2281	0.010141988	0.30351515
2282	0.000000000	0.25568182
2283	0.017156863	0.32818182
2284	0.007905138	0.52500000
2285	0.013761468	0.32329932
2286	0.024193548	0.35789474
2287	0.017271157	0.43106792
2288	0.013840830	0.35460979
2289	0.032846715	0.28603326
2290	0.018041237	0.33824355

2291	0.005376344	0.61428571
2292	0.009132420	0.26403463
2293	0.032786885	0.43333333
2294	0.021428571	0.33656494
2295	0.009915014	0.39088865
2296	0.044444444	0.42536131
2297	0.004228330	0.26880411
2298	0.015625000	0.33196970
2299	0.014492754	0.44785354
2300	0.008032129	0.44339466
2301	0.019090909	0.32742792
2302	0.008333333	0.17424242
2303	0.015673981	0.33500885
2304	0.014462810	0.34430964
2305	0.000000000	0.00000000
2306	0.028985507	0.47142857
2307	0.047337278	0.48428571
2308	0.008602151	0.45758929
2309	0.000000000	0.37500000
2310	0.011337868	0.51353384
2311	0.023584906	0.32500000
2312	0.021978022	0.47500000
2313	0.000000000	0.20211039
2314	0.012931034	0.44727273
2315	0.009132420	0.08484849
2316	0.023668639	0.43214286
2317	0.021875000	0.37808442
2318	0.005952381	0.22852273
2319	0.034883721	0.32777778
2320	0.011320755	0.39277778
2321	0.000000000	0.37666667
2322	0.028260870	0.37617353
2323	0.008849558	0.75000000
2324	0.017543860	0.50082645
2325	0.018372703	0.28242175
2326	0.033613445	0.25416667
2327	0.000000000	0.55416667
2328	0.012729844	0.33410895
2329	0.017699115	0.48366274
2330	0.010845987	0.39375000
2331	0.012987013	0.42500000
2332	0.030000000	0.45396825
2333	0.027131783	0.36049107
2334	0.019512195	0.40909091
2335	0.012622721	0.37376217
2336	0.015748031	0.35195937
2337	0.006993007	0.35729167
2338	0.000000000	0.19818723
2339	0.013793103	0.50000000
2340	0.009574468	0.36804747
2341	0.008733624	0.31818182
2342	0.000000000	0.25000000
2343	0.023923445	0.50666667
2344	0.010101010	0.47033550

2345	0.011986301	0.32421537
2346	0.014285714	0.56666667
2347	0.022295623	0.38954461
2348	0.022838499	0.37521954
2349	0.008869180	0.34939394
2350	0.036480687	0.45401786
2351	0.032608696	0.06666667
2352	0.007299270	0.41500000
2353	0.032414911	0.43700284
2354	0.045977011	0.65909091
2355	0.004201681	0.22171717
2356	0.009962640	0.29274671
2357	0.015384615	0.25277778
2358	0.014981273	0.37575758
2359	0.019531250	0.28945455
2360	0.040998217	0.39549549
2361	0.018433180	0.34220779
2362	0.017621145	0.25000000
2363	0.015873016	0.10000000
2364	0.027522936	0.30000000
2365	0.025316456	0.43297980
2366	0.013916501	0.48786199
2367	0.012104909	0.36739200
2368	0.024096386	0.32380952
2369	0.015063731	0.28833333
2370	0.018561485	0.36205808
2371	0.009615385	0.33346080
2372	0.007547170	0.40698052
2373	0.002932551	0.35174825
2374	0.011267606	0.32164502
2375	0.024305556	0.24090035
2376	0.029735683	0.25746435
2377	0.007194245	0.38315657
2378	0.000000000	0.30000000
2379	0.022058824	0.55696023
2380	0.005524862	0.32333333
2381	0.011787819	0.34087767
2382	0.033722438	0.39696596
2383	0.005970149	0.48867018
2384	0.034782609	0.47971380
2385	0.042145594	0.44086453
2386	0.017414248	0.35885974
2387	0.000000000	0.00000000
2388	0.010449321	0.43864899
2389	0.018050542	0.37310606
2390	0.004000000	0.27629752
2391	0.004464286	0.27564103
2392	0.004950495	0.41564345
2393	0.014440433	0.37611111
2394	0.008097166	0.62857143
2395	0.013285024	0.37435820
2396	0.011299435	0.39090909
2397	0.018480493	0.31828887
2398	0.012474012	0.30576037

2399	0.000000000	0.47346939
2400	0.000000000	0.33333333
2401	0.002487562	0.25857555
2402	0.016465423	0.34197608
2403	0.056382979	0.43942786
2404	0.009293680	0.42531385
2405	0.018292683	0.34583333
2406	0.038461538	0.44761905
2407	0.008064516	0.43333333
2408	0.025862069	0.26753247
2409	0.012658228	0.58727273
2410	0.014402619	0.32036295
2411	0.002375297	0.45810277
2412	0.031315240	0.44039748
2413	0.012048193	0.29195199
2414	0.016917293	0.39213324
2415	0.015952144	0.47934343
2416	0.015727392	0.42241379
2417	0.018407213	0.34241106
2418	0.032842582	0.31582251
2419	0.026178010	0.43750000
2420	0.003521127	0.34090909
2421	0.015283843	0.38345622
2422	0.016339869	0.36684492
2423	0.008810573	0.45396825
2424	0.010660981	0.43157410
2425	0.000000000	0.30000000
2426	0.014267185	0.42144403
2427	0.006887052	0.45596784
2428	0.005076142	0.45000000
2429	0.032442748	0.35479634
2430	0.020304569	0.36771817
2431	0.010526316	0.43162879
2432	0.020725389	0.28106061
2433	0.037800687	0.32555778
2434	0.023952096	0.40990884
2435	0.039473684	0.10000000
2436	0.006472492	0.52972028
2437	0.027459954	0.31304113
2438	0.012012012	0.58666667
2439	0.011743981	0.41343320
2440	0.003300330	0.33215488
2441	0.000000000	0.31250000
2442	0.034090909	0.30476190
2443	0.008720930	0.20454545
2444	0.016806723	0.34173217
2445	0.014697877	0.36511430
2446	0.013888889	0.32727273
2447	0.014388489	0.36073593
2448	0.013513514	0.35000000
2449	0.018115942	0.49375000
2450	0.011428571	0.29393939
2451	0.013888889	0.37678571
2452	0.014705882	0.38392857

2453	0.024415056	0.42285714
2454	0.012277471	0.36359855
2455	0.009316770	0.38714646
2456	0.015267176	0.39783983
2457	0.016713092	0.14916667
2458	0.000000000	0.32424242
2459	0.028409091	0.24015152
2460	0.016901408	0.58461538
2461	0.026829268	0.33661616
2462	0.012163336	0.43352273
2463	0.006217617	0.41868897
2464	0.016545334	0.38343317
2465	0.008333333	0.42277778
2466	0.013157895	0.40714286
2467	0.033138402	0.33628788
2468	0.018927445	0.36278480
2469	0.008163265	0.40893939
2470	0.022727273	0.31628788
2471	0.009259259	0.40625000
2472	0.012158055	0.45490135
2473	0.013698630	0.32693312
2474	0.014925373	0.45833849
2475	0.010416667	0.50000000
2476	0.014423077	0.47272727
2477	0.010416667	0.23300366
2478	0.012903226	0.56363636
2479	0.018957346	0.39058688
2480	0.032116788	0.36012397
2481	0.039660057	0.46636364
2482	0.017624021	0.39292879
2483	0.016129032	0.29659091
2484	0.009940358	0.28990510
2485	0.012145749	0.38333333
2486	0.010204082	0.00000000
2487	0.046296296	0.46428571
2488	0.008514664	0.33097708
2489	0.010135135	0.41111111
2490	0.010964912	0.29007215
2491	0.005681818	0.30000797
2492	0.038781163	0.43370767
2493	0.005555556	0.33040909
2494	0.009045226	0.37911047
2495	0.015772871	0.40505952
2496	0.022727273	0.29605263
2497	0.006250000	0.23523416
2498	0.010101010	0.38663912
2499	0.007788162	0.47150856
2500	0.013029316	0.25833333
2501	0.004823151	0.28095960
2502	0.004975124	0.30666667
2503	0.005361930	0.43472222
2504	0.019736842	0.38333333
2505	0.036363636	0.46079546
2506	0.010638298	0.41481482

2507	0.026578073	0.34678571
2508	0.005847953	0.37878788
2509	0.029197080	0.35380952
2510	0.023437500	0.38888889
2511	0.018867925	0.50000000
2512	0.018952062	0.35689935
2513	0.010706638	0.37681097
2514	0.017352504	0.39938146
2515	0.013071895	0.35034014
2516	0.017699115	0.44687500
2517	0.007575758	0.36666667
2518	0.006578947	0.29117424
2519	0.015325670	0.23345058
2520	0.004950495	0.43658009
2521	0.011090573	0.43166667
2522	0.034482759	0.40555556
2523	0.017295597	0.41037296
2524	0.007692308	0.32774226
2525	0.031055901	0.41428571
2526	0.025331725	0.45166667
2527	0.004975124	0.32348485
2528	0.006944444	0.42083333
2529	0.028697572	0.21402273
2530	0.000000000	0.55218855
2531	0.017647059	0.33720556
2532	0.005277045	0.44214286
2533	0.015341702	0.35012626
2534	0.011389522	0.41239669
2535	0.008565310	0.43596491
2536	0.010075567	0.35416667
2537	0.022004890	0.24025847
2538	0.020356234	0.21725000
2539	0.026490066	0.39293155
2540	0.013927577	0.36115801
2541	0.005000000	0.17575216
2542	0.014326648	0.54166667
2543	0.017928287	0.44134199
2544	0.020997375	0.33299577
2545	0.005917160	0.28611111
2546	0.013157895	0.31126033
2547	0.012012012	0.34688961
2548	0.028571429	0.34256494
2549	0.014423077	0.32662338
2550	0.005649718	0.55000000
2551	0.009456265	0.37424242
2552	0.024590164	0.26041667
2553	0.021505376	0.28384587
2554	0.000000000	0.31526375
2555	0.010989011	0.20901989
2556	0.030303030	0.36186869
2557	0.021961933	0.45542208
2558	0.007272727	0.37066667
2559	0.002824859	0.33969238
2560	0.012931034	0.45333333

2561	0.004484305	0.47272727
2562	0.016666667	0.24834711
2563	0.000000000	0.00000000
2564	0.011945392	0.27469697

	min_positive_polarity	max_positive_polarity	avg_negative_polarity
1	0.10000000	0.70000000	-0.35000000
2	0.03333333	0.70000000	-0.11875000
3	0.10000000	1.00000000	-0.46666667
4	0.13636364	0.80000000	-0.36969697
5	0.03333333	1.00000000	-0.22019231
6	0.13636364	0.60000000	-0.19500000
7	0.10000000	1.00000000	-0.22447917
8	0.10000000	1.00000000	-0.24277778
9	0.40000000	0.80000000	-0.12500000
10	0.10000000	0.50000000	-0.23809524
11	0.10000000	1.00000000	-0.41506410
12	0.20000000	0.70000000	-0.26250000
13	0.20000000	0.70000000	-0.31041667
14	0.16000000	1.00000000	-0.33788889
15	0.13636364	0.50000000	-0.13869048
16	0.05000000	0.60000000	-0.22014991
17	0.10000000	1.00000000	-0.40143678
18	0.03333333	1.00000000	-0.14464286
19	0.03333333	0.50000000	-0.12500000
20	0.10000000	1.00000000	-0.22678571
21	0.10000000	1.00000000	-0.20654762
22	0.05000000	0.35000000	-0.10833333
23	0.10000000	1.00000000	-0.23026316
24	0.10000000	0.60000000	0.00000000
25	0.13636364	0.43333333	-0.45648148
26	0.25000000	0.35000000	-0.11666667
27	0.10000000	1.00000000	-0.26388889
28	0.05000000	1.00000000	-0.20229167
29	0.13636364	0.60000000	-0.17750000
30	0.03333333	1.00000000	-0.21388889
31	0.10000000	1.00000000	-0.24444444
32	0.10000000	0.60000000	-0.34166667
33	0.13636364	1.00000000	-0.17777778
34	0.05000000	1.00000000	-0.22916667
35	0.10000000	1.00000000	-0.40000000
36	0.13636364	0.50000000	-0.32013889
37	0.03333333	1.00000000	-0.23026316
38	0.03333333	0.60000000	-0.39285714
39	0.10000000	0.70000000	-0.23281250
40	0.10000000	1.00000000	0.00000000
41	0.06250000	1.00000000	-0.21488095
42	0.13636364	0.60000000	0.00000000
43	0.10000000	1.00000000	-0.21488095
44	0.05000000	1.00000000	-0.26973684
45	0.10000000	1.00000000	-0.22291667
46	0.20000000	0.50000000	-0.30000000
47	0.03333333	1.00000000	-0.23611111
48	0.10000000	0.85000000	-0.36388889
49	0.10000000	1.00000000	-0.20574074

50	0.10000000	1.00000000	-0.23154762
51	0.10000000	0.50000000	-0.40000000
52	0.05000000	1.00000000	-0.20490196
53	0.10000000	1.00000000	-0.23154762
54	0.10000000	1.00000000	-0.21547619
55	0.10000000	1.00000000	-0.21235450
56	0.05000000	0.70000000	-0.22579365
57	0.05000000	0.60000000	-0.33888889
58	0.03333333	0.70000000	-0.40000000
59	0.10000000	0.70000000	0.00000000
60	0.10000000	0.50000000	-0.29047619
61	0.10000000	1.00000000	-0.21944444
62	0.10000000	0.60000000	0.00000000
63	0.10000000	1.00000000	-0.21538462
64	0.03333333	0.50000000	-0.18940972
65	0.10000000	1.00000000	-0.21500000
66	0.05000000	0.60000000	-0.17239583
67	0.10000000	0.33333333	-0.15092593
68	0.03333333	0.80000000	-0.18888889
69	0.03333333	1.00000000	-0.16666667
70	0.10000000	0.75000000	-0.10000000
71	0.10000000	1.00000000	-0.31018518
72	0.10000000	1.00000000	-0.26041667
73	0.10000000	0.50000000	-0.28000000
74	0.10000000	1.00000000	-0.23750000
75	0.10000000	1.00000000	-0.21346154
76	0.10000000	0.80000000	-0.13035714
77	0.03333333	1.00000000	-0.37261905
78	0.06250000	1.00000000	-0.25773810
79	0.03333333	1.00000000	-0.31666667
80	0.16666667	1.00000000	-0.36666667
81	0.10000000	0.50000000	-0.17612847
82	0.13636364	0.80000000	-0.15000000
83	0.13636364	0.50000000	-0.27847222
84	0.10000000	0.50000000	-0.23500000
85	0.13636364	0.40000000	-0.30000000
86	0.10000000	1.00000000	-0.19803922
87	0.25000000	1.00000000	-0.49791667
88	0.06250000	0.80000000	0.00000000
89	0.06250000	1.00000000	-0.25826389
90	0.10000000	1.00000000	-0.22291667
91	0.10000000	1.00000000	-0.22291667
92	0.03333333	0.80000000	-0.40833333
93	0.16000000	0.60000000	-0.16250000
94	0.03333333	0.70000000	-0.34940476
95	0.03333333	1.00000000	-0.23342857
96	0.10000000	0.50000000	-0.13055556
97	0.10000000	1.00000000	-0.50208333
98	0.10000000	1.00000000	-0.29566667
99	0.06250000	1.00000000	-0.34983165
100	0.10000000	0.80000000	-0.28333333
101	0.10000000	0.50000000	-0.48125000
102	0.10000000	1.00000000	-0.21011905
103	0.10000000	1.00000000	-0.21346154

104	0.10000000	1.00000000	−0.18732493
105	0.10000000	0.70000000	−0.19305556
106	0.03333333	1.00000000	−0.28333333
107	0.03333333	1.00000000	−0.26076389
108	0.10000000	0.50000000	−0.18750000
109	0.03333333	1.00000000	−0.30000000
110	0.10000000	1.00000000	−0.26250000
111	0.03333333	1.00000000	−0.17013889
112	0.10000000	0.70000000	−0.11851852
113	0.10000000	1.00000000	−0.43333333
114	0.10000000	1.00000000	−0.32083333
115	0.10000000	1.00000000	−0.26764706
116	0.13636364	0.60000000	−0.34393939
117	0.10000000	0.50000000	−0.52380952
118	0.13636364	1.00000000	−0.34761905
119	0.03333333	0.80000000	−0.21164021
120	0.10000000	0.20000000	−0.20000000
121	0.10000000	0.70000000	−0.45625000
122	0.21428571	0.80000000	−0.12500000
123	0.13636364	0.50000000	0.00000000
124	0.10000000	1.00000000	−0.32222222
125	0.10000000	0.70000000	−0.11041667
126	0.03333333	0.35000000	0.00000000
127	0.10000000	1.00000000	−0.40833333
128	0.28571429	0.28571429	−0.12500000
129	0.20000000	0.60000000	−0.48214286
130	0.10000000	1.00000000	−0.28333333
131	0.03333333	1.00000000	−0.41333333
132	0.10000000	1.00000000	−0.28833333
133	0.06250000	1.00000000	−0.22291667
134	0.10000000	0.50000000	−0.32619048
135	0.10000000	1.00000000	−0.21538462
136	0.10000000	1.00000000	−0.30043290
137	0.13636364	0.70000000	−0.20833333
138	0.10000000	1.00000000	−0.37500000
139	0.10000000	0.80000000	−0.31708333
140	0.10000000	0.50000000	−0.11904762
141	0.10000000	1.00000000	−0.33125000
142	0.03333333	1.00000000	−0.24100529
143	0.03333333	0.50000000	0.00000000
144	0.03333333	0.75000000	−0.25000000
145	0.13636364	0.70000000	−0.41022727
146	0.70000000	1.00000000	−0.29583333
147	0.10000000	0.70000000	−0.23425926
148	0.05000000	1.00000000	−0.25601852
149	0.13636364	0.80000000	0.00000000
150	0.06250000	1.00000000	−0.24722222
151	0.50000000	0.60000000	−0.14791667
152	0.10000000	0.50000000	−0.34000000
153	0.16000000	0.85000000	−0.80000000
154	0.10000000	0.30000000	−0.12500000
155	0.10000000	0.50000000	0.00000000
156	0.10000000	0.60000000	−0.44500000
157	0.25000000	1.00000000	−0.58518519

158	0.10000000	1.00000000	-0.23481482
159	0.10000000	0.50000000	-0.25555556
160	0.13636364	0.80000000	-0.26971726
161	0.10000000	0.50000000	-0.31250000
162	0.10000000	0.50000000	-0.35449735
163	0.06250000	1.00000000	-0.29066667
164	0.10000000	1.00000000	-0.21858974
165	0.06250000	0.70000000	-0.22881944
166	0.13636364	0.85000000	-0.48333333
167	0.06250000	0.50000000	-0.11666667
168	0.10000000	1.00000000	-0.24423077
169	0.37500000	1.00000000	-0.28571429
170	0.10000000	0.60000000	-0.32500000
171	0.13636364	0.50000000	-0.38809524
172	0.10000000	1.00000000	-0.21223958
173	0.10000000	1.00000000	-0.10000000
174	0.13636364	0.40000000	-0.19444444
175	0.13636364	0.37500000	-0.34833333
176	0.05000000	0.70000000	-0.25000000
177	0.05000000	0.80000000	-0.54000000
178	0.03333333	1.00000000	-0.20803571
179	0.03333333	0.70000000	-0.42777778
180	0.03333333	1.00000000	-0.28796296
181	0.06250000	1.00000000	0.00000000
182	0.05000000	1.00000000	-0.39945833
183	0.13636364	0.50000000	-0.25000000
184	0.10000000	0.60000000	-0.34331502
185	0.13636364	0.80000000	-0.45238095
186	0.10000000	0.60000000	-0.21666667
187	0.05000000	0.80000000	-0.25333333
188	0.10000000	0.70000000	-0.16666667
189	0.13636364	0.80000000	-0.29791667
190	0.13636364	0.50000000	-0.35333333
191	0.03333333	1.00000000	-0.33858974
192	0.25000000	1.00000000	-0.16666667
193	0.10000000	1.00000000	-0.32520833
194	0.10000000	1.00000000	-0.21000000
195	0.06250000	1.00000000	-0.20625000
196	0.03333333	1.00000000	-0.36250000
197	0.10000000	0.80000000	-0.24375000
198	0.05000000	0.60000000	-0.22910053
199	0.10000000	0.60000000	-0.25178571
200	0.03333333	0.80000000	-0.22757937
201	0.13636364	0.85000000	-0.10000000
202	0.05000000	0.50000000	-0.21051587
203	0.03333333	0.60000000	-0.26944444
204	0.10000000	1.00000000	-0.22738095
205	0.03333333	0.10000000	0.00000000
206	0.06250000	0.70000000	-0.18111111
207	0.13636364	1.00000000	-0.33612745
208	0.10000000	1.00000000	-0.24705882
209	0.10000000	0.80000000	-0.14107143
210	0.05000000	0.90000000	-0.25833333
211	0.05000000	0.60000000	-0.09166667

212	0.20000000	0.70000000	-0.35000000
213	0.03333333	0.85000000	-0.31388889
214	0.03333333	0.90000000	-0.21403509
215	0.05000000	1.00000000	-0.27882653
216	0.10000000	0.80000000	-0.58750000
217	0.10000000	0.43333333	-0.07187500
218	0.10000000	0.60000000	-0.16851852
219	0.10000000	1.00000000	-0.40648148
220	0.10000000	0.50000000	-0.20000000
221	0.13636364	0.50000000	-0.38571429
222	0.10000000	0.50000000	-0.15625000
223	0.06250000	1.00000000	-0.24305556
224	0.13636364	0.90000000	-0.34027778
225	0.10000000	1.00000000	-0.21346154
226	0.03333333	0.75000000	-0.25000000
227	0.10000000	1.00000000	-0.23075397
228	0.03333333	1.00000000	-0.11349206
229	0.05000000	1.00000000	-0.36790123
230	0.05000000	0.85000000	-0.19744544
231	0.10000000	0.60000000	-0.13958333
232	0.10000000	0.60000000	-0.16666667
233	0.20000000	1.00000000	-0.27689394
234	0.10000000	0.80000000	-0.40666667
235	0.10000000	1.00000000	-0.24666667
236	0.10000000	1.00000000	-0.33035714
237	0.03333333	0.80000000	-0.18958333
238	0.10000000	0.50000000	-0.41785714
239	0.05000000	1.00000000	-0.25011574
240	0.10000000	1.00000000	-0.35000000
241	0.05000000	0.80000000	-0.25833333
242	0.05000000	0.60000000	-0.47291667
243	0.10000000	0.40000000	0.00000000
244	0.40000000	0.80000000	-0.27777778
245	0.10000000	0.50000000	-0.15555556
246	0.20000000	0.80000000	-0.46666667
247	0.10000000	1.00000000	-0.24362745
248	0.10000000	1.00000000	-0.24194678
249	0.03333333	1.00000000	-0.12500000
250	0.20000000	1.00000000	-0.20937500
251	0.10000000	0.50000000	-0.12500000
252	0.13636364	0.13636364	0.00000000
253	0.06250000	0.60000000	-0.24652778
254	0.10000000	1.00000000	-0.31214815
255	0.13636364	0.60000000	-0.15625000
256	0.10000000	0.50000000	-0.30351732
257	0.10000000	1.00000000	-0.22605042
258	0.13636364	0.13636364	-0.11041667
259	0.20000000	0.40000000	-0.17083333
260	0.20000000	0.70000000	-0.22757937
261	0.06250000	0.75000000	-0.23888889
262	0.10000000	1.00000000	-0.21250000
263	0.13636364	0.60000000	-0.24791667
264	0.06250000	0.90000000	-0.10833333
265	0.10000000	1.00000000	-0.36807292

266	0.06250000	0.80000000	-0.36722222
267	0.10000000	0.50000000	-0.30758929
268	0.03333333	0.60000000	-0.25000000
269	0.10000000	1.00000000	-0.23197279
270	0.20000000	0.50000000	-0.31250000
271	0.10000000	0.80000000	-0.40000000
272	0.10000000	0.50000000	-0.15555556
273	0.16000000	1.00000000	-0.43674242
274	0.03333333	0.55000000	-0.20714286
275	0.13636364	1.00000000	0.00000000
276	0.20000000	1.00000000	0.00000000
277	0.03333333	0.80000000	-0.20238095
278	0.10000000	1.00000000	-0.29196429
279	0.05000000	1.00000000	-0.19027778
280	0.13636364	1.00000000	-0.21250000
281	0.10000000	0.80000000	-0.25740741
282	0.10000000	1.00000000	-0.22857143
283	0.10000000	0.60000000	-0.26875000
284	0.25000000	0.80000000	-0.23333333
285	0.10000000	0.50000000	-0.27500000
286	0.03333333	1.00000000	-0.11666667
287	0.10000000	0.75000000	-0.33125000
288	0.06250000	0.70000000	-0.23374486
289	0.10000000	0.50000000	-0.18750000
290	0.10000000	1.00000000	-0.21477273
291	0.10000000	1.00000000	-0.19746032
292	0.05000000	1.00000000	-0.23883929
293	0.25000000	1.00000000	-0.24598765
294	0.10000000	1.00000000	-0.25666667
295	0.10000000	1.00000000	-0.32666667
296	0.10000000	1.00000000	-0.31212121
297	0.10000000	1.00000000	-0.45000000
298	0.10000000	1.00000000	-0.31250000
299	0.03333333	0.80000000	-0.35666667
300	0.06250000	1.00000000	-0.23875000
301	0.10000000	1.00000000	-0.26250000
302	0.13636364	0.80000000	-0.41416667
303	0.10000000	0.50000000	-0.23263889
304	0.10000000	0.50000000	-0.28333333
305	0.10000000	1.00000000	-0.30000000
306	0.16000000	0.60000000	-0.12685185
307	0.10000000	1.00000000	-0.28277778
308	0.10000000	0.50000000	-0.18333333
309	0.13636364	1.00000000	-0.15138889
310	0.10000000	0.70000000	-0.12314815
311	0.05000000	1.00000000	-0.10000000
312	0.03333333	0.60000000	-0.32000000
313	0.10000000	1.00000000	-0.38250000
314	0.05000000	1.00000000	-0.26704545
315	0.13636364	1.00000000	-0.39375000
316	0.25000000	1.00000000	-0.10000000
317	0.03333333	1.00000000	-0.28724937
318	0.10000000	0.60000000	-0.16250000
319	0.13636364	1.00000000	-0.35753968

320	0.03333333	0.80000000	−0.41896367
321	0.20000000	0.70000000	−0.45555556
322	0.10000000	1.00000000	−0.21607143
323	0.06250000	1.00000000	−0.12250000
324	0.10000000	1.00000000	−0.23839286
325	0.13636364	0.70000000	−0.35763889
326	0.10000000	1.00000000	−0.21346154
327	0.03333333	0.80000000	−0.23125000
328	0.50000000	0.50000000	−0.55166667
329	0.13636364	1.00000000	−0.21645299
330	0.10000000	1.00000000	−0.23095238
331	0.10000000	1.00000000	−0.22589286
332	0.06250000	0.90000000	−0.24675926
333	0.20000000	1.00000000	−0.13750000
334	0.10000000	0.83333333	−0.26489899
335	0.10000000	1.00000000	−0.24319292
336	0.10000000	0.60000000	−0.25138889
337	0.10000000	1.00000000	−0.25227273
338	0.13636364	0.80000000	−0.12500000
339	0.20000000	1.00000000	−0.08750000
340	0.10000000	1.00000000	−0.35868056
341	0.10000000	0.80000000	−0.28333333
342	0.05000000	0.70000000	−0.33958333
343	0.05000000	1.00000000	−0.21550926
344	0.10000000	0.50000000	−0.38333333
345	0.10000000	1.00000000	−0.25347222
346	0.03333333	0.50000000	−0.34166667
347	0.10000000	1.00000000	−0.23035714
348	0.05000000	1.00000000	−0.34722222
349	0.10000000	1.00000000	−0.31666667
350	0.10000000	1.00000000	−0.16620370
351	0.10000000	1.00000000	−0.35277778
352	0.10000000	0.60000000	0.00000000
353	0.10000000	1.00000000	−0.20069444
354	0.10000000	0.50000000	−0.16123016
355	0.10000000	0.85000000	−0.50000000
356	0.10000000	1.00000000	−0.26718750
357	0.03333333	1.00000000	−0.24814815
358	0.05000000	1.00000000	−0.43333333
359	0.10000000	0.80000000	−0.37731482
360	0.13636364	0.70000000	−0.40000000
361	0.05000000	0.85000000	−0.19253472
362	0.10000000	0.90000000	−0.24791667
363	0.03333333	0.80000000	−0.20555556
364	0.10000000	0.60000000	−0.39507937
365	0.05000000	0.15000000	−0.65714286
366	0.10000000	1.00000000	−0.07142857
367	0.10000000	0.70000000	−0.25625000
368	0.03333333	0.60000000	−0.20833333
369	0.10000000	1.00000000	−0.26250000
370	0.03333333	1.00000000	−0.33878968
371	0.05000000	1.00000000	−0.26021825
372	0.40000000	0.90000000	−0.30595238
373	0.10000000	0.80000000	−0.21574074

374	0.10000000	0.50000000	−0.12500000
375	0.03333333	0.90000000	−0.15092593
376	0.00000000	0.00000000	−0.30000000
377	0.03333333	0.80000000	−0.08750000
378	0.10000000	1.00000000	−0.47500000
379	0.05000000	1.00000000	−0.22114197
380	0.10000000	0.60000000	−0.15416667
381	0.10000000	0.60000000	−0.26041667
382	0.05000000	0.75000000	−0.16250000
383	0.13636364	0.80000000	−0.12500000
384	0.03333333	0.80000000	−0.39382440
385	0.20000000	0.90000000	−0.19982906
386	0.10000000	0.50000000	−0.14583333
387	0.10000000	1.00000000	−0.28472222
388	0.03333333	1.00000000	−0.12500000
389	0.16000000	1.00000000	−0.24768519
390	0.10000000	1.00000000	−0.32893519
391	0.10000000	1.00000000	−0.25000000
392	0.05000000	1.00000000	−0.14027778
393	0.03333333	1.00000000	−0.30336538
394	0.03333333	1.00000000	−0.20445956
395	0.10000000	1.00000000	−0.23653846
396	0.03333333	1.00000000	−0.26361607
397	0.10000000	1.00000000	−0.32500000
398	0.10000000	1.00000000	−0.39750000
399	0.03333333	1.00000000	−0.26770833
400	0.10000000	1.00000000	−0.22306548
401	0.10000000	1.00000000	−0.18503086
402	0.03333333	0.80000000	−0.10937500
403	0.03333333	0.80000000	−0.41666667
404	0.10000000	0.50000000	−0.10000000
405	0.50000000	0.80000000	−0.33344671
406	0.10000000	0.50000000	−0.27904762
407	0.05000000	0.80000000	−0.23055556
408	0.10000000	0.50000000	−0.58392857
409	0.05000000	1.00000000	−0.35227273
410	0.16000000	1.00000000	−0.31260417
411	0.10000000	1.00000000	−0.23055556
412	0.10000000	0.50000000	−0.12928571
413	0.25000000	0.50000000	−0.15000000
414	0.16000000	0.40000000	−0.13888889
415	0.05000000	0.50000000	−0.24375000
416	0.03333333	1.00000000	−0.44189815
417	0.10000000	0.60000000	−0.33125000
418	0.03333333	1.00000000	−0.13333333
419	0.03333333	0.90000000	−0.21562500
420	0.10000000	1.00000000	−0.26428571
421	0.10000000	0.50000000	−0.19444444
422	0.10000000	1.00000000	−0.24786325
423	0.06250000	1.00000000	−0.29372711
424	0.03333333	0.50000000	−0.06250000
425	0.10000000	0.85000000	−0.18944444
426	0.10000000	0.80000000	−0.16607143
427	0.03333333	1.00000000	−0.41166667

428	0.10000000	1.00000000	-0.49722222
429	0.05000000	1.00000000	-0.25277778
430	0.03333333	0.60000000	-0.38776042
431	0.03333333	0.60000000	-0.24469697
432	0.25000000	0.70000000	-0.16250000
433	0.03333333	0.80000000	-0.17083333
434	0.13636364	1.00000000	-0.18000000
435	0.03333333	1.00000000	-0.29388889
436	0.10000000	0.60000000	-0.38000000
437	0.10000000	0.50000000	-0.40000000
438	0.05000000	1.00000000	-0.43919913
439	0.03333333	0.70000000	-0.30748557
440	0.10000000	0.90000000	-0.19527778
441	0.10000000	0.50000000	-0.36458333
442	0.03333333	0.50000000	-0.24545454
443	0.03333333	0.60000000	-0.11666667
444	0.10000000	0.50000000	-0.42738095
445	0.13636364	1.00000000	-0.41150794
446	0.10000000	0.70000000	-0.27226191
447	0.10000000	1.00000000	-0.31408730
448	0.10000000	1.00000000	-0.35935847
449	0.03333333	1.00000000	-0.29570106
450	0.03333333	0.50000000	-0.11666667
451	0.20000000	0.70000000	-0.34391026
452	0.16666667	1.00000000	-0.12500000
453	0.10000000	1.00000000	-0.12013889
454	0.10000000	0.60000000	-0.38672840
455	0.03333333	1.00000000	-0.05000000
456	0.03333333	0.60000000	-0.30878685
457	0.03333333	1.00000000	-0.29861111
458	0.03333333	1.00000000	-0.20000000
459	0.13636364	0.50000000	-0.48125000
460	0.05000000	0.70000000	-0.24375000
461	0.03333333	0.50000000	-0.26144180
462	0.03333333	0.80000000	-0.26899802
463	0.03333333	1.00000000	-0.14166667
464	0.10000000	0.50000000	0.00000000
465	0.20000000	0.60000000	-0.26111111
466	0.03333333	0.50000000	-0.23055556
467	0.03333333	1.00000000	-0.30000000
468	0.13636364	0.50000000	-0.15555556
469	0.13636364	1.00000000	-0.68666667
470	0.05000000	0.80000000	-0.48679654
471	0.10000000	0.50000000	-0.08571429
472	0.03333333	0.80000000	-0.29285714
473	0.03333333	0.50000000	-0.18111111
474	0.10000000	0.50000000	-0.16250000
475	0.03333333	0.50000000	-0.27626488
476	0.05000000	0.75000000	-0.21041667
477	0.10000000	1.00000000	-0.23783069
478	0.40000000	0.70000000	-0.13055556
479	0.10000000	0.40000000	-0.34617347
480	0.10000000	0.80000000	-0.16111111
481	0.13636364	0.60000000	0.00000000

482	0.13636364	0.50000000	-0.14166667
483	0.10000000	1.00000000	-0.26006944
484	0.15000000	0.80000000	-0.50000000
485	0.03333333	0.80000000	-0.23437500
486	0.03333333	0.70000000	-0.17928571
487	0.06250000	1.00000000	-0.17954545
488	0.10000000	1.00000000	-0.28888889
489	0.10000000	0.80000000	-0.33875000
490	0.10000000	0.75000000	-0.25000000
491	0.03333333	0.80000000	-0.29282407
492	0.10000000	0.60000000	-0.29361111
493	0.03333333	1.00000000	-0.13472222
494	0.10000000	1.00000000	-0.14027778
495	0.03333333	1.00000000	-0.22321429
496	0.10000000	0.70000000	-0.44166667
497	0.03333333	1.00000000	-0.27862637
498	0.10000000	1.00000000	-0.34250000
499	0.03333333	1.00000000	-0.21468254
500	0.25000000	0.70000000	-0.34269231
501	0.10000000	0.50000000	-0.11250000
502	0.03333333	1.00000000	-0.33437500
503	0.13636364	0.70000000	0.00000000
504	0.03333333	0.80000000	-0.42976190
505	0.03333333	0.60000000	-0.14523810
506	0.06250000	1.00000000	-0.23703704
507	0.10000000	0.60000000	-0.10000000
508	0.10000000	0.70000000	-0.31785714
509	0.05000000	0.85000000	-0.25370370
510	0.13636364	0.70000000	-0.27750000
511	0.03333333	0.70000000	-0.38000000
512	0.13636364	0.55000000	-0.30972222
513	0.06250000	0.80000000	-0.30454546
514	0.10000000	0.90000000	-0.14472222
515	0.10000000	1.00000000	-0.29375000
516	0.25000000	1.00000000	0.00000000
517	0.13636364	0.60000000	-0.34444444
518	0.10000000	0.80000000	-0.21785714
519	0.10000000	0.50000000	-0.29523809
520	0.03333333	0.50000000	-0.17569444
521	0.10000000	1.00000000	-0.23112318
522	0.05000000	0.85000000	-0.38920068
523	0.10000000	0.80000000	-0.31805556
524	0.03333333	0.50000000	-0.30719955
525	0.20000000	1.00000000	-0.25000000
526	0.10000000	0.70000000	-0.26666667
527	0.10000000	1.00000000	-0.18888889
528	0.10000000	1.00000000	-0.41104167
529	0.10000000	1.00000000	-0.18916667
530	0.10000000	1.00000000	-0.33281250
531	0.03333333	0.75000000	-0.18500000
532	0.03333333	0.60000000	-0.12777778
533	0.03333333	0.60000000	-0.25555556
534	0.03333333	1.00000000	-0.24102891
535	0.03333333	0.80000000	-0.29102183

536	0.03333333	0.50000000	-0.08750000
537	0.10000000	1.00000000	-0.34642857
538	0.05000000	0.50000000	-0.41250000
539	0.06250000	0.50000000	-0.16666667
540	0.03333333	0.80000000	-0.24852608
541	0.20000000	0.70000000	-0.49375000
542	0.10000000	0.60000000	-0.21574074
543	0.10000000	0.25000000	-0.31250000
544	0.10000000	1.00000000	-0.38636364
545	0.10000000	0.70000000	-0.20000000
546	0.10000000	0.50000000	-0.20833333
547	0.10000000	0.37500000	-0.10000000
548	0.03333333	0.75000000	0.00000000
549	0.06250000	0.50000000	-0.32500000
550	0.20000000	1.00000000	-0.25625000
551	0.16000000	0.80000000	-0.25000000
552	0.06250000	0.80000000	-0.24104809
553	0.05000000	0.80000000	-0.20833333
554	0.03333333	0.80000000	-0.23680556
555	0.03333333	0.60000000	-0.15312500
556	0.03333333	0.85000000	-0.39145833
557	0.15000000	0.60000000	-0.62500000
558	0.10000000	0.50000000	-0.28416667
559	0.13636364	0.30000000	-0.18690476
560	0.10000000	0.50000000	-0.47681159
561	0.10000000	0.75000000	-0.29826389
562	0.03333333	0.75000000	-0.19642857
563	0.05000000	1.00000000	-0.25003157
564	0.03333333	0.90000000	-0.36287879
565	0.43333333	0.85000000	-0.20000000
566	0.28571429	0.30000000	0.00000000
567	0.10000000	0.80000000	-0.15625000
568	0.20000000	0.80000000	-0.35714286
569	0.03333333	0.60000000	-0.18888889
570	0.03333333	0.80000000	-0.27500000
571	0.13636364	0.50000000	-0.16250000
572	0.10000000	0.80000000	-0.27361111
573	0.10000000	0.80000000	-0.24375000
574	0.10000000	0.60000000	-0.30476190
575	0.03333333	1.00000000	-0.34204545
576	0.13636364	0.70000000	-0.11875000
577	0.03333333	0.60000000	-0.22666667
578	0.13636364	0.60000000	-0.62500000
579	0.20000000	0.60000000	-0.15555556
580	0.13636364	0.70000000	-0.20902778
581	0.03333333	0.50000000	-0.37187500
582	0.13636364	0.50000000	-0.15000000
583	0.13636364	0.60000000	-0.35416667
584	0.20000000	1.00000000	-0.38928571
585	0.10000000	1.00000000	-0.27083333
586	0.10000000	0.50000000	-0.17500000
587	0.03333333	0.60000000	-0.34236111
588	0.00000000	0.00000000	-0.21388889
589	0.10000000	0.80000000	0.00000000

590	0.10000000	1.00000000	−0.37333333
591	0.25000000	0.50000000	−0.14500000
592	0.03333333	1.00000000	−0.21101190
593	0.10000000	0.50000000	−0.18177083
594	0.03333333	1.00000000	−0.31695261
595	0.10000000	0.70000000	−0.31590909
596	0.06250000	0.60000000	−0.26701389
597	0.10000000	1.00000000	−0.36666667
598	0.13636364	0.50000000	−0.27500000
599	0.10000000	1.00000000	−0.18148148
600	0.10000000	1.00000000	−0.20759259
601	0.03333333	1.00000000	−0.18130952
602	0.03333333	0.70000000	−0.24609375
603	0.05000000	0.73333333	−0.23541667
604	0.10000000	1.00000000	−0.38916667
605	0.20000000	1.00000000	−0.30386905
606	0.10000000	0.50000000	−0.25000000
607	0.03333333	0.90000000	−0.12187500
608	0.10000000	1.00000000	−0.18750000
609	0.05000000	1.00000000	−0.35227273
610	0.13636364	0.70000000	−0.21979167
611	0.10000000	0.50000000	−0.51851852
612	0.03333333	0.75000000	−0.34512987
613	0.03333333	0.80000000	−0.45468750
614	0.10000000	1.00000000	−0.35625000
615	0.03333333	0.75000000	0.00000000
616	0.03333333	0.90000000	−0.31640625
617	0.03333333	1.00000000	−0.31681878
618	0.13636364	0.60000000	−0.12500000
619	0.03333333	0.50000000	−0.19345238
620	0.13636364	0.50000000	−0.23222222
621	0.03333333	1.00000000	−0.26817766
622	0.10000000	0.80000000	−0.46203704
623	0.10000000	1.00000000	−0.28637566
624	0.10000000	0.60000000	−0.26666667
625	0.10000000	0.60000000	−0.22685185
626	0.10000000	0.85000000	−0.35555556
627	0.13636364	1.00000000	−0.33333333
628	0.10000000	0.50000000	−0.23051215
629	0.03333333	1.00000000	−0.20747863
630	0.05000000	1.00000000	−0.24671202
631	0.10000000	1.00000000	−0.22916667
632	0.10000000	0.50000000	−0.25901360
633	0.03333333	1.00000000	−0.28201058
634	0.10000000	0.50000000	−0.12500000
635	0.16000000	0.80000000	−0.38541667
636	0.03333333	1.00000000	−0.24111111
637	0.05000000	1.00000000	−0.29756944
638	0.10000000	0.80000000	−0.21666667
639	0.10000000	0.20000000	0.00000000
640	0.10000000	1.00000000	−0.32244152
641	0.10000000	1.00000000	−0.28750000
642	0.03333333	1.00000000	−0.20000000
643	0.16000000	0.50000000	−0.25306122

644	0.03333333	0.50000000	-0.15000000
645	0.25000000	0.90000000	-0.16666667
646	0.50000000	0.73333333	-0.29166667
647	0.10000000	1.00000000	-0.23055556
648	0.03333333	0.50000000	0.00000000
649	0.40000000	0.40000000	-0.22222222
650	0.10000000	0.90000000	-0.13333333
651	0.10000000	0.70000000	-0.26666667
652	0.10000000	0.85000000	-0.15793651
653	0.25000000	0.70000000	-0.39583333
654	0.13636364	0.40000000	-0.25138889
655	0.03333333	1.00000000	-0.27341270
656	0.03333333	0.50000000	-0.26833333
657	0.10000000	0.80000000	-0.20625000
658	0.03333333	0.90000000	-0.22750000
659	0.13636364	0.85000000	-0.32500000
660	0.10000000	1.00000000	-0.16250000
661	0.13636364	0.55000000	-0.20714286
662	0.03333333	1.00000000	-0.35579365
663	0.25000000	0.70000000	0.00000000
664	0.40000000	1.00000000	-0.37152778
665	0.10000000	0.80000000	-0.22500000
666	0.03333333	0.75000000	-0.32256944
667	0.20000000	0.90000000	-0.15327381
668	0.03333333	0.03333333	-0.21250000
669	0.10000000	1.00000000	-0.22833333
670	0.13636364	0.70000000	-0.10000000
671	0.13636364	0.50000000	-0.47500000
672	0.13636364	0.40000000	0.00000000
673	0.10000000	1.00000000	-0.14722222
674	0.10000000	0.50000000	-0.12928571
675	0.10000000	1.00000000	-0.25808081
676	0.10000000	1.00000000	-0.25075758
677	0.03333333	0.60000000	-0.13958333
678	0.10000000	0.90000000	-0.53750000
679	0.20000000	1.00000000	-0.15500000
680	0.10000000	0.80000000	-0.31579670
681	0.03333333	1.00000000	-0.18596491
682	0.05000000	0.50000000	-0.11250000
683	0.03333333	1.00000000	-0.33858974
684	0.08333333	0.50000000	-0.35387807
685	0.20000000	0.60000000	-0.23928571
686	0.13636364	0.80000000	-0.18750000
687	0.06250000	0.60000000	-0.26666667
688	0.10000000	1.00000000	-0.44270833
689	0.03333333	1.00000000	-0.40416667
690	0.13636364	1.00000000	-0.20000000
691	0.30000000	1.00000000	-0.15416667
692	0.13636364	1.00000000	-0.18750000
693	0.06250000	0.70000000	-0.21250000
694	0.10000000	0.60000000	-0.10652778
695	0.10000000	1.00000000	-0.23562030
696	0.20000000	1.00000000	-0.33125000
697	0.13636364	0.75000000	-0.26444444

698	0.10000000	1.00000000	-0.38302469
699	0.10000000	0.80000000	-0.59819376
700	0.03333333	0.80000000	-0.05000000
701	0.13636364	0.20000000	-0.18125000
702	0.13636364	0.50000000	-0.35674603
703	0.05000000	0.80000000	-0.20787037
704	0.10000000	0.80000000	-0.15833333
705	0.16666667	1.00000000	-0.40000000
706	0.10000000	0.50000000	-0.32222222
707	0.03333333	0.80000000	-0.29898990
708	0.03333333	1.00000000	-0.25000000
709	0.00000000	0.00000000	-0.25000000
710	0.10000000	1.00000000	-0.21309524
711	0.03333333	1.00000000	-0.30406746
712	0.03333333	1.00000000	-0.23420139
713	0.10000000	0.80000000	-0.14603175
714	0.03333333	1.00000000	-0.70000000
715	0.05000000	0.85000000	-0.35000000
716	0.03333333	1.00000000	-0.46250000
717	0.03333333	0.70000000	-0.61590909
718	0.10000000	0.80000000	-0.25000000
719	0.10000000	0.50000000	-0.17000000
720	0.10000000	1.00000000	-0.22777778
721	0.05000000	0.50000000	-1.00000000
722	0.10000000	1.00000000	-0.22916667
723	0.05000000	1.00000000	-0.26172840
724	0.10000000	1.00000000	-0.40517241
725	0.13636364	1.00000000	-0.48000000
726	0.10000000	0.80000000	-0.15000000
727	0.20000000	0.80000000	0.00000000
728	0.10000000	1.00000000	-0.50000000
729	0.05000000	1.00000000	-0.26780303
730	0.05000000	1.00000000	-0.28270202
731	0.03333333	1.00000000	-0.22653770
732	0.05000000	0.80000000	-0.22885101
733	0.10000000	1.00000000	-0.75000000
734	0.03333333	0.50000000	-0.11666667
735	0.03333333	1.00000000	-0.17500000
736	0.13636364	0.25000000	-0.16666667
737	0.05000000	1.00000000	-0.36323529
738	0.05000000	0.80000000	-0.35750000
739	0.10000000	1.00000000	-0.36143791
740	0.10000000	1.00000000	-0.13888889
741	0.13636364	0.13636364	-0.60000000
742	0.06250000	1.00000000	-0.44444444
743	0.10000000	0.50000000	-0.42500000
744	0.50000000	0.50000000	-0.70000000
745	0.03333333	0.60000000	-0.21666667
746	0.10000000	0.50000000	-0.23750000
747	0.35000000	0.50000000	-0.25000000
748	0.10000000	1.00000000	-0.19682540
749	0.03333333	1.00000000	-0.34750000
750	0.03333333	1.00000000	-0.13194444
751	0.03333333	1.00000000	-0.32500000

752	0.20000000	0.60000000	-0.28935185
753	0.25000000	1.00000000	-0.07500000
754	0.10000000	0.50000000	-0.16000000
755	0.10000000	0.75000000	-0.12500000
756	0.16666667	0.80000000	-0.10000000
757	0.10000000	1.00000000	-0.29444444
758	0.10000000	1.00000000	-0.18680556
759	0.10000000	0.60000000	-0.15416667
760	0.03333333	0.50000000	-0.22261905
761	0.13636364	0.85000000	-0.21180556
762	0.03333333	0.80000000	-0.33103865
763	0.10000000	0.50000000	-0.23333333
764	0.03333333	1.00000000	-0.30000000
765	0.05000000	0.60000000	-0.40535714
766	0.03333333	0.60000000	-0.39351852
767	0.10000000	0.50000000	-0.16666667
768	0.10000000	1.00000000	-0.26029412
769	0.10000000	1.00000000	-0.14166667
770	0.10000000	1.00000000	-0.24876543
771	0.10000000	1.00000000	-0.13333333
772	0.10000000	1.00000000	-0.43750000
773	0.05000000	0.80000000	-0.46041667
774	0.05000000	1.00000000	0.00000000
775	0.05000000	0.70000000	-0.55500000
776	0.03333333	1.00000000	-0.25669516
777	0.20000000	0.50000000	-0.30000000
778	0.05000000	0.70000000	-0.49722222
779	0.10000000	1.00000000	-0.33845238
780	0.03333333	1.00000000	-0.20907738
781	0.05000000	0.50000000	-0.17500000
782	0.10000000	1.00000000	-0.23974359
783	0.03333333	1.00000000	-0.50000000
784	0.10000000	1.00000000	0.00000000
785	0.03333333	0.70000000	-0.17178571
786	0.10000000	1.00000000	-0.15500000
787	0.03333333	1.00000000	-0.13333333
788	0.06250000	1.00000000	-0.19290124
789	0.10000000	0.50000000	0.00000000
790	0.03333333	0.80000000	-0.50000000
791	0.03333333	1.00000000	-0.22222222
792	0.03333333	1.00000000	-0.26191239
793	0.10000000	1.00000000	-0.22500000
794	0.10000000	1.00000000	-0.52500000
795	0.13636364	0.40000000	0.00000000
796	0.03333333	1.00000000	-0.14375000
797	0.13636364	0.50000000	-0.15625000
798	0.10000000	0.50000000	-0.25000000
799	0.10000000	0.80000000	-0.15333333
800	0.13636364	0.50000000	-0.33333333
801	0.10000000	1.00000000	-0.33531746
802	0.13636364	1.00000000	-0.17708333
803	0.03333333	0.60000000	-0.46500000
804	0.10000000	0.85000000	-0.32017974
805	0.03333333	1.00000000	-0.29687500

806	0.10000000	0.80000000	-0.14338624
807	0.10000000	0.50000000	-0.25000000
808	0.16000000	0.16000000	-0.25000000
809	0.10000000	1.00000000	-0.28333333
810	0.05000000	1.00000000	-0.28833333
811	0.03333333	1.00000000	-0.11250000
812	0.03333333	1.00000000	-0.23163265
813	0.10000000	0.60000000	-0.21333333
814	0.03333333	1.00000000	-0.24008838
815	0.03333333	0.50000000	-0.20833333
816	0.10000000	0.70000000	-0.21666667
817	0.13636364	0.60000000	-0.30000000
818	0.13636364	0.60000000	-0.33506944
819	0.10000000	0.50000000	-0.40000000
820	0.13636364	0.40000000	-0.40833333
821	0.10000000	0.80000000	-0.16836219
822	0.20000000	0.60000000	-0.31746032
823	0.10000000	1.00000000	-0.25740741
824	0.10000000	0.50000000	-0.36666667
825	0.13636364	0.50000000	-0.33333333
826	0.03333333	1.00000000	-0.19312866
827	0.10000000	1.00000000	-0.34305556
828	0.10000000	1.00000000	-0.32152778
829	0.03333333	0.80000000	-0.19507576
830	0.03333333	0.70000000	-0.24656863
831	0.10000000	0.50000000	-0.12500000
832	0.10000000	0.40000000	0.00000000
833	0.05000000	1.00000000	-0.19833333
834	0.03333333	1.00000000	-0.35707283
835	0.10000000	0.70000000	-0.18561699
836	0.10000000	0.70000000	-0.29722222
837	0.20000000	0.50000000	-0.20000000
838	0.10000000	0.55000000	-0.21388889
839	0.10000000	0.75000000	-0.25608466
840	0.06250000	0.60000000	-0.28035714
841	0.20000000	0.41666667	-0.13750000
842	0.10000000	1.00000000	-0.31294872
843	0.28571429	0.70000000	-0.55000000
844	0.10000000	0.60000000	-0.43630952
845	0.03333333	0.80000000	-0.30000000
846	0.03333333	0.70000000	-0.41666667
847	0.03333333	0.50000000	-0.40000000
848	0.10000000	0.70000000	0.00000000
849	0.10000000	0.80000000	-0.29007936
850	0.10000000	0.90000000	-0.20138889
851	0.13636364	1.00000000	-0.12916667
852	0.10000000	0.60000000	-0.22083333
853	0.10000000	1.00000000	-0.21823344
854	0.05000000	0.60000000	-0.19386201
855	0.10000000	1.00000000	-0.25000000
856	0.03333333	1.00000000	-0.30166667
857	0.20000000	0.70000000	0.00000000
858	0.10000000	0.80000000	-0.21792929
859	0.30000000	0.70000000	0.00000000

860	0.05000000	0.50000000	-0.26865079
861	0.10000000	0.50000000	-0.20000000
862	0.13636364	1.00000000	-0.07142857
863	0.13636364	1.00000000	-0.38194444
864	0.05000000	0.60000000	-0.26060606
865	0.03333333	0.70000000	-0.17500000
866	0.13636364	0.60000000	-0.20000000
867	0.13636364	0.80000000	0.00000000
868	0.10000000	0.16666667	-0.20000000
869	0.05000000	0.60000000	-0.30416667
870	0.13636364	0.50000000	-0.27500000
871	0.05000000	0.80000000	-0.36875000
872	0.03333333	0.70000000	-0.16875000
873	0.13636364	0.60000000	-0.16316138
874	0.03333333	0.50000000	-0.33209877
875	0.10000000	0.80000000	-0.25833333
876	0.10000000	1.00000000	-0.43888889
877	0.10000000	1.00000000	-0.38325163
878	0.10000000	1.00000000	-0.29772080
879	0.40000000	1.00000000	-0.54166667
880	0.10000000	0.10000000	0.00000000
881	0.16666667	0.60000000	-0.12425595
882	0.10000000	0.80000000	-0.20000000
883	0.10000000	0.70000000	-0.21342593
884	0.06250000	1.00000000	0.00000000
885	0.13636364	0.50000000	-0.15000000
886	0.25000000	1.00000000	-0.68000000
887	0.05000000	0.70000000	-0.35625000
888	0.10000000	1.00000000	-0.24107143
889	0.10000000	0.90000000	-0.53333333
890	0.10000000	0.50000000	-0.23154762
891	0.05000000	1.00000000	-0.23513072
892	0.10000000	1.00000000	-0.37500000
893	0.03333333	0.50000000	-0.25448718
894	0.00000000	0.00000000	0.00000000
895	0.10000000	1.00000000	-0.41269841
896	0.03333333	0.80000000	-0.30833333
897	0.10000000	0.60000000	-0.11250000
898	0.03333333	0.60000000	-0.26250000
899	0.10000000	1.00000000	-0.40000000
900	0.10000000	1.00000000	-0.20952381
901	0.10000000	1.00000000	-0.20580808
902	0.20000000	0.50000000	-0.21944444
903	0.25000000	0.50000000	-0.21944444
904	0.03333333	1.00000000	-0.14444444
905	0.13636364	0.50000000	-0.13333333
906	0.10000000	1.00000000	-0.25583333
907	0.10000000	0.80000000	-0.23944444
908	0.03333333	0.80000000	-0.32740741
909	0.16666667	0.50000000	0.00000000
910	0.50000000	1.00000000	-0.32361111
911	0.33333333	1.00000000	-0.14791667
912	0.03333333	1.00000000	-0.24453463
913	0.10000000	1.00000000	-0.21666667

914	0.10000000	1.00000000	-0.21593915
915	0.03333333	0.60000000	-0.37500000
916	0.10000000	0.60000000	-0.24075964
917	0.05000000	0.60000000	-0.15416667
918	0.00000000	0.00000000	0.00000000
919	0.20000000	0.50000000	-0.19027778
920	0.10000000	0.70000000	-0.45833333
921	0.25000000	0.80000000	0.00000000
922	0.03333333	1.00000000	-0.25098380
923	0.20000000	0.50000000	-0.23611111
924	0.13636364	0.70000000	-0.15648148
925	0.03333333	0.50000000	-0.24908234
926	0.03333333	0.70000000	-0.22525253
927	0.10000000	0.50000000	-0.12361111
928	0.05000000	0.60000000	-0.31358025
929	0.10000000	1.00000000	-0.16574074
930	0.10000000	1.00000000	-0.27361111
931	0.20000000	1.00000000	-0.60000000
932	0.10000000	1.00000000	-0.18333333
933	0.03333333	1.00000000	-0.05000000
934	0.06250000	1.00000000	-0.21602830
935	0.03333333	0.80000000	-0.31250000
936	0.13636364	0.50000000	0.00000000
937	0.03333333	1.00000000	-0.14768518
938	0.13636364	0.60000000	-0.23284970
939	0.13636364	0.70000000	-0.22833333
940	0.10000000	1.00000000	-0.18508772
941	0.10000000	0.50000000	-0.20833333
942	0.10000000	0.60000000	-0.08750000
943	0.10000000	0.50000000	-1.00000000
944	0.05000000	0.70000000	-0.40000000
945	0.10000000	1.00000000	-0.26489899
946	0.10000000	0.75000000	-0.16666667
947	0.10000000	0.70000000	-0.29629630
948	0.10000000	0.70000000	-0.20000000
949	0.10000000	1.00000000	-0.21250000
950	0.10000000	0.80000000	-0.24047619
951	0.03333333	0.80000000	-0.35625000
952	0.16666667	1.00000000	-0.39166667
953	0.03333333	0.40000000	-0.30000000
954	0.03333333	0.80000000	-0.20312500
955	0.37500000	0.50000000	-0.31944444
956	0.13636364	0.80000000	-0.70000000
957	0.03333333	0.80000000	-0.34898990
958	0.10000000	0.50000000	-0.28333333
959	0.05000000	1.00000000	-0.27857143
960	0.10000000	0.70000000	-0.40000000
961	0.33333333	0.50000000	0.00000000
962	0.10000000	1.00000000	-0.27660819
963	0.03333333	0.50000000	-0.30138889
964	0.05000000	1.00000000	-0.35416667
965	0.20000000	0.60000000	-0.30000000
966	0.10000000	0.80000000	-0.20623583
967	0.03333333	1.00000000	-0.31666667

968	0.10000000	0.50000000	-0.24791667
969	0.13636364	0.50000000	-0.18750000
970	0.10000000	0.60000000	-0.12500000
971	0.03333333	0.80000000	-0.28555556
972	0.10000000	1.00000000	-0.36000000
973	0.10000000	0.50000000	-0.21250000
974	0.03333333	1.00000000	-0.27222222
975	0.03333333	1.00000000	-0.26924603
976	0.03333333	0.80000000	-0.13541667
977	0.10000000	0.50000000	-0.20000000
978	0.03333333	1.00000000	-0.28416667
979	0.10000000	0.80000000	-0.18273809
980	0.05000000	0.80000000	-0.27321429
981	0.20000000	1.00000000	-0.40138889
982	0.03333333	0.16000000	-0.20000000
983	0.03333333	1.00000000	-0.26732456
984	0.10000000	0.50000000	-0.47500000
985	0.05000000	0.50000000	-0.22500000
986	0.10000000	1.00000000	-0.38888889
987	0.10000000	0.90000000	-0.21071429
988	0.13636364	0.60000000	-0.41166667
989	0.06250000	1.00000000	-0.31735744
990	0.10000000	1.00000000	-0.14839744
991	0.10000000	0.50000000	-0.38333333
992	0.03333333	0.50000000	-0.28888889
993	0.05000000	0.80000000	-0.15312500
994	0.50000000	0.50000000	-0.22777778
995	0.10000000	0.85000000	-0.15000000
996	0.06250000	0.50000000	-0.26250000
997	0.03333333	0.60000000	-0.21093750
998	0.20000000	0.70000000	-0.40306122
999	0.10000000	1.00000000	-0.14246032
1000	0.10000000	0.60000000	-0.27916667
1001	0.10000000	1.00000000	0.00000000
1002	0.20000000	0.50000000	-0.12166667
1003	0.10000000	0.50000000	-0.22185847
1004	0.10000000	0.60000000	-0.40833333
1005	0.10000000	1.00000000	-0.24687500
1006	0.10000000	0.90000000	-0.30245944
1007	0.13636364	1.00000000	-0.26488095
1008	0.21428571	0.60000000	-0.12500000
1009	0.03333333	1.00000000	-0.05000000
1010	0.05000000	1.00000000	-0.22434640
1011	0.10000000	0.70000000	-0.10000000
1012	0.03333333	0.90000000	-0.33796296
1013	0.03333333	1.00000000	-0.25000000
1014	0.00000000	0.00000000	-0.36666667
1015	0.10000000	0.50000000	-0.20000000
1016	0.10000000	0.60000000	-0.26018518
1017	0.10000000	0.70000000	-0.16337868
1018	0.05000000	0.90000000	-0.11666667
1019	0.10000000	1.00000000	-0.20602679
1020	0.10000000	0.60000000	-0.32333333
1021	0.03333333	0.50000000	-0.21527778

1022	0.10000000	1.00000000	−0.20347222
1023	0.10000000	0.75000000	−0.16342593
1024	0.10000000	1.00000000	−0.35277778
1025	0.10000000	1.00000000	−0.21129630
1026	0.20000000	0.40000000	−0.28888889
1027	0.35000000	1.00000000	−0.42222222
1028	0.10000000	0.80000000	−0.15601852
1029	0.03333333	0.50000000	−0.35436508
1030	0.05000000	1.00000000	−0.72222222
1031	0.03333333	0.80000000	−0.30711111
1032	0.05000000	1.00000000	−0.30532407
1033	0.13636364	1.00000000	−0.14583333
1034	0.10000000	0.70000000	−0.18623321
1035	0.10000000	0.85000000	−0.31905864
1036	0.03333333	0.60000000	−0.27569444
1037	0.10000000	0.70000000	−0.31282051
1038	0.03333333	1.00000000	−0.16250000
1039	0.10000000	0.50000000	−0.19074074
1040	0.03333333	0.80000000	−0.36602564
1041	0.13636364	0.43333333	−0.14583333
1042	0.10000000	1.00000000	−0.22440476
1043	0.05000000	0.60000000	−0.32581018
1044	0.10000000	1.00000000	−0.26888889
1045	0.13636364	0.60000000	−0.31250000
1046	0.03333333	0.60000000	−0.29047619
1047	0.10000000	0.37500000	−0.33750000
1048	0.10000000	1.00000000	−0.25833333
1049	0.10000000	1.00000000	−0.27509259
1050	0.03333333	1.00000000	−0.25055556
1051	0.10000000	0.70000000	−0.20184109
1052	0.03333333	0.70000000	−0.30416667
1053	0.20000000	0.70000000	−0.31851852
1054	0.10000000	0.90000000	−0.24652778
1055	0.13636364	0.50000000	−0.12083333
1056	0.06250000	1.00000000	−0.18348214
1057	0.13636364	0.50000000	−0.16160714
1058	0.03333333	0.80000000	−0.40000000
1059	0.03333333	1.00000000	−0.26403770
1060	0.03333333	1.00000000	−0.19722222
1061	0.10000000	0.80000000	−0.26062271
1062	0.20000000	0.60000000	−0.53560606
1063	0.00000000	0.00000000	0.00000000
1064	0.03333333	0.50000000	−0.15833333
1065	0.10000000	1.00000000	−0.32000000
1066	0.30000000	1.00000000	−0.36500000
1067	0.10000000	0.80000000	0.00000000
1068	0.03333333	0.80000000	−0.26677778
1069	0.03333333	0.80000000	−0.25154321
1070	0.03333333	0.43333333	−0.27812500
1071	0.10000000	0.80000000	−0.14154589
1072	0.10000000	0.80000000	−0.29166667
1073	0.10000000	0.70000000	−0.29530423
1074	0.10000000	0.70000000	−0.12500000
1075	0.10000000	0.60000000	−0.30777778

1076	0.10000000	0.90000000	-0.26203704
1077	0.03333333	1.00000000	-0.19362875
1078	0.13636364	0.37500000	-0.09821429
1079	0.10000000	0.70000000	-0.14444444
1080	0.50000000	0.50000000	-0.24687500
1081	0.10000000	0.80000000	0.00000000
1082	0.13636364	0.30000000	-0.44166667
1083	0.06250000	1.00000000	-0.08888889
1084	0.03333333	0.80000000	-0.09702381
1085	0.05000000	1.00000000	-0.43281671
1086	0.10000000	1.00000000	-0.40000000
1087	0.10000000	0.80000000	-0.17870370
1088	0.06250000	1.00000000	-0.32800926
1089	0.06250000	1.00000000	-0.55500000
1090	0.10000000	1.00000000	-0.11428571
1091	0.03333333	0.70000000	-0.27305556
1092	0.06250000	0.50000000	-0.16666667
1093	0.06250000	1.00000000	-0.23214286
1094	0.05000000	0.80000000	0.00000000
1095	0.20000000	0.60000000	-0.35625000
1096	0.03333333	1.00000000	-0.23931624
1097	0.10000000	0.80000000	-0.33333333
1098	0.10000000	1.00000000	-0.40000000
1099	0.10000000	1.00000000	-0.30555556
1100	0.10000000	0.80000000	-0.19783272
1101	0.10000000	0.80000000	-0.30500000
1102	0.05000000	0.80000000	-0.22861111
1103	0.05000000	0.80000000	-0.32430556
1104	0.10000000	1.00000000	-0.23428571
1105	0.16000000	1.00000000	-0.32011111
1106	0.10000000	0.80000000	-0.22283951
1107	0.13636364	0.25000000	-0.45000000
1108	0.10000000	0.80000000	-0.15069444
1109	0.03333333	0.60000000	-0.31891026
1110	0.03333333	0.70000000	-0.25505050
1111	0.10000000	1.00000000	-0.35984848
1112	0.03333333	0.50000000	-0.14331502
1113	0.20000000	0.60000000	-0.47539683
1114	0.03333333	1.00000000	-0.25555556
1115	0.10000000	1.00000000	-0.41853742
1116	0.10000000	0.70000000	-0.21101852
1117	0.10000000	0.80000000	-0.28945932
1118	0.10000000	0.50000000	-0.31319444
1119	0.03333333	1.00000000	-0.37200728
1120	0.10000000	1.00000000	-0.23778345
1121	0.05000000	1.00000000	-0.26858237
1122	0.00000000	0.00000000	0.00000000
1123	0.03333333	0.50000000	-0.34166667
1124	0.03333333	1.00000000	-0.36319444
1125	0.10000000	1.00000000	-0.30974359
1126	0.16000000	1.00000000	-0.33858974
1127	0.10000000	0.70000000	-0.28333333
1128	0.03333333	0.60000000	0.00000000
1129	0.06250000	1.00000000	-0.20416667

1130	0.03333333	0.80000000	-0.17503720
1131	0.10000000	0.80000000	-0.31093750
1132	0.10000000	0.60000000	-0.32291667
1133	0.10000000	0.60000000	-0.12500000
1134	0.06250000	1.00000000	-0.38044218
1135	0.03333333	1.00000000	-0.18437500
1136	0.13636364	0.60000000	-0.29791667
1137	0.03333333	0.30000000	-0.33611111
1138	0.03333333	1.00000000	-0.16562500
1139	0.10000000	1.00000000	-0.24583333
1140	0.10000000	0.70000000	-0.28333333
1141	0.20000000	1.00000000	-0.16666667
1142	0.37500000	0.37500000	-0.43333333
1143	0.10000000	1.00000000	-0.10000000
1144	0.03333333	0.80000000	-0.19338624
1145	0.03333333	1.00000000	-0.29713542
1146	0.10000000	1.00000000	-0.39608135
1147	0.10000000	0.70000000	-0.56111111
1148	0.03333333	1.00000000	-0.38854167
1149	0.03333333	0.50000000	0.00000000
1150	0.03333333	1.00000000	-0.17916667
1151	0.10000000	0.50000000	-0.50000000
1152	0.10000000	0.50000000	-0.20000000
1153	0.10000000	0.50000000	-0.28333333
1154	0.10000000	1.00000000	-0.19230769
1155	0.05000000	0.50000000	-0.12685185
1156	0.21428571	0.70000000	-0.14166667
1157	0.10000000	0.70000000	-0.22500000
1158	0.20000000	0.50000000	-0.20899471
1159	0.03333333	0.80000000	-0.27045454
1160	0.10000000	0.60000000	-0.28854167
1161	0.10000000	0.66666667	-0.23988095
1162	0.03333333	1.00000000	-0.35000000
1163	0.10000000	1.00000000	-0.27395833
1164	0.10000000	1.00000000	-0.39375000
1165	0.10000000	1.00000000	-0.16666667
1166	0.10000000	1.00000000	-0.50000000
1167	0.10000000	0.37500000	-0.29611111
1168	0.10000000	0.60000000	-0.18000000
1169	0.10000000	0.50000000	-0.14000000
1170	0.05000000	1.00000000	-0.35750000
1171	0.10000000	0.70000000	-0.42214286
1172	0.13636364	1.00000000	-0.18000000
1173	0.16666667	0.70000000	-0.27638889
1174	0.20000000	0.75000000	-0.14682540
1175	0.13636364	0.50000000	-0.18750000
1176	0.03333333	1.00000000	-0.41611111
1177	0.41666667	0.50000000	-0.80000000
1178	0.10000000	1.00000000	-0.23402778
1179	0.06250000	0.80000000	-0.19500000
1180	0.03333333	1.00000000	-0.20677083
1181	0.13636364	0.90000000	-0.18750000
1182	0.03333333	1.00000000	-0.28333333
1183	0.16000000	0.60000000	-0.24190705

1184	0.10000000	1.00000000	-0.32695707
1185	0.03333333	0.50000000	-0.16666667
1186	0.05000000	0.80000000	-0.23425926
1187	0.13636364	0.50000000	-0.32777778
1188	0.03333333	0.70000000	-0.26140351
1189	0.05000000	0.80000000	0.00000000
1190	0.03333333	0.50000000	-0.37500000
1191	0.03333333	0.60000000	-0.30238095
1192	0.05000000	0.60000000	-0.14603175
1193	0.03333333	0.60000000	-0.15972222
1194	0.10000000	1.00000000	-0.21780045
1195	0.10000000	0.50000000	-0.18333333
1196	0.05000000	0.60000000	-0.30000000
1197	0.10000000	0.75000000	-0.07685185
1198	0.05000000	1.00000000	-0.25000000
1199	0.20000000	0.60000000	-0.21130952
1200	0.13636364	0.43333333	-0.39404762
1201	0.10000000	0.60000000	-0.28500000
1202	0.05000000	0.60000000	-0.26862745
1203	0.10000000	1.00000000	-0.27083333
1204	0.30000000	0.50000000	-0.12777778
1205	0.21428571	0.60000000	-0.11190476
1206	0.10000000	0.70000000	-0.24333333
1207	0.10000000	1.00000000	-0.29583333
1208	0.03333333	1.00000000	-0.29886831
1209	0.13636364	0.80000000	0.00000000
1210	0.03333333	1.00000000	-0.16079932
1211	0.06250000	0.80000000	-0.31666667
1212	0.06250000	0.60000000	-0.18600427
1213	0.13636364	0.50000000	-0.26388889
1214	0.10000000	1.00000000	-0.23327778
1215	0.03333333	1.00000000	-0.27361111
1216	0.03333333	0.80000000	-0.24387255
1217	0.03333333	1.00000000	-0.27883598
1218	0.13636364	1.00000000	-0.30894097
1219	0.03333333	0.80000000	-0.33583333
1220	0.03333333	1.00000000	-0.31141304
1221	0.20000000	0.60000000	0.00000000
1222	0.10000000	0.50000000	-0.35000000
1223	0.10000000	1.00000000	-0.60000000
1224	0.10000000	1.00000000	-0.28581049
1225	0.25000000	0.60000000	-0.20833333
1226	0.10000000	0.50000000	0.00000000
1227	0.03333333	1.00000000	-0.34066820
1228	0.13636364	0.70000000	-0.32806122
1229	0.03333333	0.60000000	-0.14583333
1230	0.10000000	1.00000000	-0.29935185
1231	0.21428571	1.00000000	-1.00000000
1232	0.03333333	1.00000000	-0.40000000
1233	0.06250000	1.00000000	-0.23601190
1234	0.03333333	0.80000000	0.00000000
1235	0.03333333	0.60000000	-0.11278660
1236	0.10000000	0.70000000	-0.16259259
1237	0.06250000	1.00000000	-0.17428571

1238	0.05000000	0.50000000	−0.40000000
1239	0.05000000	1.00000000	−0.31790124
1240	0.05000000	1.00000000	−0.44017857
1241	0.13636364	1.00000000	0.00000000
1242	0.10000000	1.00000000	0.00000000
1243	0.10000000	0.60000000	−0.29750000
1244	0.13636364	0.80000000	−0.75000000
1245	0.10000000	0.90000000	−0.24972222
1246	0.10000000	0.50000000	−0.32250000
1247	0.06250000	0.50000000	−0.23750000
1248	0.10000000	1.00000000	−0.35192308
1249	0.50000000	1.00000000	−0.67500000
1250	0.03333333	0.37500000	−0.16666667
1251	0.10000000	0.50000000	−0.35046296
1252	0.10000000	0.80000000	−0.22500000
1253	0.10000000	1.00000000	−0.14629630
1254	0.05000000	0.50000000	−0.14444444
1255	0.20000000	1.00000000	−0.18425926
1256	0.10000000	0.50000000	−0.13148148
1257	0.10000000	0.70000000	−0.20225694
1258	0.16666667	0.80000000	0.00000000
1259	0.10000000	0.50000000	−0.50000000
1260	0.05000000	0.80000000	−0.34097222
1261	0.10000000	0.75000000	−0.48055556
1262	0.08333333	0.80000000	−0.24313725
1263	0.06250000	1.00000000	−0.32023810
1264	0.06250000	1.00000000	−0.18174603
1265	0.16000000	1.00000000	−0.48666667
1266	0.03333333	0.90000000	−0.08571429
1267	0.10000000	0.60000000	−0.16944444
1268	0.20000000	0.70000000	−0.16666667
1269	0.20000000	0.50000000	0.00000000
1270	0.03333333	0.75000000	−0.33463719
1271	0.10000000	1.00000000	−0.80000000
1272	0.10000000	0.85000000	0.00000000
1273	0.13636364	0.50000000	−0.12777778
1274	0.10000000	1.00000000	−0.17380952
1275	0.16000000	0.80000000	−0.13750000
1276	0.10000000	0.25000000	−0.18472222
1277	0.10000000	1.00000000	−0.21666667
1278	0.03333333	0.80000000	−0.32450690
1279	0.35000000	1.00000000	−0.29166667
1280	0.13636364	0.37500000	−0.16388889
1281	0.10000000	0.80000000	−0.09027778
1282	0.03333333	0.60000000	−0.32222222
1283	0.03333333	0.75000000	−0.19166667
1284	0.03333333	0.85000000	−0.30370370
1285	0.03333333	0.90000000	−0.36626984
1286	0.13636364	0.80000000	−0.10833333
1287	0.10000000	1.00000000	−0.22440476
1288	0.10000000	0.90000000	−0.33958333
1289	0.10000000	1.00000000	−0.21197917
1290	0.03333333	1.00000000	−0.21596120
1291	0.05000000	0.80000000	−0.27446581

1292	0.10000000	1.00000000	-0.07142857
1293	0.10000000	1.00000000	-0.37462121
1294	0.05000000	0.80000000	-0.24915413
1295	0.10000000	1.00000000	-0.26712963
1296	0.20000000	0.50000000	-0.30416667
1297	0.03333333	0.50000000	-0.57222222
1298	0.03333333	0.90000000	-0.19722222
1299	0.13636364	1.00000000	-0.21000000
1300	0.03333333	1.00000000	-0.18510101
1301	0.03333333	1.00000000	-0.18805556
1302	0.13636364	0.60000000	-0.31250000
1303	0.03333333	1.00000000	-0.30000000
1304	0.10000000	0.50000000	-0.54166667
1305	0.03333333	0.70000000	-0.15000000
1306	0.25000000	0.50000000	-0.32708333
1307	0.03333333	0.80000000	-0.21064815
1308	0.20000000	0.25000000	-0.29166667
1309	0.10000000	0.50000000	0.00000000
1310	0.05000000	0.50000000	-0.25000000
1311	0.05000000	0.60000000	-0.30000000
1312	0.50000000	0.60000000	-0.12500000
1313	0.00000000	0.00000000	0.00000000
1314	0.05000000	1.00000000	-0.29638889
1315	0.03333333	1.00000000	-0.29289966
1316	0.10000000	0.60000000	-0.23214286
1317	0.10000000	1.00000000	-0.11269841
1318	0.10000000	1.00000000	-0.23888889
1319	0.10000000	0.33333333	-0.35396825
1320	0.03333333	1.00000000	-0.15000000
1321	0.10000000	0.60000000	-0.12976191
1322	0.13636364	0.50000000	-0.30416667
1323	0.13636364	0.60000000	-0.20250000
1324	0.03333333	1.00000000	-0.16684473
1325	0.10000000	0.50000000	-0.40000000
1326	0.03333333	1.00000000	-0.56250000
1327	0.10000000	1.00000000	-0.13660714
1328	0.13636364	0.60000000	-0.11666667
1329	0.13636364	0.80000000	-0.18750000
1330	0.20000000	1.00000000	-0.24583333
1331	0.10000000	1.00000000	-0.18000000
1332	0.10000000	0.75000000	-0.41111111
1333	0.10000000	1.00000000	-0.19444444
1334	0.03333333	0.50000000	-0.25892857
1335	0.13636364	0.66666667	-0.21964286
1336	0.03333333	1.00000000	-0.20193191
1337	0.00000000	0.00000000	0.00000000
1338	0.10000000	0.80000000	-0.17777778
1339	0.03333333	0.80000000	-0.23339947
1340	0.13636364	0.50000000	-0.06071429
1341	0.20000000	0.20000000	0.00000000
1342	0.13636364	0.50000000	0.00000000
1343	0.13636364	0.50000000	-0.12500000
1344	0.03333333	1.00000000	-0.29319048
1345	0.03333333	1.00000000	-0.23625953

1346	0.10000000	0.85000000	-0.18240741
1347	0.03333333	1.00000000	-0.26626984
1348	0.10000000	0.50000000	-0.28333333
1349	0.03333333	0.60000000	-0.10000000
1350	0.03333333	1.00000000	-0.34944444
1351	0.06250000	0.50000000	-0.32948718
1352	0.03333333	1.00000000	0.00000000
1353	0.00000000	0.00000000	0.00000000
1354	0.06250000	1.00000000	-0.17976190
1355	0.03333333	0.75000000	-0.28928571
1356	0.13636364	0.50000000	-0.30000000
1357	0.13636364	0.25000000	-0.15555556
1358	0.10000000	1.00000000	-0.25535714
1359	0.06250000	0.80000000	-0.19270833
1360	0.03333333	0.60000000	-0.17152778
1361	0.10000000	0.80000000	-0.16111111
1362	0.10000000	0.75000000	-0.22462963
1363	0.10000000	0.70000000	-0.15740741
1364	0.03333333	0.66666667	-0.24745370
1365	0.06250000	0.80000000	-0.14642857
1366	0.03333333	0.90000000	-0.37008377
1367	0.20000000	0.50000000	-0.21277778
1368	0.03333333	0.37500000	-0.14603175
1369	0.10000000	1.00000000	-0.33002137
1370	0.10000000	1.00000000	-0.13333333
1371	0.05000000	0.50000000	-0.33095238
1372	0.10000000	1.00000000	-0.52000000
1373	0.03333333	1.00000000	-0.16607143
1374	0.13636364	0.80000000	-0.37638889
1375	0.10000000	1.00000000	-0.25555556
1376	0.13636364	0.50000000	-0.16041667
1377	0.10000000	1.00000000	-0.33437500
1378	0.06250000	0.50000000	-0.44166667
1379	0.03333333	0.75000000	-0.16250000
1380	0.05000000	0.50000000	-0.27881944
1381	0.06250000	0.50000000	-0.28571429
1382	0.10000000	0.50000000	-0.32777778
1383	0.06250000	0.50000000	-0.16150794
1384	0.03333333	1.00000000	-0.15972222
1385	0.05000000	1.00000000	-0.25635541
1386	0.10000000	0.70000000	-0.22037037
1387	0.13636364	1.00000000	-0.10166667
1388	0.16000000	1.00000000	-0.16250000
1389	0.05000000	0.80000000	-0.42834821
1390	0.10000000	1.00000000	-0.33000000
1391	0.03333333	0.80000000	-0.31250000
1392	0.10000000	0.50000000	-0.40833333
1393	0.10000000	0.80000000	-0.40500000
1394	0.10000000	1.00000000	-0.23130512
1395	0.06250000	1.00000000	-0.40000000
1396	0.13636364	0.33333333	0.00000000
1397	0.10000000	1.00000000	-0.05000000
1398	0.20000000	0.50000000	0.00000000
1399	0.10000000	0.50000000	-0.36250000

1400	0.03333333	0.80000000	0.00000000
1401	0.08333333	0.90000000	-0.26755952
1402	0.13636364	0.75000000	-0.20454545
1403	0.13636364	0.70000000	-0.19375000
1404	0.03333333	0.60000000	-0.20000000
1405	0.03333333	0.90000000	-0.19583333
1406	0.13636364	0.60000000	-0.34419643
1407	0.10000000	0.10000000	0.00000000
1408	0.13636364	0.60000000	-0.20625000
1409	0.10000000	0.90000000	-0.34761905
1410	0.05000000	1.00000000	-0.44794974
1411	0.10000000	0.60000000	-0.40000000
1412	0.06250000	1.00000000	-0.34135803
1413	0.10000000	0.80000000	-0.60000000
1414	0.10000000	0.70000000	-0.30000000
1415	0.10000000	1.00000000	-0.19375000
1416	0.10000000	0.13636364	-0.17187500
1417	0.70000000	0.70000000	-0.26250000
1418	0.10000000	0.85000000	-0.20462963
1419	0.13636364	0.50000000	-0.28571429
1420	0.13636364	0.80000000	-0.28750000
1421	0.25000000	0.80000000	-0.35000000
1422	0.13636364	1.00000000	-0.27222222
1423	0.10000000	0.50000000	-0.16538462
1424	0.10000000	0.50000000	-0.17708333
1425	0.15000000	1.00000000	-0.31388889
1426	0.03333333	0.50000000	-0.20000000
1427	0.03333333	0.80000000	-0.23333333
1428	0.03333333	1.00000000	-0.34457672
1429	0.03333333	0.70000000	-0.39876543
1430	0.10000000	0.60000000	-0.35000000
1431	0.10000000	0.60000000	-0.24642857
1432	0.10000000	0.50000000	-0.26967593
1433	0.06250000	1.00000000	-0.26833333
1434	0.25000000	1.00000000	-0.40000000
1435	0.13636364	0.85000000	-0.47500000
1436	0.10000000	0.50000000	-0.29166667
1437	0.10000000	1.00000000	-0.11250000
1438	0.05000000	0.80000000	-0.37037037
1439	0.05000000	0.70000000	-0.38314815
1440	0.16666667	0.80000000	-0.27162698
1441	0.10000000	1.00000000	-0.25000000
1442	0.10000000	0.70000000	-0.25613345
1443	0.03333333	0.75000000	-0.16250000
1444	0.10000000	1.00000000	-0.39050926
1445	0.10000000	0.60000000	-0.40833333
1446	0.03333333	1.00000000	-0.25000000
1447	0.10000000	0.50000000	-0.22091837
1448	0.10000000	0.60000000	-0.16558642
1449	0.10000000	0.60000000	-0.14166667
1450	0.13636364	0.50000000	0.00000000
1451	0.03333333	1.00000000	-0.18657407
1452	0.10000000	0.75000000	-0.26742424
1453	0.10000000	1.00000000	-0.33944444

1454	0.05000000	1.00000000	-0.43660714
1455	0.00000000	0.00000000	0.00000000
1456	0.10000000	0.70000000	-0.16785714
1457	0.05000000	0.90000000	-0.28184524
1458	0.13636364	0.90000000	-0.12500000
1459	0.00000000	0.00000000	-0.15000000
1460	0.10000000	1.00000000	-0.16027167
1461	0.16000000	1.00000000	-0.30397436
1462	0.16000000	1.00000000	-0.35011905
1463	0.05000000	0.80000000	-0.16666667
1464	0.10000000	0.80000000	-0.25000000
1465	0.10000000	1.00000000	-0.28085318
1466	0.10000000	0.80000000	-0.33035714
1467	0.13636364	1.00000000	-0.16250000
1468	0.05000000	0.80000000	-0.32232143
1469	0.10000000	1.00000000	-0.31666667
1470	0.10000000	0.80000000	-0.20520833
1471	0.03333333	1.00000000	-0.52500000
1472	0.10000000	1.00000000	-0.35000000
1473	0.10000000	0.50000000	0.00000000
1474	0.13636364	1.00000000	-0.22916667
1475	0.06250000	1.00000000	-0.27654321
1476	0.03333333	1.00000000	-0.36889474
1477	0.05000000	1.00000000	-0.49000000
1478	0.08333333	0.80000000	-0.10666667
1479	0.20000000	0.70000000	-0.28030303
1480	0.05000000	0.90000000	-0.25000000
1481	0.10000000	0.70000000	-0.48518519
1482	0.13636364	0.40000000	-0.15833333
1483	0.03333333	0.80000000	-0.31250000
1484	0.10000000	1.00000000	-0.41250000
1485	0.03333333	1.00000000	-0.32588889
1486	0.00000000	0.00000000	0.00000000
1487	0.03333333	0.35000000	0.00000000
1488	0.13636364	0.70000000	-0.27500000
1489	0.05000000	0.50000000	-0.25000000
1490	0.10000000	1.00000000	-0.36333333
1491	0.03333333	0.90000000	-0.38796296
1492	0.06250000	0.80000000	-0.32638889
1493	0.05000000	0.60000000	-0.31944444
1494	0.21428571	0.50000000	-0.18333333
1495	0.10000000	1.00000000	-0.34668110
1496	0.03333333	1.00000000	-0.21974206
1497	0.03333333	0.70000000	-0.18169643
1498	0.05000000	1.00000000	-0.26348039
1499	0.28571429	0.80000000	-0.09097222
1500	0.06250000	1.00000000	-0.18329191
1501	0.03333333	0.60000000	-0.60000000
1502	0.10000000	0.50000000	-0.22083333
1503	0.03333333	1.00000000	-0.16861111
1504	0.03333333	0.60000000	-0.28333333
1505	0.25000000	1.00000000	-0.27777778
1506	0.03333333	0.70000000	-0.38472222
1507	0.13636364	0.80000000	-0.42407407

1508	0.10000000	1.00000000	-0.14907407
1509	0.05000000	0.85000000	0.00000000
1510	0.13636364	1.00000000	-0.19583333
1511	0.10000000	1.00000000	-0.31111111
1512	0.35000000	0.50000000	-0.21250000
1513	0.13636364	1.00000000	-0.18472222
1514	0.13636364	0.60000000	-0.46666667
1515	0.16000000	1.00000000	-0.32911111
1516	0.03333333	0.80000000	-0.29470899
1517	0.03333333	0.80000000	-0.20892857
1518	0.10000000	0.60000000	-0.38425926
1519	0.03333333	1.00000000	-0.35892857
1520	0.10000000	0.50000000	-0.27833333
1521	0.10000000	0.90000000	-0.25833333
1522	0.06250000	0.50000000	0.00000000
1523	0.25000000	0.80000000	-0.33750000
1524	0.10000000	0.60000000	-0.27222222
1525	0.10000000	0.70000000	-0.12500000
1526	0.03333333	1.00000000	-0.19375000
1527	0.10000000	1.00000000	-0.19629630
1528	0.03333333	0.80000000	-0.19382716
1529	0.10000000	0.60000000	-0.18981481
1530	0.13636364	1.00000000	-0.10000000
1531	0.05000000	1.00000000	-0.17500000
1532	0.03333333	0.50000000	-0.16666667
1533	0.03333333	0.80000000	-0.28333333
1534	0.10000000	0.80000000	-0.30416667
1535	0.10000000	1.00000000	-0.27986111
1536	0.10000000	0.80000000	-0.31515151
1537	0.10000000	0.50000000	-0.35000000
1538	0.10000000	0.50000000	-0.22528345
1539	0.10000000	1.00000000	-0.22883598
1540	0.10000000	1.00000000	-0.09880952
1541	0.10000000	0.50000000	0.00000000
1542	0.03333333	0.70000000	-0.34375000
1543	0.10000000	0.70000000	-0.36736111
1544	0.10000000	1.00000000	-0.36319444
1545	0.03333333	1.00000000	-0.21460728
1546	0.05000000	0.70000000	-0.18996914
1547	0.03333333	1.00000000	-0.22006173
1548	0.05000000	0.50000000	-0.35260417
1549	0.10000000	1.00000000	-0.35000000
1550	0.10000000	1.00000000	-0.31250000
1551	0.03333333	1.00000000	-0.30000000
1552	0.13636364	0.60000000	-0.17857143
1553	0.05000000	0.60000000	-0.26666667
1554	0.05000000	1.00000000	-0.30531915
1555	0.10000000	1.00000000	-0.52222222
1556	0.03333333	1.00000000	-0.24525050
1557	0.03333333	1.00000000	-0.22086835
1558	0.10000000	1.00000000	-0.30394180
1559	0.03333333	1.00000000	-0.23240741
1560	0.03333333	1.00000000	-0.41896825
1561	0.20000000	0.50000000	-0.40000000

1562	0.13636364	0.70000000	0.00000000
1563	0.20000000	0.85000000	-0.18009259
1564	0.05000000	0.50000000	-0.19940476
1565	0.03333333	1.00000000	-0.20752728
1566	0.10000000	0.80000000	-0.18002646
1567	0.10000000	1.00000000	-0.31666667
1568	0.03333333	0.70000000	-0.16111111
1569	0.10000000	0.80000000	-0.26444444
1570	0.03333333	1.00000000	-0.35479497
1571	0.33333333	0.60000000	-0.42777778
1572	0.03333333	0.80000000	-0.40000000
1573	0.10000000	0.80000000	-0.23571429
1574	0.28571429	0.50000000	-0.20539683
1575	0.00000000	0.00000000	0.00000000
1576	0.05000000	0.50000000	-0.24312500
1577	0.10000000	0.33333333	-0.40000000
1578	0.10000000	1.00000000	-0.25000000
1579	0.10000000	0.60000000	-0.38919753
1580	0.10000000	0.80000000	-0.18750000
1581	0.10000000	0.80000000	0.00000000
1582	0.03333333	0.80000000	-0.27884615
1583	0.10000000	0.50000000	-0.12500000
1584	0.03333333	0.50000000	-0.46666667
1585	0.10000000	0.80000000	-0.32380952
1586	0.03333333	0.50000000	-0.32222222
1587	0.10000000	1.00000000	0.00000000
1588	0.13636364	1.00000000	-0.60000000
1589	0.03333333	1.00000000	-0.42093254
1590	0.10000000	1.00000000	-0.21666667
1591	0.10000000	0.90000000	-0.29601449
1592	0.03333333	1.00000000	-0.35249542
1593	0.10000000	0.80000000	-0.22483466
1594	0.00000000	0.00000000	0.00000000
1595	0.10000000	0.33333333	0.00000000
1596	0.33333333	1.00000000	-0.28611111
1597	0.10000000	0.60000000	-0.17222222
1598	0.05000000	1.00000000	-0.26858237
1599	0.03333333	0.60000000	-0.23333333
1600	0.16666667	1.00000000	-0.35000000
1601	0.13636364	0.60000000	-0.30158730
1602	0.10000000	0.80000000	-0.32777778
1603	0.10000000	1.00000000	-0.42108843
1604	0.03333333	0.50000000	-0.28500000
1605	0.20000000	0.60000000	-0.14000000
1606	0.10000000	1.00000000	-0.33042717
1607	0.10000000	1.00000000	-0.24242424
1608	0.03333333	0.60000000	-0.29166667
1609	0.13636364	1.00000000	-0.33968750
1610	0.20000000	0.50000000	-0.08571429
1611	0.03333333	1.00000000	-0.34460916
1612	0.10000000	0.50000000	-0.35833333
1613	0.06250000	1.00000000	-0.32619048
1614	0.10000000	0.80000000	-0.19128788
1615	0.03333333	1.00000000	-0.34268078

1616	0.10000000	1.00000000	-0.35042857
1617	0.13636364	0.60000000	-0.25384615
1618	0.20000000	1.00000000	-0.16250000
1619	0.10000000	1.00000000	-0.16583333
1620	0.03333333	1.00000000	-0.19322917
1621	0.10000000	0.70000000	-0.21666667
1622	0.10000000	0.60000000	-0.13809524
1623	0.03333333	0.33333333	-0.21250000
1624	0.05000000	0.75000000	-0.30416667
1625	0.10000000	0.60000000	-0.27685185
1626	0.03333333	1.00000000	-0.23295431
1627	0.03333333	1.00000000	-0.30277778
1628	0.13636364	0.80000000	0.00000000
1629	0.03333333	1.00000000	-0.25000000
1630	0.16000000	0.70000000	-0.30000000
1631	0.10000000	1.00000000	-0.23257576
1632	0.06250000	1.00000000	-0.20000000
1633	0.03333333	1.00000000	-0.17777778
1634	0.05000000	1.00000000	-0.43412338
1635	0.10000000	1.00000000	-0.34307292
1636	0.05000000	0.70000000	-0.36250000
1637	0.10000000	0.80000000	-0.40000000
1638	0.10000000	0.60000000	-0.23095238
1639	0.05000000	0.60000000	-0.23722222
1640	0.20000000	1.00000000	-0.30625000
1641	0.06250000	0.80000000	-0.23591270
1642	0.10000000	0.75000000	-0.35083333
1643	0.10000000	0.60000000	-0.12500000
1644	0.06250000	0.75000000	-0.15545635
1645	0.13636364	0.70000000	-0.35509259
1646	0.10000000	1.00000000	-0.29618056
1647	0.10000000	0.90000000	-0.25813492
1648	0.10000000	0.50000000	-0.12083333
1649	0.03333333	0.50000000	-0.18750000
1650	0.60000000	0.60000000	0.00000000
1651	0.10000000	0.60000000	-0.19687500
1652	0.03333333	1.00000000	-0.27638889
1653	0.10000000	0.60000000	-0.28923611
1654	0.00000000	0.00000000	0.00000000
1655	0.10000000	0.70000000	-0.29613095
1656	0.03333333	0.50000000	-0.35333333
1657	0.03333333	1.00000000	-0.15833333
1658	0.10000000	1.00000000	-0.38067227
1659	0.03333333	1.00000000	-0.35695208
1660	0.03333333	0.50000000	-0.30416667
1661	0.20000000	1.00000000	-0.17261905
1662	0.20000000	1.00000000	0.00000000
1663	0.16666667	1.00000000	-0.35000000
1664	0.13636364	1.00000000	-0.43802083
1665	0.06250000	1.00000000	-0.17904040
1666	0.13636364	0.75000000	-0.49687500
1667	0.06250000	1.00000000	-0.33535289
1668	0.13636364	0.50000000	-0.17083333
1669	0.03333333	1.00000000	-0.27165831

1670	0.03333333	0.50000000	0.00000000
1671	0.13636364	0.60000000	-0.15833333
1672	0.03333333	1.00000000	-0.25518984
1673	0.10000000	0.40000000	-0.50000000
1674	0.10000000	0.60000000	-0.21845238
1675	0.13636364	1.00000000	-0.33750000
1676	0.10000000	0.50000000	-0.20833333
1677	0.13636364	0.50000000	-0.12500000
1678	0.05000000	1.00000000	-0.24318783
1679	0.10000000	1.00000000	-0.25000000
1680	0.10000000	1.00000000	-0.23250000
1681	0.10000000	0.50000000	-0.16481482
1682	0.06250000	1.00000000	-0.14963370
1683	0.05000000	1.00000000	-0.31440476
1684	0.35714286	0.50000000	0.00000000
1685	0.05000000	0.80000000	-0.10932540
1686	0.03333333	1.00000000	-0.22258454
1687	0.05000000	1.00000000	-0.33981481
1688	0.20000000	1.00000000	-0.40026455
1689	0.25000000	0.60000000	-0.50000000
1690	0.10000000	1.00000000	-0.15800000
1691	0.10000000	0.50000000	-0.17812500
1692	0.10000000	1.00000000	-0.16666667
1693	0.13636364	1.00000000	-0.48682540
1694	0.06250000	1.00000000	-0.16623932
1695	0.13636364	0.50000000	-0.20238095
1696	0.05000000	1.00000000	-0.20000000
1697	0.10000000	1.00000000	-0.16722470
1698	0.16666667	0.50000000	-0.40000000
1699	0.03333333	0.70000000	-0.22722222
1700	0.13636364	1.00000000	-0.41000000
1701	0.10000000	0.70000000	-0.24000000
1702	0.03333333	1.00000000	-0.70000000
1703	0.13636364	0.80000000	-0.20895062
1704	0.03333333	1.00000000	-0.13333333
1705	0.05000000	1.00000000	-0.36011905
1706	0.03333333	1.00000000	-0.12187500
1707	0.03333333	0.50000000	-0.65000000
1708	0.03333333	1.00000000	-0.29218750
1709	0.10000000	0.80000000	-0.19479167
1710	0.03333333	0.80000000	-0.24658120
1711	0.10000000	0.60000000	-0.22074074
1712	0.06250000	1.00000000	-0.25637509
1713	0.13636364	0.85000000	-0.13730159
1714	0.10000000	1.00000000	-0.37397119
1715	0.10000000	0.50000000	-0.15625000
1716	0.10000000	0.50000000	-0.14693878
1717	0.10000000	0.90000000	-0.18353175
1718	0.16666667	0.80000000	-0.16666667
1719	0.03333333	0.60000000	-0.44583333
1720	0.10000000	1.00000000	-0.37725694
1721	0.20000000	0.80000000	-0.47777778
1722	0.05000000	1.00000000	-0.20493263
1723	0.21428571	0.70000000	-0.10000000

1724	0.03333333	1.00000000	-0.37187500
1725	0.03333333	1.00000000	-0.15000000
1726	0.05000000	0.60000000	-0.07500000
1727	0.00000000	0.00000000	0.00000000
1728	0.10000000	1.00000000	-0.25750000
1729	0.35000000	0.80000000	-0.61250000
1730	0.03333333	1.00000000	-0.40178571
1731	0.10000000	0.16666667	-0.26111111
1732	0.05000000	0.60000000	-0.15555556
1733	0.13636364	0.70000000	0.00000000
1734	0.03333333	0.37500000	-0.73333333
1735	0.10000000	1.00000000	-0.33994709
1736	0.30000000	0.50000000	-0.15000000
1737	0.03333333	0.60000000	-0.16666667
1738	0.05000000	0.80000000	-0.17130952
1739	0.10000000	0.60000000	-0.22083333
1740	0.10000000	0.80000000	-0.50000000
1741	0.20000000	0.50000000	-0.40694444
1742	0.00000000	0.00000000	0.00000000
1743	0.03333333	1.00000000	-0.24318182
1744	0.00000000	0.00000000	0.00000000
1745	0.03333333	1.00000000	-0.17916667
1746	0.03333333	0.50000000	-0.30000000
1747	0.10000000	0.70000000	-0.28250000
1748	0.10000000	0.50000000	-0.14107143
1749	0.50000000	0.50000000	-0.13571429
1750	0.10000000	0.90000000	-0.17500000
1751	0.16666667	0.35000000	-0.17833333
1752	0.20000000	0.50000000	-0.08923611
1753	0.10000000	0.60000000	-0.26666667
1754	0.10000000	0.80000000	-0.19814815
1755	0.10000000	1.00000000	0.00000000
1756	0.21428571	1.00000000	-0.15937500
1757	0.06250000	0.50000000	-0.32500000
1758	0.10000000	1.00000000	-0.34392170
1759	0.28571429	1.00000000	-0.80000000
1760	0.20000000	1.00000000	-0.20000000
1761	0.13636364	0.60000000	-0.62500000
1762	0.03333333	1.00000000	-0.22322531
1763	0.10000000	0.50000000	-0.28888889
1764	0.10000000	0.60000000	-0.40000000
1765	0.10000000	0.80000000	-0.26076389
1766	0.03333333	1.00000000	-0.39907407
1767	0.03333333	1.00000000	-0.14583333
1768	0.10000000	0.80000000	-0.35563187
1769	0.03333333	0.80000000	-0.28759921
1770	0.03333333	0.50000000	0.00000000
1771	0.03333333	0.50000000	-0.26041667
1772	0.10000000	1.00000000	0.00000000
1773	0.03333333	0.60000000	-0.29000000
1774	0.03333333	0.75000000	-0.16666667
1775	0.16000000	1.00000000	-0.29922619
1776	0.03333333	0.50000000	-0.21250000
1777	0.10000000	0.60000000	-0.26008772

1778	0.16666667	1.00000000	-0.26000000
1779	0.08333333	0.60000000	-0.23208333
1780	0.37500000	0.80000000	0.00000000
1781	0.20000000	0.60000000	-0.12942177
1782	0.10000000	0.70000000	-0.02500000
1783	0.03333333	1.00000000	-0.21909722
1784	0.03333333	0.80000000	0.00000000
1785	0.03333333	1.00000000	-0.37070106
1786	0.10000000	1.00000000	-0.30357143
1787	0.05000000	1.00000000	-0.37114035
1788	0.03333333	1.00000000	-0.17168367
1789	0.05000000	0.80000000	-0.28768519
1790	0.10000000	0.80000000	-0.55747863
1791	0.25000000	0.60000000	-0.15000000
1792	0.10000000	0.75000000	-0.10833333
1793	0.30000000	0.80000000	-0.29722222
1794	0.03333333	0.70000000	-0.15555556
1795	0.10000000	0.50000000	-0.20000000
1796	0.10000000	0.80000000	-0.19791667
1797	0.08333333	0.90000000	-0.30046296
1798	0.35000000	0.70000000	-0.35714286
1799	0.13636364	0.80000000	-0.27500000
1800	0.13636364	0.30000000	-0.16666667
1801	0.10000000	0.60000000	-0.23428571
1802	0.20000000	0.70000000	-0.24285714
1803	0.10000000	1.00000000	-0.26111111
1804	0.10000000	0.40000000	-0.28750000
1805	0.03333333	0.80000000	-0.12777778
1806	0.06250000	0.70000000	-0.18095238
1807	0.10000000	0.70000000	-0.15000000
1808	0.10000000	0.70000000	-0.21875000
1809	0.03333333	0.70000000	-0.44166667
1810	0.03333333	1.00000000	-0.30833333
1811	0.10000000	0.60000000	-0.20714286
1812	0.10000000	0.80000000	-0.24268708
1813	0.05000000	1.00000000	-0.18873299
1814	0.03333333	0.50000000	-0.13888889
1815	0.10000000	0.50000000	-0.17730655
1816	0.37500000	0.80000000	-0.09166667
1817	0.13636364	0.70000000	-0.25267857
1818	0.10000000	0.37500000	-0.21250000
1819	0.03333333	0.80000000	-0.22123016
1820	0.10000000	0.60000000	-0.25595238
1821	0.16666667	0.60000000	-0.15000000
1822	0.10000000	0.50000000	0.00000000
1823	0.00000000	0.00000000	0.00000000
1824	0.08333333	1.00000000	-0.25434600
1825	0.10000000	1.00000000	-0.32500000
1826	0.13636364	0.90000000	-0.12500000
1827	0.13636364	1.00000000	-0.17666667
1828	0.06250000	0.50000000	0.00000000
1829	0.03333333	0.50000000	-0.38020833
1830	0.05000000	1.00000000	-0.61666667
1831	0.16666667	0.70000000	-0.46944444

1832	0.10000000	1.00000000	-0.30500000
1833	0.10000000	0.75000000	-0.39972527
1834	0.03333333	1.00000000	-0.22619048
1835	0.37500000	0.70000000	-0.33125000
1836	0.10000000	0.50000000	-0.30273109
1837	0.10000000	0.50000000	-0.43333333
1838	0.03333333	0.75000000	-0.16666667
1839	0.03333333	1.00000000	-0.25000000
1840	0.03333333	0.80000000	-0.26282051
1841	0.03333333	1.00000000	-0.36096491
1842	0.10000000	0.50000000	-0.22333333
1843	0.10000000	1.00000000	-0.42962963
1844	0.03333333	0.80000000	-0.20833333
1845	0.20000000	1.00000000	-0.17037037
1846	0.10000000	1.00000000	-0.34743590
1847	0.13636364	0.50000000	-0.18333333
1848	0.05000000	0.80000000	-0.20925926
1849	0.05000000	0.80000000	-0.23230159
1850	0.10000000	0.80000000	0.00000000
1851	0.05000000	0.85000000	-0.33333333
1852	0.03333333	0.70000000	-0.13146258
1853	0.03333333	0.70000000	-0.26666667
1854	0.03333333	1.00000000	-0.33947246
1855	0.16000000	1.00000000	-0.32513889
1856	0.03333333	0.50000000	-0.12500000
1857	0.10000000	0.75000000	-0.10833333
1858	0.06250000	1.00000000	-0.19893579
1859	0.20000000	1.00000000	-0.22349773
1860	0.10000000	1.00000000	-0.26388889
1861	0.20000000	0.50000000	-0.17500000
1862	0.25000000	1.00000000	-0.43666667
1863	0.05000000	1.00000000	-0.43416373
1864	0.16666667	1.00000000	-0.34166667
1865	0.10000000	0.70000000	-0.40000000
1866	0.10000000	0.90000000	-0.28555556
1867	0.05000000	0.85000000	-0.35595238
1868	0.10000000	0.55000000	-0.38333333
1869	0.10000000	1.00000000	-0.31083333
1870	0.25000000	0.50000000	-0.39531250
1871	0.10000000	0.50000000	-0.50000000
1872	0.10000000	0.50000000	-0.16728395
1873	0.10000000	1.00000000	-0.32920635
1874	0.10000000	0.70000000	0.00000000
1875	0.10000000	0.80000000	-0.16333333
1876	0.03333333	1.00000000	-0.25127357
1877	0.13636364	0.50000000	-0.39375000
1878	0.10000000	1.00000000	-0.20000000
1879	0.05000000	1.00000000	-0.19429894
1880	0.13636364	1.00000000	-0.20000000
1881	0.16000000	1.00000000	-0.31935897
1882	0.25000000	0.50000000	-0.50000000
1883	0.10000000	1.00000000	-0.14801587
1884	0.03333333	0.60000000	-0.26666667
1885	0.16666667	1.00000000	-0.12599206

1886	0.10000000	0.80000000	-0.17761905
1887	0.10000000	0.90000000	-0.14583333
1888	0.03333333	0.80000000	-0.08750000
1889	0.16000000	1.00000000	-0.22187500
1890	0.03333333	0.80000000	-0.49351852
1891	0.10000000	0.60000000	-0.27182540
1892	0.10000000	1.00000000	-0.20172619
1893	0.13636364	0.80000000	-0.14027778
1894	0.10000000	0.80000000	-0.28493304
1895	0.10000000	0.70000000	-0.17194617
1896	0.10000000	0.50000000	-0.16666667
1897	0.03333333	1.00000000	-0.31219955
1898	0.10000000	0.50000000	-0.46812169
1899	0.20000000	0.60000000	-0.20000000
1900	0.10000000	0.80000000	-0.22465278
1901	0.13636364	1.00000000	-0.23240741
1902	0.16000000	0.70000000	-0.37500000
1903	0.10000000	0.50000000	-0.25833333
1904	0.13636364	1.00000000	-0.25500000
1905	0.10000000	1.00000000	-0.40000000
1906	0.10000000	0.90000000	-0.23333333
1907	0.13636364	0.60000000	-0.05000000
1908	0.03333333	0.90000000	-0.20000000
1909	0.05000000	0.80000000	-0.31410256
1910	0.03333333	0.75000000	-0.39142416
1911	0.10000000	1.00000000	-0.31455128
1912	0.10000000	0.50000000	-0.21309524
1913	0.03333333	0.60000000	-0.34270833
1914	0.10000000	0.50000000	-0.28690476
1915	0.10000000	0.80000000	-0.47500000
1916	0.10000000	0.80000000	-0.17619048
1917	0.06250000	1.00000000	-0.30119048
1918	0.10000000	0.70000000	-0.48531746
1919	0.10000000	0.70000000	-0.14011905
1920	0.13636364	0.80000000	-0.30254630
1921	0.10000000	0.80000000	-0.20502645
1922	0.03333333	0.40000000	-0.17777778
1923	0.10000000	0.70000000	0.00000000
1924	0.50000000	1.00000000	-0.36250000
1925	0.00000000	0.00000000	0.00000000
1926	0.06250000	0.50000000	0.00000000
1927	0.03333333	0.60000000	-0.16388889
1928	0.10000000	1.00000000	-0.33214286
1929	0.13636364	1.00000000	-0.47936508
1930	0.10000000	0.70000000	-0.22083333
1931	0.20000000	0.60000000	-0.12187500
1932	0.10000000	1.00000000	-0.35555556
1933	0.10000000	1.00000000	-0.24444444
1934	0.05000000	1.00000000	-0.26666667
1935	0.10000000	0.80000000	-0.16083333
1936	0.16000000	1.00000000	-0.26000000
1937	0.10000000	0.70000000	-0.46416667
1938	0.03333333	1.00000000	-0.26759259
1939	0.10000000	1.00000000	-0.19603175

1940	0.10000000	0.60000000	-0.23214286
1941	0.50000000	0.50000000	0.00000000
1942	0.10000000	0.60000000	-0.30000000
1943	0.05000000	0.50000000	-0.20740741
1944	0.10000000	0.50000000	-0.18750000
1945	0.03333333	0.85000000	-0.23623737
1946	0.20000000	0.50000000	-0.10000000
1947	0.10000000	1.00000000	-0.13601190
1948	0.06250000	0.50000000	-0.16180556
1949	0.03333333	1.00000000	-0.35434588
1950	0.20000000	1.00000000	-0.46666667
1951	0.10000000	1.00000000	-0.28311966
1952	0.10000000	0.75000000	-0.17777778
1953	0.06250000	0.50000000	-0.35000000
1954	0.03333333	1.00000000	-0.28838384
1955	0.10000000	1.00000000	-0.29755291
1956	0.16666667	1.00000000	-0.35000000
1957	0.10000000	0.50000000	-0.10625000
1958	0.06250000	0.80000000	-0.28376068
1959	0.03333333	1.00000000	-0.26309524
1960	0.13636364	1.00000000	-0.31944444
1961	0.13636364	0.60000000	-0.27500000
1962	0.10000000	0.60000000	-0.27861111
1963	0.03333333	0.60000000	-0.30000000
1964	0.03333333	1.00000000	-0.17884615
1965	0.10000000	0.60000000	-0.30000000
1966	0.10000000	1.00000000	-0.49285714
1967	0.10000000	0.60000000	-0.23333333
1968	0.10000000	0.70000000	-0.10833333
1969	0.13636364	0.50000000	0.00000000
1970	0.03333333	0.70000000	-0.18222222
1971	0.16666667	0.50000000	-0.15555556
1972	0.03333333	1.00000000	-0.27087174
1973	0.10000000	0.73333333	-0.21527778
1974	0.03333333	1.00000000	-0.17564103
1975	0.03333333	0.70000000	-0.11964286
1976	0.03333333	0.80000000	-0.19349415
1977	0.10000000	0.80000000	-0.40000000
1978	0.13636364	0.60000000	-0.20416667
1979	0.13636364	0.80000000	0.00000000
1980	0.10000000	1.00000000	-0.20555556
1981	0.10000000	1.00000000	-0.30992063
1982	0.05000000	1.00000000	-0.26858237
1983	0.10000000	0.60000000	-0.19042398
1984	0.10000000	0.70000000	-0.19558081
1985	0.13636364	1.00000000	-0.21590278
1986	0.00000000	0.00000000	0.00000000
1987	0.05000000	0.50000000	0.00000000
1988	0.10000000	0.80000000	-0.43750000
1989	0.10000000	0.60000000	-0.23202160
1990	0.03333333	1.00000000	-0.33430250
1991	0.13636364	1.00000000	-0.20000000
1992	0.10000000	1.00000000	-0.31481482
1993	0.10000000	1.00000000	-0.18224206

1994	0.06250000	1.00000000	-0.22588384
1995	0.05000000	0.80000000	-0.30000000
1996	0.03333333	1.00000000	-0.23619048
1997	0.20000000	0.80000000	-0.16607143
1998	0.10000000	1.00000000	-0.24087302
1999	0.05000000	1.00000000	-0.30416667
2000	0.10000000	1.00000000	-0.34270833
2001	0.06250000	1.00000000	-0.28472222
2002	0.03333333	0.50000000	-0.33214286
2003	0.25000000	0.50000000	0.00000000
2004	0.06250000	1.00000000	-0.23380952
2005	0.06250000	0.50000000	-0.42500000
2006	0.10000000	0.50000000	-0.23055556
2007	0.10000000	0.80000000	-0.13750000
2008	0.13636364	0.80000000	0.00000000
2009	0.13636364	1.00000000	-0.17916667
2010	0.10000000	0.50000000	-0.17500000
2011	0.06250000	1.00000000	-0.27146057
2012	0.05000000	0.60000000	-0.20180556
2013	0.03333333	1.00000000	-0.20543430
2014	0.10000000	0.70000000	-0.21190476
2015	0.00000000	0.00000000	0.00000000
2016	0.08333333	1.00000000	-0.34505556
2017	0.10000000	1.00000000	-0.18518519
2018	0.13636364	0.50000000	-0.19111111
2019	0.05000000	0.60000000	-0.48750000
2020	0.05000000	1.00000000	-0.22890212
2021	0.05000000	0.90000000	-0.19513889
2022	0.03333333	0.50000000	-0.30182073
2023	0.10000000	1.00000000	-0.12083333
2024	0.16000000	0.60000000	-0.22500000
2025	0.03333333	0.60000000	-0.21666667
2026	0.03333333	0.40000000	-0.12500000
2027	0.03333333	1.00000000	-0.50000000
2028	0.05000000	0.50000000	-0.26481481
2029	0.03333333	0.50000000	-0.60000000
2030	0.13636364	0.25000000	0.00000000
2031	0.05000000	0.60000000	-0.17095238
2032	0.10000000	1.00000000	-0.22512820
2033	0.10000000	1.00000000	-0.21980994
2034	0.10000000	1.00000000	-0.24250000
2035	0.06250000	1.00000000	-0.10238095
2036	0.10000000	1.00000000	-0.20375817
2037	0.10000000	0.50000000	-0.33583333
2038	0.10000000	1.00000000	-0.39090909
2039	0.10000000	0.60000000	-0.30952381
2040	0.10000000	0.80000000	-0.19960317
2041	0.05000000	0.50000000	-0.16666667
2042	0.10000000	0.80000000	0.00000000
2043	0.10000000	0.50000000	-0.16269841
2044	0.03333333	0.70000000	-0.17013889
2045	0.20000000	0.50000000	-0.14801587
2046	0.13636364	0.70000000	-0.10000000
2047	0.03333333	1.00000000	-0.20000000

2048	0.13636364	0.50000000	-0.21041667
2049	0.10000000	0.70000000	-0.24598214
2050	0.10000000	0.80000000	-0.23106061
2051	0.05000000	0.40000000	-0.25000000
2052	0.10000000	0.50000000	-0.60000000
2053	0.10000000	0.50000000	-0.21666667
2054	0.03333333	0.50000000	0.00000000
2055	0.13636364	0.50000000	-0.12500000
2056	0.10000000	0.50000000	-0.32371032
2057	0.10000000	1.00000000	-0.45833333
2058	0.03333333	0.60000000	-0.25000000
2059	0.10000000	1.00000000	-0.16666667
2060	0.13636364	0.70000000	-0.25416667
2061	0.10000000	0.80000000	-0.23611111
2062	0.16666667	0.85000000	-0.40000000
2063	0.03333333	0.50000000	-0.24666667
2064	0.10000000	0.90000000	-0.23750000
2065	0.03333333	1.00000000	0.00000000
2066	0.10000000	0.80000000	-0.26428571
2067	0.13636364	1.00000000	-0.33858974
2068	0.10000000	0.50000000	-0.48500000
2069	0.05000000	0.60000000	-0.34444444
2070	0.03333333	1.00000000	-0.13888889
2071	0.10000000	0.50000000	0.00000000
2072	0.03333333	1.00000000	-0.24112812
2073	0.03333333	1.00000000	-0.31379400
2074	0.05000000	0.70000000	-0.25433333
2075	0.10000000	1.00000000	-0.31704545
2076	0.10000000	0.70000000	-0.47435897
2077	0.06250000	0.80000000	-0.18379630
2078	0.10000000	1.00000000	-0.22212963
2079	0.03333333	0.80000000	-0.20000000
2080	0.13636364	0.80000000	-0.27888889
2081	0.03333333	0.85000000	-0.48571429
2082	0.10000000	0.25000000	-0.15000000
2083	0.10000000	1.00000000	-0.18921569
2084	0.20000000	1.00000000	-0.19675926
2085	0.10000000	1.00000000	-0.19816017
2086	0.03333333	0.80000000	-0.30000000
2087	0.10000000	0.60000000	-0.46666667
2088	0.05000000	1.00000000	-0.18333333
2089	0.10000000	1.00000000	-0.25586081
2090	0.06250000	0.90000000	-0.22638889
2091	0.05000000	0.25000000	-0.35000000
2092	0.25000000	0.50000000	-0.15555556
2093	0.25000000	1.00000000	-0.05000000
2094	0.20000000	0.60000000	-0.32222222
2095	0.03333333	0.70000000	-0.48840812
2096	0.10000000	0.90000000	-0.30000000
2097	0.10000000	0.50000000	-0.08750000
2098	0.03333333	1.00000000	-0.22089947
2099	0.10000000	1.00000000	-0.29895833
2100	0.10000000	0.21428571	-0.17500000
2101	0.03333333	1.00000000	-0.34838936

2102	0.05000000	1.00000000	-0.40000000
2103	0.10000000	0.80000000	-0.51166667
2104	0.05000000	0.60000000	-0.44444444
2105	0.10000000	0.50000000	-0.10000000
2106	0.03333333	0.50000000	-0.13908730
2107	0.25000000	0.85000000	-0.15000000
2108	0.10000000	0.50000000	-0.27428775
2109	0.03333333	1.00000000	-0.41897321
2110	0.10000000	0.60000000	-0.24761905
2111	0.20000000	0.50000000	-0.11666667
2112	0.13636364	0.40000000	0.00000000
2113	0.20000000	0.50000000	-0.10833333
2114	0.10000000	0.50000000	-0.50000000
2115	0.06250000	0.80000000	-0.14630952
2116	0.10000000	0.25000000	-0.43166667
2117	0.10000000	1.00000000	-0.20500000
2118	0.10000000	0.50000000	-0.25476191
2119	0.13636364	0.50000000	0.00000000
2120	0.13636364	0.60000000	0.00000000
2121	0.10000000	1.00000000	-0.60000000
2122	0.10000000	1.00000000	-0.25000000
2123	0.13636364	0.50000000	-0.53125000
2124	0.10000000	1.00000000	-0.30381482
2125	0.10000000	0.70000000	-0.50000000
2126	0.10000000	0.50000000	-0.17500000
2127	0.10000000	1.00000000	-0.25277778
2128	0.10000000	0.75000000	-0.24444444
2129	0.13636364	0.80000000	-0.24303571
2130	0.13636364	1.00000000	-0.29218750
2131	0.03333333	0.50000000	-0.23261905
2132	0.05000000	1.00000000	-0.43294359
2133	0.00000000	0.00000000	0.00000000
2134	0.10000000	1.00000000	-0.24472789
2135	0.13636364	0.60000000	-0.24285714
2136	0.13636364	1.00000000	-0.31960979
2137	0.03333333	0.60000000	-0.22549020
2138	0.13636364	0.70000000	-0.16250000
2139	0.13636364	1.00000000	-0.33333333
2140	0.10000000	1.00000000	-0.25509259
2141	0.06250000	0.80000000	-0.38737374
2142	0.03333333	0.50000000	-0.22812500
2143	0.10000000	0.60000000	-0.32291667
2144	0.05000000	0.75000000	-0.28333333
2145	0.05000000	0.40000000	-0.40000000
2146	0.05000000	0.83333333	-0.31068376
2147	0.10000000	0.70000000	-0.30025510
2148	0.10000000	1.00000000	-0.36023809
2149	0.13636364	1.00000000	-0.22619048
2150	0.20000000	0.70000000	-0.35000000
2151	0.10000000	1.00000000	-0.37619048
2152	0.06250000	0.85000000	-0.38373016
2153	0.10000000	1.00000000	-0.27187500
2154	0.13636364	1.00000000	-0.27500000
2155	0.10000000	0.50000000	-0.42592593

2156	0.06250000	1.00000000	-0.36060606
2157	0.10000000	0.50000000	-0.52500000
2158	0.10000000	0.50000000	0.00000000
2159	0.03333333	0.80000000	-0.35000000
2160	0.16000000	1.00000000	-0.36805556
2161	0.15000000	0.80000000	-0.25297619
2162	0.10000000	0.50000000	-0.29126984
2163	0.03333333	0.50000000	-0.14444444
2164	0.10000000	1.00000000	-0.31649030
2165	0.03333333	1.00000000	-0.40227273
2166	0.10000000	1.00000000	-0.12500000
2167	0.13636364	1.00000000	-0.27611111
2168	0.10000000	1.00000000	-0.23333333
2169	0.13636364	0.13636364	0.00000000
2170	0.03333333	0.80000000	-0.17500000
2171	0.10000000	1.00000000	-0.18921569
2172	0.10000000	1.00000000	-0.26250000
2173	0.10000000	0.70000000	-0.43750000
2174	0.20000000	0.50000000	-0.15555556
2175	0.13636364	0.90000000	-0.30534188
2176	0.20000000	1.00000000	-0.33333333
2177	0.10000000	1.00000000	-0.22503307
2178	0.10000000	1.00000000	-0.36413952
2179	0.03333333	1.00000000	-0.20848214
2180	0.13636364	1.00000000	-0.15000000
2181	0.10000000	0.50000000	-0.44172336
2182	0.03333333	1.00000000	-0.36826923
2183	0.03333333	1.00000000	-0.21732804
2184	0.03333333	0.80000000	-0.19691358
2185	0.25000000	1.00000000	-0.17986111
2186	0.06250000	0.75000000	-0.22202381
2187	0.10000000	0.60000000	-0.22777778
2188	0.10000000	0.80000000	-0.18603801
2189	0.03333333	1.00000000	-0.25372807
2190	0.10000000	0.80000000	-0.25000000
2191	0.03333333	0.80000000	-0.14907407
2192	0.06250000	1.00000000	-0.24090909
2193	0.06250000	1.00000000	-0.29430556
2194	0.05000000	0.50000000	-0.22500000
2195	0.06250000	1.00000000	-0.36203704
2196	0.25000000	0.50000000	-0.16666667
2197	0.10000000	0.50000000	-0.26250000
2198	0.10000000	0.75000000	-0.19444444
2199	0.10000000	0.50000000	-0.31562500
2200	0.25000000	1.00000000	-0.20000000
2201	0.20000000	0.50000000	-0.26805556
2202	0.10000000	0.80000000	-0.26782407
2203	0.03333333	1.00000000	-0.21681548
2204	0.10000000	0.50000000	-0.23888889
2205	0.10000000	0.90000000	-0.21693452
2206	0.10000000	0.80000000	-0.36666667
2207	0.03333333	1.00000000	-0.36250000
2208	0.05000000	0.70000000	-0.26388889
2209	0.03333333	0.70000000	-0.19687500

2210	0.03333333	1.00000000	-0.22960526
2211	0.03333333	1.00000000	-0.37500000
2212	0.10000000	0.60000000	-0.21250000
2213	0.10000000	1.00000000	-0.16562500
2214	0.03333333	0.90000000	-0.22964286
2215	0.20000000	0.70000000	-0.22916667
2216	0.10000000	1.00000000	-0.16269841
2217	0.10000000	0.75000000	-0.24469697
2218	0.10000000	0.80000000	-0.16666667
2219	0.10000000	0.50000000	-0.16875000
2220	0.20000000	0.37500000	0.00000000
2221	0.13636364	1.00000000	-0.36666667
2222	0.13636364	0.75000000	-0.16250000
2223	0.37500000	0.50000000	0.00000000
2224	0.13636364	1.00000000	-0.25233516
2225	0.13636364	0.50000000	-0.31011905
2226	0.13636364	0.60000000	-0.21111111
2227	0.10000000	0.50000000	-0.18333333
2228	0.10000000	1.00000000	-0.36277473
2229	0.16666667	1.00000000	-0.36250000
2230	0.13636364	0.75000000	-0.38333333
2231	0.10000000	0.80000000	-0.20833333
2232	0.10000000	0.80000000	-0.20357143
2233	0.10000000	1.00000000	-0.32035714
2234	0.05000000	1.00000000	-0.30719697
2235	0.50000000	0.50000000	-0.13348214
2236	0.10000000	1.00000000	-0.34235589
2237	0.10000000	1.00000000	-0.39428571
2238	0.16666667	0.50000000	-0.37750000
2239	0.05000000	1.00000000	-0.30902778
2240	0.35714286	1.00000000	-0.05000000
2241	0.13636364	0.60000000	-0.24629630
2242	0.20000000	0.60000000	0.00000000
2243	0.80000000	0.80000000	-0.30500000
2244	0.10000000	1.00000000	-0.20000000
2245	0.03333333	0.70000000	-0.35000000
2246	0.16000000	1.00000000	-0.10000000
2247	0.03333333	0.50000000	-0.31250000
2248	0.13636364	0.50000000	-0.19166667
2249	0.10000000	1.00000000	-0.32500000
2250	0.21428571	0.37500000	-0.16250000
2251	0.10000000	1.00000000	-0.15000000
2252	0.03333333	0.80000000	-0.13750000
2253	0.03333333	1.00000000	-0.31666667
2254	0.03333333	0.60000000	-0.30527778
2255	0.00000000	0.00000000	0.00000000
2256	0.06250000	0.80000000	-0.18500000
2257	0.10000000	0.60000000	-0.24523809
2258	0.20000000	0.50000000	-0.29513889
2259	0.10000000	0.50000000	-0.27222222
2260	0.10000000	0.70000000	-0.15833333
2261	0.06250000	1.00000000	-0.31666667
2262	0.20000000	0.60000000	-0.26250000
2263	0.16000000	1.00000000	-0.31666667

2264	0.10000000	1.00000000	-0.68750000
2265	0.13636364	0.50000000	-0.20000000
2266	0.03333333	1.00000000	-0.28497942
2267	0.13636364	0.60000000	-0.14166667
2268	0.10000000	1.00000000	-0.12685185
2269	0.10000000	0.50000000	-0.30000000
2270	0.10000000	0.80000000	-0.29166667
2271	0.10000000	1.00000000	-0.13492064
2272	0.20000000	0.70000000	-0.17777778
2273	0.06250000	0.60000000	-0.29490741
2274	0.10000000	0.75000000	-0.20833333
2275	0.10000000	0.80000000	-0.16666667
2276	0.03333333	0.50000000	-0.23703704
2277	0.13636364	0.80000000	-0.36500000
2278	0.03333333	1.00000000	-0.28777778
2279	0.10000000	1.00000000	-0.42254274
2280	0.16666667	0.80000000	0.00000000
2281	0.10000000	0.60000000	-0.21750000
2282	0.13636364	0.37500000	0.00000000
2283	0.10000000	0.60000000	-0.32619048
2284	0.10000000	0.80000000	-0.11250000
2285	0.10000000	0.50000000	-0.28888889
2286	0.10000000	0.90000000	-0.21975309
2287	0.06250000	1.00000000	-0.32375000
2288	0.05000000	0.80000000	-0.25972222
2289	0.05000000	0.50000000	-0.43935185
2290	0.03333333	0.80000000	-0.31785714
2291	0.28571429	1.00000000	-0.16666667
2292	0.13636364	0.50000000	-0.45000000
2293	0.43333333	0.43333333	-0.43571429
2294	0.10000000	1.00000000	-0.22500000
2295	0.03333333	1.00000000	-0.20178571
2296	0.05000000	1.00000000	-0.22291667
2297	0.03333333	0.50000000	-0.14027778
2298	0.05000000	1.00000000	-0.37500000
2299	0.10000000	1.00000000	-0.29833333
2300	0.03333333	1.00000000	-0.46428571
2301	0.05000000	0.80000000	-0.32182540
2302	0.13636364	0.25000000	-0.16666667
2303	0.10000000	0.60000000	-0.26944444
2304	0.10000000	0.75000000	-0.15952381
2305	0.00000000	0.00000000	0.00000000
2306	0.20000000	0.80000000	-0.39531250
2307	0.20000000	1.00000000	-0.35194693
2308	0.10000000	0.80000000	-0.28125000
2309	0.25000000	0.50000000	0.00000000
2310	0.10000000	1.00000000	-0.21583333
2311	0.05000000	1.00000000	-0.71333333
2312	0.25000000	0.70000000	-0.55000000
2313	0.13636364	0.28571429	0.00000000
2314	0.13636364	0.60000000	-0.14166667
2315	0.03333333	0.13636364	-0.22777778
2316	0.25000000	0.50000000	-0.18750000
2317	0.13636364	0.50000000	-0.27500000

2318	0.06250000	0.50000000	-0.14027778
2319	0.03333333	0.60000000	-0.32083333
2320	0.15000000	0.60000000	-0.19444444
2321	0.16666667	0.80000000	0.00000000
2322	0.05000000	1.00000000	-0.29417735
2323	0.20000000	1.00000000	-0.21250000
2324	0.13636364	1.00000000	-0.28333333
2325	0.06250000	0.50000000	-0.23809524
2326	0.10000000	0.41666667	-0.44531250
2327	0.16666667	1.00000000	0.00000000
2328	0.10000000	1.00000000	-0.37777778
2329	0.03333333	1.00000000	-0.22701058
2330	0.06250000	0.60000000	-0.32000000
2331	0.35000000	0.50000000	-0.71428571
2332	0.03333333	0.70000000	-0.33888889
2333	0.06250000	0.70000000	-0.27500000
2334	0.13636364	0.50000000	-0.22604167
2335	0.03333333	1.00000000	-0.24490741
2336	0.03333333	1.00000000	-0.35308532
2337	0.03333333	0.60000000	-0.12500000
2338	0.03333333	0.50000000	0.00000000
2339	0.50000000	0.50000000	-0.35714286
2340	0.10000000	0.80000000	-0.25509259
2341	0.13636364	0.50000000	-0.11250000
2342	0.25000000	0.25000000	0.00000000
2343	0.10000000	1.00000000	-0.22833333
2344	0.03333333	1.00000000	-0.13518519
2345	0.10000000	0.60000000	-0.17559524
2346	0.50000000	0.70000000	-0.10000000
2347	0.05000000	1.00000000	-0.31640212
2348	0.05000000	1.00000000	-0.38928571
2349	0.10000000	1.00000000	-0.27500000
2350	0.10000000	1.00000000	-0.50053419
2351	0.03333333	0.10000000	-0.26111111
2352	0.10000000	0.70000000	-0.17500000
2353	0.10000000	1.00000000	-0.40148809
2354	0.13636364	1.00000000	-0.57187500
2355	0.10000000	0.40000000	-0.60000000
2356	0.03333333	1.00000000	-0.27552083
2357	0.10000000	0.40000000	-0.10625000
2358	0.10000000	0.90000000	-0.18402778
2359	0.03333333	0.70000000	-0.19541667
2360	0.10000000	1.00000000	-0.34018288
2361	0.10000000	0.80000000	-0.25104167
2362	0.25000000	0.25000000	-0.21458333
2363	0.10000000	0.10000000	-0.26666667
2364	0.10000000	0.50000000	-0.37500000
2365	0.13636364	0.60000000	-0.36562500
2366	0.06250000	1.00000000	-0.23537415
2367	0.03333333	1.00000000	-0.29497355
2368	0.03333333	0.60000000	-0.23333333
2369	0.03333333	0.60000000	-0.19871795
2370	0.03333333	0.80000000	-0.25902778
2371	0.03333333	0.60000000	-0.36333333

2372	0.13636364	0.80000000	-0.19375000
2373	0.05000000	1.00000000	-0.40000000
2374	0.03333333	0.50000000	-0.19375000
2375	0.05000000	0.60000000	-0.18690476
2376	0.03333333	0.60000000	-0.39639918
2377	0.10000000	0.80000000	-0.24375000
2378	0.10000000	0.50000000	0.00000000
2379	0.10000000	1.00000000	-0.49722222
2380	0.16666667	0.50000000	-0.33333333
2381	0.13636364	0.80000000	-0.27731481
2382	0.10000000	0.90000000	-0.24006410
2383	0.06250000	1.00000000	-0.17708333
2384	0.10000000	1.00000000	-0.32708333
2385	0.03333333	1.00000000	-0.43522727
2386	0.03333333	1.00000000	-0.29589161
2387	0.00000000	0.00000000	0.00000000
2388	0.03333333	1.00000000	-0.21666667
2389	0.13636364	1.00000000	-0.25583333
2390	0.06250000	0.70000000	-0.30615385
2391	0.05000000	0.50000000	-0.07142857
2392	0.13636364	0.60000000	-0.50000000
2393	0.16000000	0.60000000	-0.50000000
2394	0.40000000	0.80000000	-0.09821429
2395	0.10000000	0.80000000	-0.24583333
2396	0.10000000	0.80000000	-0.16250000
2397	0.03333333	0.90000000	-0.24027778
2398	0.13636364	0.80000000	-0.22916667
2399	0.21428571	0.80000000	0.00000000
2400	0.25000000	0.50000000	0.00000000
2401	0.03333333	0.60000000	-0.10000000
2402	0.03333333	0.80000000	-0.18541005
2403	0.05000000	1.00000000	-0.44319407
2404	0.05000000	1.00000000	-0.24194444
2405	0.25000000	0.50000000	-0.09232804
2406	0.25000000	0.70000000	-0.47083333
2407	0.10000000	1.00000000	-0.55000000
2408	0.10000000	0.60000000	-0.12129630
2409	0.16000000	1.00000000	-0.35000000
2410	0.03333333	1.00000000	-0.28356331
2411	0.10000000	1.00000000	-0.15555556
2412	0.10000000	1.00000000	-0.42555556
2413	0.10000000	0.50000000	-0.14583333
2414	0.10000000	1.00000000	-0.14054233
2415	0.10000000	1.00000000	-0.34830109
2416	0.10000000	1.00000000	-0.22187500
2417	0.03333333	1.00000000	-0.25998542
2418	0.05000000	1.00000000	-0.26858237
2419	0.10000000	1.00000000	-0.22000000
2420	0.13636364	0.55000000	-0.29166667
2421	0.05000000	1.00000000	-0.28571429
2422	0.05000000	0.60000000	-0.21125000
2423	0.28571429	0.50000000	-0.08750000
2424	0.05000000	1.00000000	-0.14708333
2425	0.10000000	0.50000000	0.00000000

2426	0.10000000	1.00000000	−0.19659091
2427	0.10000000	1.00000000	−0.23500000
2428	0.20000000	0.80000000	−0.20000000
2429	0.03333333	1.00000000	−0.35318627
2430	0.05000000	1.00000000	−0.23313492
2431	0.13636364	0.80000000	−0.40000000
2432	0.10000000	0.50000000	−0.45625000
2433	0.13636364	0.70000000	−0.24090909
2434	0.03333333	1.00000000	−0.28416667
2435	0.10000000	0.10000000	−0.21851852
2436	0.13636364	1.00000000	−0.37500000
2437	0.05000000	0.50000000	−0.20223214
2438	0.10000000	1.00000000	−0.45937500
2439	0.03333333	1.00000000	−0.21486111
2440	0.10000000	0.75000000	−0.50000000
2441	0.10000000	0.40000000	0.00000000
2442	0.20000000	0.50000000	−0.34236111
2443	0.03333333	0.50000000	−0.55000000
2444	0.06250000	1.00000000	−0.31666667
2445	0.10000000	1.00000000	−0.22021605
2446	0.10000000	0.50000000	−0.40000000
2447	0.03333333	0.80000000	−0.29189815
2448	0.25000000	0.40000000	−0.25000000
2449	0.25000000	1.00000000	−0.56000000
2450	0.13636364	0.50000000	−0.20000000
2451	0.10000000	0.50000000	−0.14722222
2452	0.10000000	0.60000000	−0.22500000
2453	0.10000000	1.00000000	−0.29431217
2454	0.03333333	0.85000000	−0.28319444
2455	0.06250000	1.00000000	−0.27245370
2456	0.05000000	1.00000000	−0.29922619
2457	0.03333333	0.35000000	−0.17916667
2458	0.10000000	0.60000000	0.00000000
2459	0.10000000	0.50000000	−0.35111111
2460	0.10000000	1.00000000	−0.40148809
2461	0.10000000	0.60000000	−0.28106061
2462	0.03333333	1.00000000	−0.33534799
2463	0.03333333	1.00000000	−0.18366402
2464	0.03333333	1.00000000	−0.22888889
2465	0.10000000	0.70000000	−0.23055556
2466	0.25000000	0.50000000	−0.50000000
2467	0.03333333	1.00000000	−0.29387255
2468	0.06250000	1.00000000	−0.31666667
2469	0.03333333	1.00000000	−0.15000000
2470	0.03333333	0.60000000	−0.25595238
2471	0.10000000	0.70000000	−0.30000000
2472	0.06250000	1.00000000	−0.18080357
2473	0.13636364	0.60000000	−0.23531746
2474	0.10000000	1.00000000	−0.21250000
2475	0.20000000	1.00000000	−0.11041667
2476	0.13636364	1.00000000	−0.23703704
2477	0.10000000	0.50000000	−0.17500000
2478	0.10000000	1.00000000	−0.33437500
2479	0.06250000	1.00000000	−0.27708333

2480	0.03333333	1.00000000	-0.25618687
2481	0.13636364	1.00000000	-0.30726191
2482	0.03333333	1.00000000	-0.21768813
2483	0.13636364	0.40000000	-0.23333333
2484	0.10000000	1.00000000	-0.14500000
2485	0.10000000	0.75000000	-0.21666667
2486	0.00000000	0.00000000	-0.20000000
2487	0.20000000	0.80000000	-0.45214286
2488	0.03333333	1.00000000	-0.41944444
2489	0.15000000	0.80000000	-0.24583333
2490	0.10000000	0.60000000	-0.21833333
2491	0.10000000	0.80000000	-0.22500000
2492	0.10000000	1.00000000	-0.29694444
2493	0.10000000	1.00000000	-0.07142857
2494	0.05000000	1.00000000	-0.26543210
2495	0.10000000	0.50000000	-0.44500000
2496	0.03333333	1.00000000	-0.24687500
2497	0.10000000	0.60000000	-0.60000000
2498	0.10000000	0.70000000	-0.33333333
2499	0.03333333	1.00000000	-0.42666667
2500	0.10000000	0.43333333	-0.30000000
2501	0.03333333	0.50000000	-0.24444444
2502	0.10000000	0.60000000	-0.20000000
2503	0.10000000	1.00000000	-0.27916667
2504	0.10000000	0.90000000	-0.17962963
2505	0.10000000	1.00000000	-0.15451389
2506	0.03333333	0.60000000	-0.44166667
2507	0.10000000	0.60000000	-0.17299107
2508	0.13636364	1.00000000	-0.20000000
2509	0.10000000	0.80000000	-0.18368056
2510	0.16666667	0.50000000	-0.47500000
2511	0.50000000	0.50000000	-0.17500000
2512	0.03333333	1.00000000	-0.26237162
2513	0.10000000	0.85000000	-0.16875000
2514	0.03333333	1.00000000	-0.34259463
2515	0.16666667	0.50000000	-0.08750000
2516	0.20000000	0.60000000	-0.41666667
2517	0.10000000	0.50000000	-0.05000000
2518	0.03333333	0.60000000	-0.35000000
2519	0.13636364	0.60000000	-0.40833333
2520	0.25000000	0.80000000	-0.12500000
2521	0.03333333	1.00000000	-0.15069444
2522	0.20000000	0.70000000	-0.41875000
2523	0.03333333	0.80000000	-0.18863636
2524	0.10000000	0.90000000	-0.05000000
2525	0.20000000	0.50000000	-0.22000000
2526	0.10000000	1.00000000	-0.35813492
2527	0.10000000	0.60000000	-0.22500000
2528	0.16666667	0.80000000	-0.50000000
2529	0.10000000	0.80000000	-0.28205128
2530	0.03333333	1.00000000	0.00000000
2531	0.06250000	1.00000000	-0.32470238
2532	0.25000000	0.80000000	-0.09027778
2533	0.05000000	0.80000000	-0.18463203

2534	0.10000000	0.70000000	-0.19000000
2535	0.10000000	0.70000000	-0.16666667
2536	0.20000000	0.75000000	-0.23888889
2537	0.06250000	0.70000000	-0.16064815
2538	0.05000000	0.50000000	-0.38229167
2539	0.10000000	0.80000000	-0.39236111
2540	0.13636364	0.80000000	-0.20845238
2541	0.03333333	0.50000000	-0.08571429
2542	0.10000000	1.00000000	-0.44750000
2543	0.13636364	1.00000000	-0.35354938
2544	0.06250000	1.00000000	-0.30000000
2545	0.10000000	0.50000000	-0.16666667
2546	0.10000000	0.70000000	-0.13988095
2547	0.03333333	1.00000000	-0.22187500
2548	0.10000000	0.70000000	-0.32812500
2549	0.10000000	0.70000000	-0.11388889
2550	0.10000000	1.00000000	-0.05000000
2551	0.03333333	1.00000000	-0.15868056
2552	0.05000000	0.70000000	-0.15717593
2553	0.03333333	1.00000000	-0.29983766
2554	0.03333333	1.00000000	0.00000000
2555	0.06250000	0.50000000	-0.24166667
2556	0.13636364	1.00000000	-0.20937500
2557	0.13636364	0.80000000	-0.33342593
2558	0.10000000	0.85000000	-0.27500000
2559	0.13636364	0.70000000	-0.33333333
2560	0.25000000	0.90000000	-0.13055556
2561	0.13636364	0.60000000	-0.12500000
2562	0.13636364	0.50000000	-0.16388889
2563	0.00000000	0.00000000	0.00000000
2564	0.10000000	0.80000000	-0.22619048

	min_negative_polarity	max_negative_polarity	title_subjectivity
1	-0.60000000	-0.200000000	0.50000000
2	-0.12500000	-0.100000000	0.00000000
3	-0.80000000	-0.133333333	0.00000000
4	-0.60000000	-0.166666667	0.00000000
5	-0.50000000	-0.050000000	0.45454545
6	-0.40000000	-0.100000000	0.64285714
7	-0.50000000	-0.050000000	0.00000000
8	-0.50000000	-0.050000000	1.00000000
9	-0.12500000	-0.125000000	0.12500000
10	-0.50000000	-0.100000000	0.00000000
11	-1.00000000	-0.100000000	0.00000000
12	-0.40000000	-0.125000000	0.00000000
13	-0.60000000	-0.050000000	1.00000000
14	-0.70000000	-0.100000000	1.00000000
15	-0.18750000	-0.050000000	0.75000000
16	-0.60000000	-0.050000000	0.75000000
17	-1.00000000	-0.050000000	0.56666667
18	-0.20000000	-0.100000000	0.00000000
19	-0.12500000	-0.125000000	0.85714286
20	-0.50000000	-0.050000000	0.50000000
21	-0.50000000	-0.050000000	0.00000000
22	-0.16666667	-0.050000000	0.00000000

23	-0.50000000	-0.050000000	0.00000000
24	0.00000000	0.000000000	0.45000000
25	-1.00000000	-0.125000000	0.70000000
26	-0.20000000	-0.050000000	0.90000000
27	-0.50000000	-0.125000000	0.00000000
28	-0.50000000	-0.050000000	0.50000000
29	-0.31250000	-0.125000000	0.00000000
30	-0.60000000	-0.100000000	0.50000000
31	-0.50000000	-0.050000000	0.00000000
32	-0.80000000	-0.100000000	0.00000000
33	-0.40000000	-0.008333333	0.00000000
34	-0.40000000	-0.100000000	1.00000000
35	-0.40000000	-0.400000000	0.00000000
36	-0.50000000	-0.125000000	0.55000000
37	-0.60000000	-0.050000000	1.00000000
38	-0.50000000	-0.125000000	0.66666667
39	-0.60000000	-0.050000000	0.00000000
40	0.00000000	0.000000000	0.40000000
41	-0.50000000	-0.050000000	0.00000000
42	0.00000000	0.000000000	0.00000000
43	-0.50000000	-0.050000000	0.00000000
44	-0.50000000	-0.050000000	0.70000000
45	-0.50000000	-0.050000000	0.00000000
46	-0.30000000	-0.300000000	0.00000000
47	-0.50000000	-0.050000000	0.00000000
48	-0.80000000	-0.125000000	0.58333333
49	-0.50000000	-0.050000000	0.00000000
50	-0.50000000	-0.050000000	0.00000000
51	-0.40000000	-0.400000000	0.85000000
52	-0.50000000	-0.050000000	0.64285714
53	-0.70000000	-0.050000000	0.00000000
54	-0.50000000	-0.100000000	0.42727273
55	-0.50000000	-0.050000000	0.33333333
56	-0.40000000	-0.125000000	0.50000000
57	-1.00000000	-0.050000000	0.65000000
58	-0.40000000	-0.400000000	0.25000000
59	0.00000000	0.000000000	0.45454545
60	-0.40000000	-0.071428571	0.50000000
61	-0.50000000	-0.050000000	0.00000000
62	0.00000000	0.000000000	0.00000000
63	-0.50000000	-0.050000000	0.33333333
64	-0.40000000	-0.125000000	0.06666667
65	-0.50000000	-0.050000000	0.00000000
66	-0.40000000	-0.100000000	0.75000000
67	-0.40000000	-0.050000000	0.37500000
68	-0.30000000	-0.125000000	0.48333333
69	-0.20000000	-0.133333333	0.50000000
70	-0.10000000	-0.100000000	0.00000000
71	-0.50000000	-0.100000000	0.00000000
72	-0.50000000	-0.125000000	0.00000000
73	-0.40000000	-0.200000000	0.00000000
74	-0.25000000	-0.200000000	0.50000000
75	-0.50000000	-0.050000000	0.45454545
76	-0.20000000	-0.050000000	0.00000000

77	-0.70000000	-0.071428571	0.45454545
78	-1.00000000	-0.100000000	0.00000000
79	-0.80000000	-0.150000000	0.00000000
80	-0.80000000	-0.100000000	0.00000000
81	-0.70000000	-0.050000000	0.30000000
82	-0.15000000	-0.150000000	0.00000000
83	-0.50000000	-0.050000000	0.00000000
84	-0.50000000	-0.100000000	0.30000000
85	-0.30000000	-0.300000000	0.00000000
86	-0.50000000	-0.025000000	0.00000000
87	-0.60000000	-0.187500000	0.10000000
88	0.00000000	0.000000000	0.66666667
89	-1.00000000	-0.025000000	0.40000000
90	-0.50000000	-0.050000000	0.80000000
91	-0.50000000	-0.050000000	0.30000000
92	-0.70000000	-0.125000000	0.06666667
93	-0.20000000	-0.125000000	0.00000000
94	-0.50000000	-0.200000000	0.00000000
95	-1.00000000	-0.071428571	0.00000000
96	-0.16666667	-0.100000000	0.00000000
97	-1.00000000	-0.150000000	1.00000000
98	-0.80000000	-0.050000000	0.20000000
99	-1.00000000	-0.075000000	0.00000000
100	-0.40000000	-0.166666667	0.10000000
101	-1.00000000	-0.300000000	0.54375000
102	-0.50000000	-0.050000000	0.50000000
103	-0.50000000	-0.050000000	0.00000000
104	-0.50000000	-0.050000000	0.00000000
105	-0.50000000	-0.050000000	0.00000000
106	-0.50000000	-0.100000000	0.00000000
107	-0.60000000	-0.125000000	0.10000000
108	-0.40000000	-0.100000000	0.00000000
109	-0.30000000	-0.300000000	0.00000000
110	-0.50000000	-0.050000000	0.00000000
111	-0.30000000	-0.100000000	0.00000000
112	-0.15555556	-0.100000000	0.00000000
113	-0.50000000	-0.300000000	0.95000000
114	-1.00000000	-0.033333333	1.00000000
115	-1.00000000	-0.025000000	0.31250000
116	-0.80000000	-0.050000000	0.00000000
117	-1.00000000	-0.166666667	0.33333333
118	-0.70000000	-0.166666667	0.45454545
119	-0.50000000	-0.071428571	0.28888889
120	-0.20000000	-0.200000000	0.00000000
121	-0.80000000	-0.100000000	0.00000000
122	-0.12500000	-0.125000000	0.40000000
123	0.00000000	0.000000000	0.00000000
124	-0.50000000	-0.155555556	0.00000000
125	-0.16666667	-0.050000000	0.00000000
126	0.00000000	0.000000000	0.42857143
127	-0.60000000	-0.125000000	0.90000000
128	-0.12500000	-0.125000000	0.00000000
129	-0.71428571	-0.250000000	0.00000000
130	-0.40000000	-0.166666667	0.60000000

131	-0.80000000	-0.100000000	0.06666667
132	-1.00000000	-0.050000000	0.00000000
133	-0.50000000	-0.050000000	0.64285714
134	-0.40000000	-0.178571429	0.00000000
135	-0.50000000	-0.050000000	0.90000000
136	-0.80000000	-0.071428571	0.00000000
137	-0.50000000	-0.100000000	0.90000000
138	-0.50000000	-0.250000000	0.70000000
139	-0.50000000	-0.100000000	0.70000000
140	-0.16666667	-0.071428571	0.00000000
141	-1.00000000	-0.050000000	0.00000000
142	-0.60000000	-0.050000000	0.06666667
143	0.00000000	0.000000000	0.00000000
144	-0.25000000	-0.250000000	0.50000000
145	-1.00000000	-0.100000000	0.00000000
146	-0.40000000	-0.050000000	0.00000000
147	-0.60000000	-0.050000000	0.00000000
148	-0.50000000	-0.050000000	0.30000000
149	0.00000000	0.000000000	0.00000000
150	-0.50000000	-0.100000000	0.00000000
151	-0.20000000	-0.100000000	0.00000000
152	-0.40000000	-0.100000000	0.40000000
153	-0.80000000	-0.800000000	0.00000000
154	-0.12500000	-0.125000000	0.45454545
155	0.00000000	0.000000000	0.00000000
156	-0.70000000	-0.200000000	0.00000000
157	-1.00000000	-0.155555556	0.83333333
158	-0.50000000	-0.050000000	0.00000000
159	-0.30000000	-0.166666667	0.10000000
160	-0.40000000	-0.178571429	0.00000000
161	-0.40000000	-0.200000000	0.33333333
162	-0.60000000	-0.071428571	0.00000000
163	-1.00000000	-0.050000000	0.90000000
164	-0.50000000	-0.050000000	1.00000000
165	-0.38888889	-0.100000000	1.00000000
166	-0.80000000	-0.166666667	0.00000000
167	-0.13333333	-0.100000000	0.00000000
168	-0.50000000	-0.050000000	0.00000000
169	-0.50000000	-0.071428571	0.00000000
170	-0.40000000	-0.250000000	0.00000000
171	-0.80000000	-0.100000000	0.90000000
172	-0.50000000	-0.050000000	0.57142857
173	-0.10000000	-0.100000000	0.50000000
174	-0.20000000	-0.166666667	0.50707071
175	-0.80000000	-0.166666667	0.00000000
176	-0.50000000	-0.050000000	0.00000000
177	-1.00000000	-0.300000000	1.00000000
178	-0.50000000	-0.050000000	0.48809524
179	-0.70000000	-0.155555556	0.00000000
180	-0.50000000	-0.100000000	0.38333333
181	0.00000000	0.000000000	0.00000000
182	-0.80000000	-0.100000000	0.00000000
183	-0.25000000	-0.250000000	0.80000000
184	-0.60000000	-0.071428571	0.40000000

185	-1.00000000	-0.166666667	0.00000000
186	-0.40000000	-0.125000000	0.00000000
187	-0.60000000	-0.100000000	0.00000000
188	-0.16666667	-0.166666667	0.00000000
189	-0.50000000	-0.125000000	0.45454545
190	-0.50000000	-0.166666667	0.50000000
191	-0.60000000	-0.100000000	0.00000000
192	-0.25000000	-0.125000000	0.50000000
193	-0.90000000	-0.050000000	0.90000000
194	-0.50000000	-0.050000000	0.00000000
195	-0.30000000	-0.100000000	0.00000000
196	-1.00000000	-0.083333333	0.00000000
197	-0.60000000	-0.125000000	0.00000000
198	-0.50000000	-0.100000000	0.00000000
199	-0.50000000	-0.100000000	0.20000000
200	-0.60000000	-0.100000000	0.60000000
201	-0.10000000	-0.100000000	0.00000000
202	-0.50000000	-0.025000000	0.45454545
203	-0.70000000	-0.100000000	0.00000000
204	-0.50000000	-0.071428571	0.00000000
205	0.00000000	0.000000000	0.28333333
206	-0.40000000	-0.100000000	0.00000000
207	-0.60000000	-0.100000000	0.20000000
208	-0.50000000	-0.050000000	0.45454545
209	-0.30000000	-0.012500000	0.00000000
210	-0.50000000	-0.050000000	0.00000000
211	-0.12500000	-0.050000000	1.00000000
212	-1.00000000	-0.050000000	0.83333333
213	-0.80000000	-0.050000000	0.00000000
214	-0.60000000	-0.050000000	0.00000000
215	-1.00000000	-0.050000000	0.00000000
216	-1.00000000	-0.125000000	0.31250000
217	-0.18750000	-0.033333333	0.00000000
218	-0.25000000	-0.100000000	0.00000000
219	-0.75000000	-0.155555556	0.00000000
220	-0.30000000	-0.100000000	0.00000000
221	-0.70000000	-0.071428571	0.10000000
222	-0.20000000	-0.100000000	0.00000000
223	-0.60000000	-0.050000000	0.00000000
224	-0.60000000	-0.250000000	0.00000000
225	-0.50000000	-0.050000000	0.70000000
226	-0.25000000	-0.250000000	0.50000000
227	-0.50000000	-0.050000000	1.00000000
228	-0.15555556	-0.071428571	0.00000000
229	-0.70000000	-0.155555556	0.20000000
230	-0.70000000	-0.050000000	0.00000000
231	-0.16666667	-0.100000000	0.00000000
232	-0.30000000	-0.100000000	0.00000000
233	-0.80000000	-0.125000000	1.00000000
234	-0.80000000	-0.250000000	0.00000000
235	-0.66666667	-0.125000000	0.00000000
236	-0.80000000	-0.012500000	0.75000000
237	-0.50000000	-0.050000000	0.30000000
238	-0.80000000	-0.125000000	0.00000000

239	-0.60000000	-0.100000000	0.00000000
240	-1.00000000	-0.050000000	0.00000000
241	-0.70000000	-0.050000000	0.00000000
242	-0.60000000	-0.291666667	0.00000000
243	0.00000000	0.000000000	0.00000000
244	-0.33333333	-0.200000000	0.40000000
245	-0.15555556	-0.155555556	0.40000000
246	-0.70000000	-0.166666667	0.55000000
247	-0.50000000	-0.050000000	0.12500000
248	-0.60000000	-0.050000000	0.00000000
249	-0.20000000	-0.050000000	0.00000000
250	-0.50000000	-0.050000000	0.95000000
251	-0.12500000	-0.125000000	0.50000000
252	0.00000000	0.000000000	0.00000000
253	-0.50000000	-0.050000000	0.00000000
254	-0.60000000	-0.100000000	0.16666667
255	-0.40000000	-0.050000000	0.45454545
256	-0.80000000	-0.008333333	0.00000000
257	-0.50000000	-0.071428571	0.00000000
258	-0.18750000	-0.033333333	0.00000000
259	-0.29166667	-0.050000000	0.00000000
260	-0.40000000	-0.050000000	0.00000000
261	-0.40000000	-0.100000000	0.00000000
262	-0.30000000	-0.125000000	1.00000000
263	-0.60000000	-0.100000000	0.75000000
264	-0.20000000	-0.033333333	0.30000000
265	-1.00000000	-0.100000000	0.35000000
266	-1.00000000	-0.075000000	0.21666667
267	-0.80000000	-0.100000000	0.00000000
268	-0.25000000	-0.250000000	0.00000000
269	-0.90000000	-0.050000000	1.00000000
270	-0.50000000	-0.125000000	0.00000000
271	-0.60000000	-0.200000000	0.80000000
272	-0.15555556	-0.155555556	0.00000000
273	-1.00000000	-0.125000000	1.00000000
274	-0.70000000	-0.125000000	0.00000000
275	0.00000000	0.000000000	0.50000000
276	0.00000000	0.000000000	0.00000000
277	-0.40000000	-0.050000000	0.45454545
278	-0.75000000	-0.100000000	0.45454545
279	-0.30000000	-0.100000000	0.00000000
280	-0.50000000	-0.025000000	0.00000000
281	-0.50000000	-0.050000000	0.33333333
282	-0.80000000	-0.033333333	0.47500000
283	-0.60000000	-0.125000000	0.00000000
284	-0.30000000	-0.200000000	0.00000000
285	-0.30000000	-0.250000000	0.00000000
286	-0.20000000	-0.033333333	0.75000000
287	-0.40000000	-0.125000000	0.70000000
288	-0.70000000	-0.050000000	0.43333333
289	-0.18750000	-0.187500000	0.82500000
290	-0.50000000	-0.050000000	0.00000000
291	-0.50000000	-0.050000000	0.82142857
292	-0.50000000	-0.050000000	0.40000000

293	-0.60000000	-0.050000000	0.00000000
294	-0.66666667	-0.100000000	0.20000000
295	-0.50000000	-0.166666667	0.00000000
296	-0.50000000	-0.133333333	0.80000000
297	-0.60000000	-0.100000000	0.66666667
298	-0.80000000	-0.050000000	0.91666667
299	-1.00000000	-0.050000000	0.90000000
300	-1.00000000	-0.050000000	0.00000000
301	-0.50000000	-0.150000000	0.50000000
302	-0.80000000	-0.125000000	0.05000000
303	-0.40000000	-0.125000000	0.00000000
304	-0.40000000	-0.166666667	0.00000000
305	-0.30000000	-0.300000000	0.60000000
306	-0.15555556	-0.100000000	0.64285714
307	-0.50000000	-0.050000000	0.48809524
308	-0.31250000	-0.050000000	0.00000000
309	-0.18750000	-0.100000000	0.33333333
310	-0.20000000	-0.050000000	0.00000000
311	-0.10000000	-0.100000000	0.40000000
312	-0.75000000	-0.100000000	0.00000000
313	-0.50000000	-0.300000000	0.70000000
314	-0.80000000	-0.100000000	0.50000000
315	-0.80000000	-0.125000000	0.50000000
316	-0.10000000	-0.100000000	0.75000000
317	-1.00000000	-0.033333333	0.00000000
318	-0.20000000	-0.125000000	0.50000000
319	-0.50000000	-0.155555556	1.00000000
320	-0.70000000	-0.100000000	0.66666667
321	-1.00000000	-0.166666667	0.00000000
322	-0.50000000	-0.050000000	0.00000000
323	-0.18750000	-0.033333333	0.66666667
324	-0.60000000	-0.050000000	0.00000000
325	-0.60000000	-0.166666667	0.30000000
326	-0.50000000	-0.050000000	0.64285714
327	-0.37500000	-0.100000000	0.05000000
328	-1.00000000	-0.033333333	0.75000000
329	-0.40000000	-0.050000000	0.50000000
330	-0.50000000	-0.050000000	0.50000000
331	-0.50000000	-0.050000000	0.00000000
332	-0.80000000	-0.100000000	1.00000000
333	-0.15000000	-0.125000000	0.50000000
334	-0.50000000	-0.050000000	0.00000000
335	-1.00000000	-0.100000000	0.00000000
336	-0.40000000	-0.166666667	0.40000000
337	-0.50000000	-0.050000000	0.90000000
338	-0.12500000	-0.125000000	0.00000000
339	-0.12500000	-0.050000000	0.50000000
340	-0.70000000	-0.125000000	0.50000000
341	-0.40000000	-0.166666667	0.00000000
342	-0.50000000	-0.125000000	0.75000000
343	-0.50000000	-0.100000000	1.00000000
344	-0.70000000	-0.200000000	0.00000000
345	-0.75000000	-0.100000000	0.50000000
346	-0.60000000	-0.125000000	0.10000000

347	-0.40000000	-0.100000000	0.00000000
348	-1.00000000	-0.100000000	0.00000000
349	-0.60000000	-0.050000000	0.85000000
350	-0.18750000	-0.155555556	0.65000000
351	-1.00000000	-0.050000000	0.75000000
352	0.00000000	0.000000000	0.53750000
353	-0.29166667	-0.155555556	0.00000000
354	-0.31250000	-0.071428571	0.00000000
355	-0.50000000	-0.500000000	0.00000000
356	-0.80000000	-0.050000000	0.00000000
357	-0.50000000	-0.100000000	0.00000000
358	-0.70000000	-0.166666667	0.00000000
359	-0.62500000	-0.150000000	0.45454545
360	-0.75000000	-0.100000000	0.00000000
361	-0.60000000	-0.100000000	0.62500000
362	-0.60000000	-0.100000000	0.62500000
363	-0.40000000	-0.050000000	0.00000000
364	-1.00000000	-0.100000000	0.00000000
365	-1.00000000	-0.100000000	1.00000000
366	-0.07142857	-0.071428571	0.30000000
367	-0.50000000	-0.100000000	0.20000000
368	-0.30000000	-0.125000000	0.06666667
369	-0.40000000	-0.125000000	0.30000000
370	-0.80000000	-0.071428571	0.00000000
371	-0.60000000	-0.100000000	0.00000000
372	-0.60000000	-0.050000000	0.50000000
373	-0.50000000	-0.050000000	0.40000000
374	-0.12500000	-0.125000000	0.10000000
375	-0.30000000	-0.050000000	0.10000000
376	-0.30000000	-0.300000000	0.37500000
377	-0.12500000	-0.050000000	0.00000000
378	-0.70000000	-0.400000000	0.00000000
379	-0.50000000	-0.050000000	0.20000000
380	-0.15555556	-0.150000000	1.00000000
381	-0.60000000	-0.100000000	0.00000000
382	-0.20000000	-0.125000000	0.66666667
383	-0.12500000	-0.125000000	0.00000000
384	-0.60000000	-0.071428571	0.22500000
385	-0.40000000	-0.076923077	0.16666667
386	-0.18750000	-0.125000000	0.41666667
387	-0.50000000	-0.125000000	0.00000000
388	-0.12500000	-0.125000000	0.50707071
389	-0.40000000	-0.155555556	0.50000000
390	-0.70000000	-0.075000000	0.40000000
391	-0.25000000	-0.250000000	0.00000000
392	-0.25000000	-0.100000000	0.50000000
393	-0.80000000	-0.050000000	0.50000000
394	-0.40000000	-0.050000000	0.00000000
395	-0.50000000	-0.050000000	0.62500000
396	-0.50000000	-0.071428571	0.00000000
397	-0.50000000	-0.125000000	0.00000000
398	-0.80000000	-0.187500000	0.00000000
399	-0.80000000	-0.050000000	0.50000000
400	-0.33333333	-0.071428571	0.21428571

401	-0.40000000	-0.050000000	0.00000000
402	-0.25000000	-0.050000000	1.00000000
403	-0.60000000	-0.166666667	0.75000000
404	-0.12500000	-0.075000000	0.80000000
405	-1.00000000	-0.050000000	0.75000000
406	-0.60000000	-0.166666667	0.30000000
407	-0.40000000	-0.125000000	0.10000000
408	-1.00000000	-0.125000000	0.40000000
409	-1.00000000	-0.050000000	0.45454545
410	-0.60000000	-0.100000000	0.30000000
411	-0.50000000	-0.155555556	0.16666667
412	-0.30000000	-0.050000000	0.00000000
413	-0.15000000	-0.150000000	0.50000000
414	-0.16666667	-0.125000000	1.00000000
415	-0.70000000	-0.050000000	0.00000000
416	-1.00000000	-0.025000000	0.06666667
417	-0.50000000	-0.125000000	0.80000000
418	-0.13333333	-0.133333333	0.28333333
419	-0.30000000	-0.125000000	0.50000000
420	-1.00000000	-0.050000000	0.20000000
421	-0.40000000	-0.050000000	0.40000000
422	-0.50000000	-0.155555556	0.00000000
423	-1.00000000	-0.076923077	0.00000000
424	-0.10000000	-0.025000000	0.45454545
425	-0.25000000	-0.125000000	0.50000000
426	-0.30000000	-0.083333333	0.00000000
427	-1.00000000	-0.125000000	0.50000000
428	-1.00000000	-0.200000000	0.50000000
429	-0.60000000	-0.100000000	0.00000000
430	-0.80000000	-0.125000000	0.00000000
431	-0.50000000	-0.100000000	0.12500000
432	-0.30000000	-0.100000000	0.33333333
433	-0.20000000	-0.125000000	0.00000000
434	-0.50000000	-0.100000000	0.00000000
435	-1.00000000	-0.008333333	0.00000000
436	-0.50000000	-0.200000000	0.00000000
437	-0.40000000	-0.400000000	0.45000000
438	-1.00000000	-0.050000000	0.70707071
439	-0.71428571	-0.050000000	0.00000000
440	-0.38888889	-0.050000000	1.00000000
441	-0.60000000	-0.166666667	0.50000000
442	-0.50000000	-0.125000000	0.52222222
443	-0.12500000	-0.100000000	0.00000000
444	-1.00000000	-0.050000000	0.66666667
445	-1.00000000	-0.125000000	0.00000000
446	-0.71428571	-0.083333333	0.00000000
447	-0.50000000	-0.155555556	0.40000000
448	-0.80000000	-0.050000000	1.00000000
449	-1.00000000	-0.100000000	0.00000000
450	-0.15000000	-0.050000000	0.06666667
451	-0.60000000	-0.125000000	0.55555556
452	-0.20000000	-0.025000000	0.44166667
453	-0.15555556	-0.100000000	0.10000000
454	-0.80000000	-0.125000000	0.45454545

455	-0.05000000	-0.050000000	0.00000000
456	-0.71428571	-0.125000000	0.00000000
457	-1.00000000	-0.050000000	1.00000000
458	-0.20000000	-0.200000000	0.00000000
459	-0.65000000	-0.312500000	0.45454545
460	-0.30000000	-0.187500000	0.00000000
461	-0.75000000	-0.071428571	0.00000000
462	-0.80000000	-0.071428571	0.00000000
463	-0.25000000	-0.050000000	0.50000000
464	0.00000000	0.000000000	0.00000000
465	-0.50000000	-0.100000000	0.50000000
466	-0.40000000	-0.125000000	1.00000000
467	-0.50000000	-0.166666667	0.10000000
468	-0.15555556	-0.155555556	0.50000000
469	-1.00000000	-0.333333333	1.00000000
470	-1.00000000	-0.071428571	0.40000000
471	-0.10000000	-0.071428571	0.00000000
472	-0.80000000	-0.050000000	0.00000000
473	-0.30000000	-0.050000000	0.00000000
474	-0.20000000	-0.125000000	0.20000000
475	-0.71428571	-0.100000000	0.61111111
476	-0.80000000	-0.050000000	0.00000000
477	-0.40000000	-0.071428571	0.00000000
478	-0.16666667	-0.100000000	0.50000000
479	-0.50000000	-0.071428571	0.00000000
480	-0.30000000	-0.050000000	0.00000000
481	0.00000000	0.000000000	0.00000000
482	-0.20000000	-0.100000000	0.10000000
483	-0.60000000	-0.100000000	0.06666667
484	-0.50000000	-0.500000000	0.90000000
485	-0.40000000	-0.100000000	0.00000000
486	-0.30000000	-0.050000000	0.26060606
487	-0.40000000	-0.100000000	0.00000000
488	-0.50000000	-0.100000000	0.00000000
489	-0.60000000	-0.150000000	0.90000000
490	-0.50000000	-0.050000000	0.33333333
491	-1.00000000	-0.050000000	0.00000000
492	-0.80000000	-0.050000000	0.35000000
493	-0.25000000	-0.050000000	0.00000000
494	-0.15555556	-0.125000000	0.00000000
495	-0.50000000	-0.050000000	0.50000000
496	-1.00000000	-0.125000000	0.00000000
497	-0.60000000	-0.050000000	0.00000000
498	-0.62500000	-0.187500000	0.40000000
499	-0.38888889	-0.100000000	0.00000000
500	-0.60000000	-0.076923077	0.40000000
501	-0.20000000	-0.025000000	0.14285714
502	-1.00000000	-0.050000000	0.50000000
503	0.00000000	0.000000000	0.00000000
504	-1.00000000	-0.083333333	0.00000000
505	-0.43333333	-0.050000000	0.00000000
506	-0.50000000	-0.100000000	1.00000000
507	-0.10000000	-0.100000000	0.00000000
508	-0.60000000	-0.100000000	0.00000000

509	-0.60000000	-0.050000000	0.00000000
510	-0.40000000	-0.187500000	0.90000000
511	-0.50000000	-0.200000000	0.00000000
512	-0.40000000	-0.166666667	0.00000000
513	-0.50000000	-0.100000000	0.00000000
514	-0.30000000	-0.100000000	0.00000000
515	-0.50000000	-0.100000000	0.00000000
516	0.00000000	0.000000000	0.00000000
517	-0.50000000	-0.200000000	0.10000000
518	-0.30000000	-0.100000000	0.50000000
519	-0.50000000	-0.100000000	0.50000000
520	-0.29166667	-0.100000000	0.18888889
521	-0.60000000	-0.071428571	0.40000000
522	-1.00000000	-0.050000000	0.90000000
523	-0.60000000	-0.100000000	0.00000000
524	-0.50000000	-0.050000000	0.36666667
525	-0.30000000	-0.200000000	0.00000000
526	-0.33333333	-0.200000000	0.00000000
527	-0.30000000	-0.066666667	0.00000000
528	-1.00000000	-0.008333333	0.50000000
529	-0.33333333	-0.050000000	0.00000000
530	-0.60000000	-0.050000000	0.00000000
531	-0.50000000	-0.100000000	0.00000000
532	-0.16666667	-0.050000000	0.00000000
533	-0.30000000	-0.166666667	0.00000000
534	-0.60000000	-0.025000000	0.00000000
535	-0.71428571	-0.100000000	0.06666667
536	-0.12500000	-0.050000000	0.80000000
537	-0.50000000	-0.175000000	1.00000000
538	-0.70000000	-0.125000000	0.00000000
539	-0.25000000	-0.125000000	0.50000000
540	-0.71428571	-0.050000000	0.00000000
541	-0.80000000	-0.187500000	0.90000000
542	-0.60000000	-0.100000000	0.45454545
543	-0.50000000	-0.125000000	0.50000000
544	-0.70000000	-0.050000000	0.00000000
545	-0.30000000	-0.100000000	0.53333333
546	-0.25000000	-0.166666667	0.00000000
547	-0.10000000	-0.100000000	0.00000000
548	0.00000000	0.000000000	0.50000000
549	-0.70000000	-0.200000000	0.00000000
550	-0.31250000	-0.200000000	0.05000000
551	-0.50000000	-0.100000000	0.00000000
552	-0.50000000	-0.071428571	0.00000000
553	-0.60000000	-0.050000000	0.00000000
554	-0.50000000	-0.066666667	0.90000000
555	-0.31250000	-0.100000000	0.37727273
556	-1.00000000	-0.050000000	0.23333333
557	-0.75000000	-0.500000000	0.00000000
558	-0.66666667	-0.166666667	0.45454545
559	-0.50000000	-0.071428571	0.50000000
560	-0.80000000	-0.100000000	0.00000000
561	-0.80000000	-0.075000000	0.18333333
562	-0.40000000	-0.066666667	0.50000000

563	-0.60000000	-0.050000000	0.30000000
564	-1.00000000	-0.050000000	0.06666667
565	-0.20000000	-0.200000000	0.75000000
566	0.00000000	0.000000000	0.00000000
567	-0.18750000	-0.125000000	0.00000000
568	-0.60000000	-0.071428571	0.00000000
569	-0.50000000	-0.050000000	0.00000000
570	-0.60000000	-0.100000000	1.00000000
571	-0.20000000	-0.125000000	0.41666667
572	-0.50000000	-0.125000000	0.00000000
573	-0.40000000	-0.050000000	0.00000000
574	-0.60000000	-0.050000000	0.00000000
575	-1.00000000	-0.100000000	0.00000000
576	-0.20000000	-0.050000000	0.00000000
577	-0.50000000	-0.133333333	0.00000000
578	-1.00000000	-0.250000000	0.00000000
579	-0.20000000	-0.100000000	0.30000000
580	-0.50000000	-0.100000000	0.00000000
581	-0.50000000	-0.187500000	1.00000000
582	-0.20000000	-0.100000000	0.00000000
583	-0.60000000	-0.100000000	0.25000000
584	-0.60000000	-0.100000000	1.00000000
585	-0.75000000	-0.100000000	0.00000000
586	-0.25000000	-0.100000000	0.22727273
587	-0.60000000	-0.100000000	0.00000000
588	-0.40000000	-0.150000000	0.00000000
589	0.00000000	0.000000000	0.37500000
590	-1.00000000	-0.100000000	0.00000000
591	-0.20000000	-0.050000000	0.00000000
592	-0.40000000	-0.050000000	0.00000000
593	-0.40000000	-0.050000000	0.00000000
594	-1.00000000	-0.025000000	0.00000000
595	-0.80000000	-0.125000000	0.20000000
596	-0.66666667	-0.125000000	0.30000000
597	-0.80000000	-0.125000000	0.05000000
598	-0.40000000	-0.125000000	0.00000000
599	-0.25000000	-0.075000000	0.00000000
600	-0.70000000	-0.050000000	0.40000000
601	-0.50000000	-0.050000000	0.00000000
602	-0.80000000	-0.100000000	0.00000000
603	-0.40000000	-0.125000000	0.00000000
604	-0.50000000	-0.125000000	0.75000000
605	-0.60000000	-0.166666667	0.00000000
606	-0.25000000	-0.250000000	0.00000000
607	-0.25000000	-0.050000000	0.00000000
608	-0.50000000	-0.083333333	0.00000000
609	-1.00000000	-0.050000000	0.00000000
610	-0.80000000	-0.100000000	0.60000000
611	-0.80000000	-0.155555556	0.50000000
612	-0.40000000	-0.071428571	0.00000000
613	-1.00000000	-0.100000000	0.66666667
614	-0.50000000	-0.125000000	1.00000000
615	0.00000000	0.000000000	0.50000000
616	-1.00000000	-0.075000000	0.00000000

617	-0.71428571	-0.125000000	0.00000000
618	-0.12500000	-0.125000000	0.45454545
619	-0.30000000	-0.125000000	0.00000000
620	-0.30000000	-0.155555556	0.00000000
621	-0.80000000	-0.050000000	0.35230880
622	-1.00000000	-0.166666667	0.06666667
623	-0.90000000	-0.050000000	0.00000000
624	-0.33333333	-0.166666667	0.00000000
625	-0.40000000	-0.125000000	0.50000000
626	-0.70000000	-0.166666667	1.00000000
627	-0.40000000	-0.200000000	0.00000000
628	-0.50000000	-0.125000000	0.14444444
629	-0.50000000	-0.100000000	0.00000000
630	-0.80000000	-0.071428571	0.00000000
631	-0.40000000	-0.050000000	0.00000000
632	-0.70000000	-0.071428571	1.00000000
633	-0.50000000	-0.071428571	0.00000000
634	-0.12500000	-0.125000000	0.50000000
635	-1.00000000	-0.125000000	0.20000000
636	-0.50000000	-0.133333333	0.06666667
637	-0.66666667	-0.050000000	0.10000000
638	-0.40000000	-0.125000000	0.50000000
639	0.00000000	0.000000000	0.25000000
640	-1.00000000	-0.050000000	1.00000000
641	-0.40000000	-0.050000000	0.00000000
642	-0.20000000	-0.200000000	0.45454545
643	-0.60000000	-0.071428571	0.10000000
644	-0.25000000	-0.050000000	0.00000000
645	-0.16666667	-0.166666667	0.00000000
646	-0.29166667	-0.291666667	0.00000000
647	-0.29166667	-0.200000000	0.00000000
648	0.00000000	0.000000000	0.06666667
649	-0.50000000	-0.066666667	0.00000000
650	-0.16666667	-0.100000000	0.45454545
651	-0.70000000	-0.050000000	1.00000000
652	-0.25000000	-0.125000000	0.90000000
653	-1.00000000	-0.166666667	0.75000000
654	-0.40000000	-0.125000000	0.66666667
655	-0.50000000	-0.100000000	0.10000000
656	-0.37500000	-0.166666667	0.50000000
657	-0.40000000	-0.083333333	0.12500000
658	-0.50000000	-0.050000000	1.00000000
659	-0.50000000	-0.150000000	0.66666667
660	-0.25000000	-0.050000000	0.00000000
661	-0.21428571	-0.200000000	0.70000000
662	-1.00000000	-0.100000000	0.23333333
663	0.00000000	0.000000000	0.45454545
664	-0.80000000	-0.125000000	0.00000000
665	-0.40000000	-0.050000000	0.36666667
666	-0.60000000	-0.100000000	0.00000000
667	-0.25000000	-0.071428571	0.00000000
668	-0.30000000	-0.125000000	0.00000000
669	-0.50000000	-0.100000000	0.00000000
670	-0.10000000	-0.100000000	0.00000000

671	-0.70000000	-0.250000000	0.00000000
672	0.00000000	0.000000000	0.50000000
673	-0.20000000	-0.100000000	0.00000000
674	-0.20000000	-0.071428571	0.33333333
675	-0.60000000	-0.100000000	0.22727273
676	-0.50000000	-0.100000000	0.00000000
677	-0.20000000	-0.100000000	0.00000000
678	-1.00000000	-0.200000000	0.00000000
679	-0.30000000	-0.100000000	0.00000000
680	-0.80000000	-0.071428571	0.00000000
681	-0.80000000	-0.050000000	0.06666667
682	-0.12500000	-0.100000000	0.30000000
683	-0.60000000	-0.100000000	0.00000000
684	-1.00000000	-0.071428571	0.00000000
685	-0.50000000	-0.050000000	1.00000000
686	-0.18750000	-0.187500000	0.00000000
687	-0.60000000	-0.100000000	0.00000000
688	-1.00000000	-0.150000000	0.40000000
689	-0.70000000	-0.125000000	0.30000000
690	-0.40000000	-0.050000000	0.31818182
691	-0.20000000	-0.125000000	0.00000000
692	-0.18750000	-0.187500000	0.45454545
693	-0.30000000	-0.125000000	0.00000000
694	-0.18750000	-0.050000000	0.30000000
695	-0.40000000	-0.050000000	0.36785714
696	-0.60000000	-0.100000000	0.75000000
697	-0.60000000	-0.155555556	0.90000000
698	-1.00000000	-0.050000000	0.00000000
699	-1.00000000	-0.100000000	0.42380952
700	-0.05000000	-0.050000000	0.00000000
701	-0.40000000	-0.100000000	0.45454545
702	-0.70000000	-0.071428571	0.00000000
703	-0.31250000	-0.155555556	0.33333333
704	-0.43333333	-0.100000000	0.00000000
705	-0.60000000	-0.200000000	0.75000000
706	-0.40000000	-0.166666667	0.64285714
707	-0.40000000	-0.050000000	0.00000000
708	-0.25000000	-0.250000000	0.00000000
709	-0.25000000	-0.250000000	0.00000000
710	-0.50000000	-0.050000000	0.50000000
711	-1.00000000	-0.100000000	0.00000000
712	-0.50000000	-0.050000000	0.95000000
713	-0.20000000	-0.050000000	0.28333333
714	-0.70000000	-0.700000000	0.00000000
715	-0.50000000	-0.200000000	0.40000000
716	-0.80000000	-0.125000000	0.00000000
717	-1.00000000	-0.125000000	1.00000000
718	-0.40000000	-0.100000000	0.00000000
719	-0.33333333	-0.050000000	0.40000000
720	-0.43333333	-0.125000000	0.00000000
721	-1.00000000	-1.000000000	0.37500000
722	-0.50000000	-0.050000000	0.50000000
723	-0.60000000	-0.100000000	0.90000000
724	-1.00000000	-0.125000000	0.00000000

725	-1.00000000	-0.200000000	0.00000000
726	-0.15000000	-0.150000000	0.20000000
727	0.00000000	0.000000000	0.00000000
728	-0.50000000	-0.500000000	0.20000000
729	-0.66666667	-0.100000000	1.00000000
730	-0.70000000	-0.050000000	0.40000000
731	-0.40000000	-0.071428571	0.50000000
732	-0.80000000	-0.100000000	0.00000000
733	-0.75000000	-0.750000000	0.00000000
734	-0.25000000	-0.025000000	0.00000000
735	-0.25000000	-0.125000000	0.45454545
736	-0.16666667	-0.166666667	0.00000000
737	-1.00000000	-0.050000000	0.50000000
738	-1.00000000	-0.050000000	0.85000000
739	-1.00000000	-0.100000000	0.00000000
740	-0.50000000	-0.033333333	0.00000000
741	-0.60000000	-0.600000000	0.00000000
742	-0.60000000	-0.400000000	0.35555556
743	-0.60000000	-0.250000000	0.00000000
744	-0.70000000	-0.700000000	0.00000000
745	-0.25000000	-0.050000000	0.00000000
746	-0.40000000	-0.050000000	1.00000000
747	-0.40000000	-0.100000000	0.00000000
748	-0.50000000	-0.071428571	0.00000000
749	-0.50000000	-0.125000000	0.00000000
750	-0.20000000	-0.100000000	0.00000000
751	-0.40000000	-0.250000000	0.03333333
752	-0.40000000	-0.155555556	0.50000000
753	-0.10000000	-0.050000000	0.00000000
754	-0.40000000	-0.100000000	0.00000000
755	-0.12500000	-0.125000000	0.00000000
756	-0.10000000	-0.100000000	0.37500000
757	-0.60000000	-0.125000000	0.30000000
758	-0.40000000	-0.100000000	0.00000000
759	-0.20000000	-0.050000000	0.25000000
760	-0.30000000	-0.125000000	0.00000000
761	-0.40000000	-0.125000000	0.33333333
762	-1.00000000	-0.033333333	0.00000000
763	-0.60000000	-0.025000000	0.00000000
764	-1.00000000	-0.050000000	0.00000000
765	-1.00000000	-0.050000000	0.00000000
766	-0.80000000	-0.050000000	0.00000000
767	-0.16666667	-0.166666667	0.00000000
768	-0.80000000	-0.050000000	0.00000000
769	-0.25000000	-0.050000000	0.50000000
770	-0.70000000	-0.100000000	0.30000000
771	-0.30000000	-0.050000000	0.50000000
772	-1.00000000	-0.100000000	0.00000000
773	-1.00000000	-0.050000000	0.80000000
774	0.00000000	0.000000000	1.00000000
775	-1.00000000	-0.187500000	0.15000000
776	-0.70000000	-0.050000000	0.50000000
777	-0.30000000	-0.300000000	0.90000000
778	-1.00000000	-0.155555556	0.10000000

779	-0.80000000	-0.071428571	0.45454545
780	-0.40000000	-0.050000000	0.00000000
781	-0.25000000	-0.100000000	0.00000000
782	-1.00000000	-0.050000000	1.00000000
783	-0.50000000	-0.500000000	0.40000000
784	0.00000000	0.000000000	0.91666667
785	-0.30000000	-0.050000000	0.00000000
786	-0.25000000	-0.050000000	0.00000000
787	-0.20000000	-0.100000000	0.58333333
788	-0.60000000	-0.050000000	0.40000000
789	0.00000000	0.000000000	0.00000000
790	-0.50000000	-0.500000000	0.00000000
791	-0.40000000	-0.100000000	0.30000000
792	-0.80000000	-0.050000000	0.00000000
793	-0.30000000	-0.150000000	0.00000000
794	-1.00000000	-0.050000000	0.66666667
795	0.00000000	0.000000000	0.00000000
796	-0.30000000	-0.100000000	0.37500000
797	-0.18750000	-0.125000000	0.00000000
798	-0.40000000	-0.071428571	0.45454545
799	-0.25000000	-0.100000000	0.00000000
800	-0.40000000	-0.300000000	0.77500000
801	-0.80000000	-0.155555556	0.83333333
802	-0.18750000	-0.166666667	0.31071429
803	-1.00000000	-0.125000000	0.37500000
804	-0.60000000	-0.050000000	0.00000000
805	-0.70000000	-0.100000000	0.50000000
806	-0.40000000	-0.071428571	0.16666667
807	-0.25000000	-0.250000000	0.50000000
808	-0.25000000	-0.250000000	0.00000000
809	-0.60000000	-0.100000000	1.00000000
810	-0.50000000	-0.125000000	0.00000000
811	-0.12500000	-0.100000000	0.25000000
812	-0.60000000	-0.071428571	0.55000000
813	-0.60000000	-0.050000000	0.77000000
814	-0.80000000	-0.100000000	0.50000000
815	-0.25000000	-0.166666667	0.00000000
816	-0.25000000	-0.200000000	0.30000000
817	-0.30000000	-0.300000000	0.00000000
818	-0.50000000	-0.133333333	0.54375000
819	-0.40000000	-0.400000000	0.00000000
820	-0.50000000	-0.316666667	0.00000000
821	-0.33333333	-0.071428571	0.30000000
822	-1.00000000	-0.155555556	0.00000000
823	-0.60000000	-0.100000000	0.54000000
824	-0.40000000	-0.300000000	0.40000000
825	-0.60000000	-0.150000000	1.00000000
826	-0.40000000	-0.025000000	0.50000000
827	-0.62500000	-0.083333333	0.68888889
828	-0.70000000	-0.100000000	0.00000000
829	-0.50000000	-0.071428571	0.00000000
830	-0.70000000	-0.050000000	0.00000000
831	-0.12500000	-0.125000000	0.15000000
832	0.00000000	0.000000000	0.00000000

833	-0.66666667	-0.025000000	0.38333333
834	-1.00000000	-0.050000000	0.30000000
835	-0.40000000	-0.125000000	0.30000000
836	-0.70000000	-0.155555556	0.33333333
837	-0.20000000	-0.200000000	0.40000000
838	-0.40000000	-0.100000000	0.76666667
839	-0.50000000	-0.071428571	0.50000000
840	-0.40000000	-0.071428571	0.00000000
841	-0.18750000	-0.100000000	0.00000000
842	-0.60000000	-0.100000000	0.75000000
843	-0.60000000	-0.500000000	0.30000000
844	-0.70000000	-0.071428571	0.00000000
845	-0.40000000	-0.200000000	0.50000000
846	-0.80000000	-0.150000000	0.66666667
847	-0.40000000	-0.400000000	0.00000000
848	0.00000000	0.000000000	0.00000000
849	-0.50000000	-0.155555556	0.00000000
850	-0.50000000	-0.050000000	0.30000000
851	-0.16666667	-0.100000000	1.00000000
852	-0.60000000	-0.100000000	0.80000000
853	-1.00000000	-0.050000000	0.30000000
854	-1.00000000	-0.050000000	0.00000000
855	-0.25000000	-0.250000000	0.40000000
856	-0.40000000	-0.125000000	0.00000000
857	0.00000000	0.000000000	0.00000000
858	-0.60000000	-0.100000000	0.45454545
859	0.00000000	0.000000000	0.00000000
860	-0.70000000	-0.125000000	0.54000000
861	-0.20000000	-0.200000000	0.50000000
862	-0.07142857	-0.071428571	0.45454545
863	-0.50000000	-0.125000000	0.00000000
864	-0.80000000	-0.100000000	0.00000000
865	-0.25000000	-0.066666667	0.00000000
866	-0.30000000	-0.100000000	0.00000000
867	0.00000000	0.000000000	0.37500000
868	-0.20000000	-0.200000000	0.00000000
869	-0.50000000	-0.125000000	0.56428571
870	-0.30000000	-0.250000000	0.00000000
871	-0.40000000	-0.100000000	0.00000000
872	-0.30000000	-0.100000000	0.87500000
873	-0.40000000	-0.071428571	0.00000000
874	-0.80000000	-0.155555556	0.50000000
875	-0.40000000	-0.050000000	0.00000000
876	-0.70000000	-0.155555556	0.50000000
877	-1.00000000	-0.100000000	0.30000000
878	-0.60000000	-0.100000000	0.00000000
879	-0.70000000	-0.300000000	1.00000000
880	0.00000000	0.000000000	0.00000000
881	-0.18750000	-0.071428571	0.62500000
882	-0.20000000	-0.200000000	0.00000000
883	-0.50000000	-0.050000000	1.00000000
884	0.00000000	0.000000000	0.00000000
885	-0.16666667	-0.125000000	0.16666667
886	-1.00000000	-0.600000000	0.50000000

887	-0.50000000	-0.125000000	0.60000000
888	-0.50000000	-0.050000000	0.55000000
889	-0.66666667	-0.400000000	0.00000000
890	-0.30000000	-0.100000000	0.00000000
891	-0.50000000	-0.100000000	0.00000000
892	-1.00000000	-0.050000000	0.00000000
893	-0.80000000	-0.050000000	0.70000000
894	0.00000000	0.000000000	0.55000000
895	-1.00000000	-0.071428571	0.41666667
896	-0.40000000	-0.125000000	0.40000000
897	-0.12500000	-0.100000000	1.00000000
898	-0.40000000	-0.125000000	0.64285714
899	-0.40000000	-0.400000000	0.48333333
900	-0.50000000	-0.071428571	0.54000000
901	-0.75000000	-0.100000000	0.00000000
902	-0.40000000	-0.100000000	0.00000000
903	-0.40000000	-0.125000000	0.00000000
904	-0.40000000	-0.050000000	0.15000000
905	-0.16666667	-0.100000000	0.00000000
906	-0.50000000	-0.125000000	0.37500000
907	-0.50000000	-0.100000000	0.45454545
908	-0.70000000	-0.100000000	0.00000000
909	0.00000000	0.000000000	0.45000000
910	-1.00000000	-0.100000000	0.52000000
911	-0.20000000	-0.100000000	0.65000000
912	-0.62500000	-0.050000000	0.45454545
913	-0.60000000	-0.100000000	0.60000000
914	-0.66666667	-0.050000000	0.54166667
915	-0.50000000	-0.125000000	0.00000000
916	-0.50000000	-0.071428571	0.75000000
917	-0.30000000	-0.100000000	0.50000000
918	0.00000000	0.000000000	0.00000000
919	-0.50000000	-0.100000000	0.40000000
920	-0.80000000	-0.100000000	0.00000000
921	0.00000000	0.000000000	0.37500000
922	-0.50000000	-0.125000000	0.00000000
923	-0.50000000	-0.125000000	0.00000000
924	-0.50000000	-0.050000000	0.00000000
925	-0.50000000	-0.071428571	0.00000000
926	-1.00000000	-0.050000000	0.00000000
927	-0.20000000	-0.050000000	0.00000000
928	-0.50000000	-0.125000000	0.00000000
929	-0.29166667	-0.050000000	0.66666667
930	-0.33333333	-0.187500000	0.65000000
931	-1.00000000	-0.400000000	0.00000000
932	-0.30000000	-0.083333333	0.40000000
933	-0.05000000	-0.050000000	0.50000000
934	-0.50000000	-0.050000000	0.00000000
935	-0.50000000	-0.075000000	0.00000000
936	0.00000000	0.000000000	0.00000000
937	-0.18750000	-0.100000000	0.64444444
938	-0.60000000	-0.050000000	0.62500000
939	-0.60000000	-0.050000000	0.45454545
940	-0.60000000	-0.012500000	0.50000000

941	-0.40000000	-0.100000000	0.14444444
942	-0.15000000	-0.025000000	0.10000000
943	-1.00000000	-1.000000000	0.27727273
944	-0.40000000	-0.400000000	0.00000000
945	-0.60000000	-0.050000000	0.20000000
946	-0.16666667	-0.166666667	0.64285714
947	-0.60000000	-0.133333333	0.40000000
948	-0.30000000	-0.100000000	0.55227273
949	-0.30000000	-0.125000000	1.00000000
950	-0.50000000	-0.083333333	0.00000000
951	-0.40000000	-0.312500000	0.00000000
952	-0.62500000	-0.250000000	0.00000000
953	-0.30000000	-0.300000000	0.18888889
954	-0.31250000	-0.125000000	0.03333333
955	-0.50000000	-0.166666667	0.73333333
956	-0.70000000	-0.700000000	0.50000000
957	-1.00000000	-0.100000000	0.08333333
958	-0.50000000	-0.100000000	0.00000000
959	-0.80000000	-0.050000000	0.00000000
960	-0.40000000	-0.400000000	0.10000000
961	0.00000000	0.000000000	0.00000000
962	-1.00000000	-0.100000000	0.00000000
963	-0.40000000	-0.155555556	0.00000000
964	-1.00000000	-0.100000000	0.33333333
965	-0.50000000	-0.100000000	0.40000000
966	-0.66666667	-0.050000000	0.00000000
967	-0.87500000	-0.050000000	0.12500000
968	-0.50000000	-0.066666667	0.30000000
969	-0.25000000	-0.125000000	0.45454545
970	-0.12500000	-0.125000000	0.50000000
971	-0.90000000	-0.075000000	0.10000000
972	-0.50000000	-0.100000000	0.64285714
973	-0.50000000	-0.025000000	0.40000000
974	-0.60000000	-0.050000000	0.00000000
975	-0.40000000	-0.071428571	0.45454545
976	-0.16666667	-0.125000000	0.06666667
977	-0.20000000	-0.200000000	0.40000000
978	-1.00000000	-0.100000000	0.65000000
979	-0.25000000	-0.100000000	0.37500000
980	-0.50000000	-0.050000000	0.00000000
981	-0.80000000	-0.155555556	0.00000000
982	-0.20000000	-0.200000000	0.02222222
983	-0.30000000	-0.125000000	0.47500000
984	-0.70000000	-0.125000000	0.00000000
985	-0.30000000	-0.150000000	0.00000000
986	-0.38888889	-0.388888889	1.00000000
987	-0.40000000	-0.050000000	1.00000000
988	-0.80000000	-0.125000000	0.00000000
989	-1.00000000	-0.050000000	0.00000000
990	-0.25000000	-0.025000000	0.21250000
991	-0.50000000	-0.250000000	0.00000000
992	-0.50000000	-0.166666667	0.28888889
993	-0.29166667	-0.050000000	0.00000000
994	-0.30000000	-0.155555556	0.28888889

995	-0.20000000	-0.100000000	0.00000000
996	-0.50000000	-0.125000000	0.00000000
997	-0.31250000	-0.100000000	0.06666667
998	-0.62500000	-0.071428571	0.25000000
999	-0.25000000	-0.100000000	0.00000000
1000	-0.50000000	-0.166666667	0.00000000
1001	0.00000000	0.000000000	0.00000000
1002	-0.25000000	-0.008333333	0.00000000
1003	-0.50000000	-0.071428571	0.00000000
1004	-0.60000000	-0.125000000	0.66666667
1005	-0.33333333	-0.166666667	0.00000000
1006	-0.62500000	-0.050000000	0.00000000
1007	-0.70000000	-0.155555556	0.57142857
1008	-0.12500000	-0.125000000	0.30000000
1009	-0.05000000	-0.050000000	0.50000000
1010	-0.60000000	-0.100000000	0.20000000
1011	-0.10000000	-0.100000000	0.80000000
1012	-1.00000000	-0.050000000	0.68333333
1013	-0.25000000	-0.250000000	0.25000000
1014	-0.50000000	-0.300000000	0.00000000
1015	-0.20000000	-0.200000000	0.00000000
1016	-0.50000000	-0.125000000	0.00000000
1017	-0.40000000	-0.071428571	0.33333333
1018	-0.13333333	-0.100000000	0.31666667
1019	-0.50000000	-0.050000000	0.08333333
1020	-0.70000000	-0.100000000	0.00000000
1021	-0.50000000	-0.050000000	0.00000000
1022	-0.50000000	-0.150000000	0.65000000
1023	-0.40000000	-0.050000000	0.00000000
1024	-0.80000000	-0.100000000	0.00000000
1025	-0.60000000	-0.050000000	0.00000000
1026	-0.40000000	-0.166666667	0.43333333
1027	-0.60000000	-0.166666667	0.00000000
1028	-0.25000000	-0.100000000	0.00000000
1029	-0.50000000	-0.125000000	0.20000000
1030	-0.80000000	-0.666666667	0.83333333
1031	-1.00000000	-0.025000000	0.50833333
1032	-0.60000000	-0.050000000	0.66666667
1033	-0.16666667	-0.125000000	0.71428571
1034	-0.30000000	-0.100000000	0.00000000
1035	-0.60000000	-0.050000000	0.00000000
1036	-1.00000000	-0.100000000	0.00000000
1037	-0.60000000	-0.076923077	0.25000000
1038	-0.25000000	-0.100000000	0.50000000
1039	-0.25000000	-0.155555556	0.00000000
1040	-1.00000000	-0.100000000	0.00000000
1041	-0.16666667	-0.125000000	0.00000000
1042	-0.50000000	-0.050000000	0.90000000
1043	-0.80000000	-0.155555556	0.00000000
1044	-0.40000000	-0.100000000	0.75000000
1045	-0.80000000	-0.125000000	0.60000000
1046	-0.60000000	-0.071428571	0.26060606
1047	-1.00000000	-0.100000000	0.00000000
1048	-0.50000000	-0.050000000	0.00000000

1049	-1.00000000	-0.025000000	0.00000000
1050	-0.50000000	-0.100000000	1.00000000
1051	-0.60000000	-0.008333333	0.33333333
1052	-0.50000000	-0.100000000	0.50000000
1053	-0.60000000	-0.050000000	0.60000000
1054	-0.60000000	-0.125000000	0.50000000
1055	-0.13333333	-0.100000000	0.00000000
1056	-0.50000000	-0.050000000	0.00000000
1057	-0.40000000	-0.050000000	1.00000000
1058	-0.40000000	-0.400000000	0.50000000
1059	-0.70000000	-0.050000000	1.00000000
1060	-0.50000000	-0.100000000	0.00000000
1061	-0.60000000	-0.050000000	1.00000000
1062	-0.87500000	-0.050000000	0.00000000
1063	0.00000000	0.000000000	0.00000000
1064	-0.16666667	-0.150000000	0.16666667
1065	-0.40000000	-0.100000000	0.66666667
1066	-0.60000000	-0.100000000	0.70000000
1067	0.00000000	0.000000000	0.37500000
1068	-1.00000000	-0.050000000	0.00000000
1069	-0.60000000	-0.050000000	0.00000000
1070	-0.50000000	-0.125000000	0.00000000
1071	-0.30000000	-0.050000000	1.00000000
1072	-0.50000000	-0.100000000	0.00000000
1073	-1.00000000	-0.100000000	0.00000000
1074	-0.12500000	-0.125000000	0.00000000
1075	-0.50000000	-0.155555556	0.00000000
1076	-1.00000000	-0.050000000	0.00000000
1077	-0.50000000	-0.071428571	0.06666667
1078	-0.12500000	-0.071428571	0.70000000
1079	-0.16666667	-0.100000000	0.00000000
1080	-0.40000000	-0.187500000	0.00000000
1081	0.00000000	0.000000000	0.33333333
1082	-1.00000000	-0.100000000	1.00000000
1083	-0.16666667	-0.050000000	0.50000000
1084	-0.16666667	-0.050000000	0.20000000
1085	-1.00000000	-0.050000000	0.00000000
1086	-0.40000000	-0.400000000	1.00000000
1087	-0.40000000	-0.100000000	0.75000000
1088	-0.70000000	-0.050000000	0.00000000
1089	-0.80000000	-0.125000000	0.30000000
1090	-0.20000000	-0.071428571	0.25000000
1091	-0.75000000	-0.050000000	0.00000000
1092	-0.16666667	-0.166666667	0.50000000
1093	-0.50000000	-0.071428571	0.00000000
1094	0.00000000	0.000000000	0.00000000
1095	-0.50000000	-0.125000000	0.10000000
1096	-0.38888889	-0.125000000	1.00000000
1097	-0.33333333	-0.333333333	0.00000000
1098	-0.50000000	-0.300000000	0.73333333
1099	-0.66666667	-0.050000000	0.00000000
1100	-0.60000000	-0.033333333	0.00000000
1101	-0.50000000	-0.125000000	0.83333333
1102	-0.50000000	-0.050000000	0.00000000

1103	-0.50000000	-0.050000000	0.90000000
1104	-0.50000000	-0.050000000	0.45454545
1105	-0.60000000	-0.100000000	0.30000000
1106	-0.60000000	-0.050000000	0.00000000
1107	-0.80000000	-0.100000000	0.00000000
1108	-0.16666667	-0.125000000	0.00000000
1109	-0.90000000	-0.125000000	0.00000000
1110	-0.80000000	-0.125000000	0.00000000
1111	-0.80000000	-0.125000000	0.00000000
1112	-0.30000000	-0.071428571	0.75000000
1113	-1.00000000	-0.125000000	0.00000000
1114	-0.40000000	-0.166666667	0.00000000
1115	-1.00000000	-0.125000000	0.00000000
1116	-0.50000000	-0.050000000	0.00000000
1117	-0.40000000	-0.125000000	0.00000000
1118	-0.60000000	-0.125000000	0.70000000
1119	-1.00000000	-0.100000000	0.00000000
1120	-1.00000000	-0.050000000	1.00000000
1121	-0.70000000	-0.100000000	0.50000000
1122	0.00000000	0.000000000	0.06666667
1123	-0.50000000	-0.125000000	0.00000000
1124	-0.70000000	-0.125000000	0.30000000
1125	-0.60000000	-0.100000000	0.30000000
1126	-0.60000000	-0.100000000	0.00000000
1127	-0.40000000	-0.166666667	0.22222222
1128	0.00000000	0.000000000	0.00000000
1129	-0.30000000	-0.125000000	0.00000000
1130	-0.50000000	-0.066666667	0.00000000
1131	-0.62500000	-0.100000000	0.00000000
1132	-1.00000000	-0.050000000	0.40000000
1133	-0.20000000	-0.050000000	0.00000000
1134	-0.70000000	-0.050000000	0.25000000
1135	-0.50000000	-0.050000000	0.50000000
1136	-0.60000000	-0.187500000	1.00000000
1137	-1.00000000	-0.125000000	0.00000000
1138	-0.18750000	-0.100000000	0.33333333
1139	-0.90000000	-0.012500000	0.00000000
1140	-0.40000000	-0.166666667	0.54870130
1141	-0.16666667	-0.166666667	0.00000000
1142	-0.70000000	-0.200000000	0.66666667
1143	-0.10000000	-0.100000000	0.85000000
1144	-0.40000000	-0.025000000	0.43333333
1145	-0.80000000	-0.050000000	0.80000000
1146	-1.00000000	-0.050000000	0.75000000
1147	-1.00000000	-0.125000000	0.88888889
1148	-0.70000000	-0.166666667	0.00000000
1149	0.00000000	0.000000000	0.08333333
1150	-0.29166667	-0.050000000	0.00000000
1151	-0.50000000	-0.500000000	0.00000000
1152	-0.20000000	-0.200000000	0.00000000
1153	-0.40000000	-0.166666667	0.00000000
1154	-0.50000000	-0.050000000	0.50000000
1155	-0.15555556	-0.100000000	0.00000000
1156	-0.20000000	-0.100000000	0.00000000

1157	-0.33333333	-0.100000000	0.00000000
1158	-0.40000000	-0.071428571	0.85000000
1159	-0.80000000	-0.050000000	0.00000000
1160	-0.70000000	-0.100000000	0.43333333
1161	-0.40000000	-0.100000000	0.50000000
1162	-0.50000000	-0.250000000	0.00000000
1163	-0.50000000	-0.100000000	0.43666667
1164	-0.60000000	-0.187500000	0.30000000
1165	-0.16666667	-0.166666667	0.50000000
1166	-0.50000000	-0.500000000	0.00000000
1167	-0.40000000	-0.125000000	0.40000000
1168	-0.25000000	-0.125000000	0.00000000
1169	-0.16666667	-0.100000000	0.00000000
1170	-0.70000000	-0.100000000	0.00000000
1171	-1.00000000	-0.071428571	0.00000000
1172	-0.20000000	-0.100000000	0.20000000
1173	-0.50000000	-0.050000000	0.00000000
1174	-0.20000000	-0.100000000	0.45000000
1175	-0.25000000	-0.125000000	1.00000000
1176	-1.00000000	-0.125000000	0.00000000
1177	-0.80000000	-0.800000000	0.55000000
1178	-0.40000000	-0.125000000	0.40000000
1179	-0.40000000	-0.125000000	0.50000000
1180	-0.40000000	-0.050000000	0.12500000
1181	-0.25000000	-0.125000000	0.00000000
1182	-0.80000000	-0.050000000	0.50000000
1183	-0.66666667	-0.076923077	0.00000000
1184	-0.50000000	-0.125000000	1.00000000
1185	-0.16666667	-0.166666667	0.00000000
1186	-0.40000000	-0.100000000	0.40000000
1187	-0.50000000	-0.155555556	0.28888889
1188	-0.80000000	-0.100000000	0.00000000
1189	0.00000000	0.000000000	0.10000000
1190	-0.50000000	-0.250000000	0.00000000
1191	-0.50000000	-0.133333333	0.33333333
1192	-0.20000000	-0.050000000	0.10000000
1193	-0.30000000	-0.025000000	0.45454545
1194	-0.60000000	-0.050000000	0.00000000
1195	-0.50000000	-0.050000000	0.14444444
1196	-0.30000000	-0.300000000	0.00000000
1197	-0.16666667	-0.050000000	0.00000000
1198	-0.30000000	-0.200000000	0.00000000
1199	-0.31250000	-0.125000000	0.06666667
1200	-0.71428571	-0.050000000	1.00000000
1201	-0.80000000	-0.100000000	0.33333333
1202	-0.60000000	-0.100000000	0.90000000
1203	-0.29166667	-0.250000000	0.83333333
1204	-0.13333333	-0.125000000	0.10000000
1205	-0.14285714	-0.050000000	0.20000000
1206	-0.30000000	-0.166666667	0.45454545
1207	-0.40000000	-0.125000000	0.65000000
1208	-0.80000000	-0.050000000	0.83333333
1209	0.00000000	0.000000000	0.37500000
1210	-0.25000000	-0.071428571	0.00000000

1211	-0.56666667	-0.200000000	0.00000000
1212	-0.50000000	-0.050000000	0.00000000
1213	-0.40000000	-0.125000000	0.45454545
1214	-1.00000000	-0.050000000	0.90000000
1215	-0.40000000	-0.100000000	0.23333333
1216	-0.70000000	-0.100000000	0.00000000
1217	-1.00000000	-0.050000000	0.00000000
1218	-0.70000000	-0.050000000	0.00000000
1219	-0.70000000	-0.125000000	0.00000000
1220	-1.00000000	-0.100000000	0.00000000
1221	0.00000000	0.000000000	0.00000000
1222	-0.70000000	-0.125000000	0.30000000
1223	-0.60000000	-0.600000000	0.00000000
1224	-0.80000000	-0.050000000	0.85000000
1225	-0.40000000	-0.025000000	0.77777778
1226	0.00000000	0.000000000	0.00000000
1227	-1.00000000	-0.050000000	0.66666667
1228	-0.62500000	-0.071428571	0.50000000
1229	-0.16666667	-0.125000000	0.06666667
1230	-0.70000000	-0.155555556	0.83333333
1231	-1.00000000	-1.000000000	0.00000000
1232	-0.40000000	-0.400000000	0.33333333
1233	-0.40000000	-0.071428571	0.50000000
1234	0.00000000	0.000000000	0.00000000
1235	-0.16666667	-0.071428571	0.80000000
1236	-0.30000000	-0.050000000	0.00000000
1237	-0.40000000	-0.100000000	0.00000000
1238	-0.40000000	-0.400000000	0.00000000
1239	-1.00000000	-0.050000000	0.00000000
1240	-1.00000000	-0.050000000	0.00000000
1241	0.00000000	0.000000000	0.30000000
1242	0.00000000	0.000000000	0.00000000
1243	-0.60000000	-0.187500000	0.10000000
1244	-0.75000000	-0.750000000	0.66666667
1245	-0.60000000	-0.050000000	0.57000000
1246	-0.62500000	-0.050000000	0.30000000
1247	-0.50000000	-0.100000000	0.00000000
1248	-0.40000000	-0.125000000	0.52222222
1249	-1.00000000	-0.200000000	0.00000000
1250	-0.16666667	-0.166666667	0.45454545
1251	-0.60000000	-0.155555556	0.30000000
1252	-0.50000000	-0.100000000	0.00000000
1253	-0.30000000	-0.050000000	0.20000000
1254	-0.40000000	-0.100000000	0.00000000
1255	-0.30000000	-0.100000000	0.05000000
1256	-0.15555556	-0.100000000	0.00000000
1257	-0.31250000	-0.100000000	0.20000000
1258	0.00000000	0.000000000	0.37500000
1259	-0.50000000	-0.500000000	0.00000000
1260	-1.00000000	-0.050000000	0.34444444
1261	-0.80000000	-0.155555556	0.00000000
1262	-0.50000000	-0.050000000	0.60000000
1263	-1.00000000	-0.071428571	0.00000000
1264	-0.30000000	-0.125000000	0.52142857

1265	-0.66666667	-0.166666667	0.45000000
1266	-0.10000000	-0.071428571	0.22222222
1267	-0.20000000	-0.125000000	0.00000000
1268	-0.16666667	-0.166666667	1.00000000
1269	0.00000000	0.000000000	0.20000000
1270	-1.00000000	-0.050000000	0.00000000
1271	-0.80000000	-0.800000000	0.81250000
1272	0.00000000	0.000000000	0.00000000
1273	-0.13333333	-0.125000000	0.00000000
1274	-0.25000000	-0.071428571	0.75000000
1275	-0.20000000	-0.100000000	0.54000000
1276	-0.25000000	-0.155555556	0.33333333
1277	-0.60000000	-0.050000000	0.90000000
1278	-0.80000000	-0.076923077	0.20000000
1279	-0.29166667	-0.291666667	0.00000000
1280	-0.40000000	-0.050000000	0.00000000
1281	-0.15555556	-0.025000000	0.60000000
1282	-0.40000000	-0.166666667	1.00000000
1283	-0.30000000	-0.125000000	0.00000000
1284	-0.50000000	-0.155555556	0.00000000
1285	-0.80000000	-0.050000000	0.00000000
1286	-0.16666667	-0.050000000	0.65000000
1287	-0.50000000	-0.050000000	0.00000000
1288	-0.80000000	-0.125000000	1.00000000
1289	-0.70000000	-0.100000000	0.40000000
1290	-0.40000000	-0.071428571	0.50000000
1291	-0.60000000	-0.100000000	0.00000000
1292	-0.07142857	-0.071428571	0.75000000
1293	-0.90000000	-0.125000000	0.00000000
1294	-0.80000000	-0.050000000	0.00000000
1295	-0.60000000	-0.050000000	0.70000000
1296	-0.60000000	-0.100000000	0.20000000
1297	-0.80000000	-0.166666667	0.45454545
1298	-0.30000000	-0.125000000	0.45454545
1299	-0.30000000	-0.125000000	0.00000000
1300	-0.40000000	-0.050000000	0.10000000
1301	-0.40000000	-0.050000000	0.45454545
1302	-0.50000000	-0.125000000	0.72727273
1303	-0.30000000	-0.300000000	0.28333333
1304	-1.00000000	-0.166666667	0.10000000
1305	-0.20000000	-0.125000000	0.37500000
1306	-0.66666667	-0.050000000	1.00000000
1307	-0.40000000	-0.125000000	0.00000000
1308	-0.29166667	-0.291666667	0.50000000
1309	0.00000000	0.000000000	0.62727273
1310	-0.25000000	-0.250000000	0.00000000
1311	-0.30000000	-0.300000000	0.40000000
1312	-0.12500000	-0.125000000	0.50000000
1313	0.00000000	0.000000000	0.28333333
1314	-0.60000000	-0.125000000	0.00000000
1315	-0.60000000	-0.071428571	0.00000000
1316	-0.40000000	-0.050000000	0.00000000
1317	-0.16666667	-0.025000000	0.37727273
1318	-0.50000000	-0.150000000	0.94444444

1319	-0.50000000	-0.155555556	0.00000000
1320	-0.25000000	-0.133333333	0.06666667
1321	-0.30000000	-0.050000000	0.00000000
1322	-0.66666667	-0.100000000	0.40000000
1323	-0.31250000	-0.125000000	0.28888889
1324	-0.23076923	-0.125000000	0.85000000
1325	-0.40000000	-0.400000000	0.30000000
1326	-1.00000000	-0.125000000	0.00000000
1327	-0.25000000	-0.071428571	0.10000000
1328	-0.25000000	-0.050000000	0.00000000
1329	-0.18750000	-0.187500000	0.37500000
1330	-0.29166667	-0.200000000	0.23333333
1331	-0.20000000	-0.166666667	0.00000000
1332	-0.50000000	-0.333333333	0.00000000
1333	-0.50000000	-0.050000000	1.00000000
1334	-0.40000000	-0.100000000	0.43333333
1335	-0.50000000	-0.100000000	0.00000000
1336	-0.66666667	-0.071428571	0.33333333
1337	0.00000000	0.000000000	0.50000000
1338	-0.25000000	-0.125000000	0.50000000
1339	-0.40000000	-0.071428571	0.95000000
1340	-0.07142857	-0.050000000	0.00000000
1341	0.00000000	0.000000000	0.00000000
1342	0.00000000	0.000000000	0.00000000
1343	-0.12500000	-0.125000000	0.00000000
1344	-0.60000000	-0.050000000	0.00000000
1345	-0.80000000	-0.050000000	0.66666667
1346	-0.29166667	-0.100000000	0.00000000
1347	-0.80000000	-0.050000000	0.00000000
1348	-0.62500000	-0.100000000	0.21428571
1349	-0.10000000	-0.100000000	0.06666667
1350	-1.00000000	-0.050000000	0.68888889
1351	-1.00000000	-0.075000000	0.00000000
1352	0.00000000	0.000000000	0.00000000
1353	0.00000000	0.000000000	0.00000000
1354	-0.60000000	-0.050000000	0.00000000
1355	-0.40000000	-0.125000000	0.70833333
1356	-0.30000000	-0.300000000	0.00000000
1357	-0.15555556	-0.155555556	0.00000000
1358	-0.50000000	-0.125000000	0.10000000
1359	-0.50000000	-0.050000000	0.00000000
1360	-0.50000000	-0.050000000	0.00000000
1361	-0.25000000	-0.083333333	0.00000000
1362	-0.70000000	-0.100000000	0.00000000
1363	-0.16666667	-0.133333333	0.33333333
1364	-0.50000000	-0.050000000	0.40000000
1365	-0.25000000	-0.100000000	0.00000000
1366	-0.80000000	-0.050000000	0.00000000
1367	-0.29166667	-0.155555556	0.00000000
1368	-0.29166667	-0.071428571	0.10000000
1369	-1.00000000	-0.150000000	0.20000000
1370	-0.16666667	-0.100000000	0.00000000
1371	-1.00000000	-0.100000000	0.00000000
1372	-0.60000000	-0.400000000	0.40000000

1373	-0.40000000	-0.050000000	0.00000000
1374	-0.87500000	-0.083333333	0.83333333
1375	-0.50000000	-0.100000000	0.10000000
1376	-0.40000000	-0.025000000	0.38333333
1377	-0.80000000	-0.050000000	0.73333333
1378	-0.60000000	-0.125000000	0.10000000
1379	-0.20000000	-0.125000000	0.50000000
1380	-0.70000000	-0.050000000	0.00000000
1381	-0.50000000	-0.071428571	1.00000000
1382	-0.50000000	-0.166666667	0.90000000
1383	-0.30000000	-0.050000000	0.22916667
1384	-0.18750000	-0.125000000	0.00000000
1385	-0.60000000	-0.050000000	0.30000000
1386	-0.50000000	-0.008333333	0.05000000
1387	-0.16666667	-0.025000000	0.00000000
1388	-0.20000000	-0.125000000	0.00000000
1389	-1.00000000	-0.050000000	0.00000000
1390	-0.60000000	-0.125000000	0.66666667
1391	-0.50000000	-0.125000000	0.00000000
1392	-0.62500000	-0.300000000	0.45000000
1393	-0.60000000	-0.125000000	1.00000000
1394	-0.80000000	-0.050000000	0.72727273
1395	-0.40000000	-0.400000000	0.00000000
1396	0.00000000	0.000000000	0.00000000
1397	-0.05000000	-0.050000000	0.00000000
1398	0.00000000	0.000000000	0.66666667
1399	-0.60000000	-0.125000000	0.00000000
1400	0.00000000	0.000000000	0.40000000
1401	-0.50000000	-0.100000000	0.00000000
1402	-0.60000000	-0.100000000	0.16666667
1403	-0.40000000	-0.100000000	0.66666667
1404	-0.20000000	-0.200000000	0.36666667
1405	-0.30000000	-0.100000000	0.00000000
1406	-0.80000000	-0.050000000	0.89583333
1407	0.00000000	0.000000000	0.00000000
1408	-0.31250000	-0.100000000	0.83333333
1409	-0.70000000	-0.071428571	0.00000000
1410	-1.00000000	-0.050000000	1.00000000
1411	-0.40000000	-0.400000000	0.00000000
1412	-1.00000000	-0.033333333	0.83333333
1413	-0.60000000	-0.600000000	0.30000000
1414	-0.50000000	-0.200000000	0.75000000
1415	-0.40000000	-0.125000000	0.00000000
1416	-0.20000000	-0.100000000	0.00000000
1417	-0.40000000	-0.125000000	0.00000000
1418	-0.50000000	-0.100000000	0.00000000
1419	-0.50000000	-0.071428571	0.66666667
1420	-0.50000000	-0.166666667	1.00000000
1421	-0.50000000	-0.200000000	1.00000000
1422	-0.70000000	-0.125000000	0.00000000
1423	-0.40000000	-0.025000000	0.22727273
1424	-0.18750000	-0.166666667	0.50000000
1425	-0.50000000	-0.100000000	0.30000000
1426	-0.20000000	-0.200000000	0.00000000

1427	-0.30000000	-0.166666667	0.37500000
1428	-1.00000000	-0.050000000	0.90000000
1429	-1.00000000	-0.100000000	0.30000000
1430	-0.40000000	-0.300000000	0.33333333
1431	-0.50000000	-0.100000000	0.00000000
1432	-0.50000000	-0.050000000	0.50000000
1433	-0.40000000	-0.125000000	0.00000000
1434	-0.50000000	-0.300000000	0.33333333
1435	-0.80000000	-0.125000000	1.00000000
1436	-0.29166667	-0.291666667	0.75000000
1437	-0.12500000	-0.100000000	0.00000000
1438	-0.50000000	-0.200000000	0.00000000
1439	-1.00000000	-0.100000000	0.00000000
1440	-0.66666667	-0.071428571	0.00000000
1441	-0.25000000	-0.250000000	0.37500000
1442	-0.70000000	-0.100000000	0.50000000
1443	-0.20000000	-0.125000000	0.50000000
1444	-0.60000000	-0.155555556	0.00000000
1445	-0.50000000	-0.333333333	0.65000000
1446	-0.25000000	-0.250000000	0.28333333
1447	-0.40000000	-0.071428571	0.00000000
1448	-0.33333333	-0.100000000	0.33333333
1449	-0.20000000	-0.100000000	1.00000000
1450	0.00000000	0.000000000	0.00000000
1451	-0.30000000	-0.100000000	0.00000000
1452	-0.60000000	-0.050000000	1.00000000
1453	-0.80000000	-0.050000000	0.00000000
1454	-1.00000000	-0.050000000	0.20000000
1455	0.00000000	0.000000000	0.43333333
1456	-0.40000000	-0.071428571	0.75000000
1457	-0.60000000	-0.100000000	0.70000000
1458	-0.12500000	-0.125000000	0.00000000
1459	-0.20000000	-0.125000000	0.22727273
1460	-0.38888889	-0.050000000	0.00000000
1461	-0.60000000	-0.050000000	0.83333333
1462	-0.60000000	-0.100000000	0.00000000
1463	-0.16666667	-0.166666667	0.00000000
1464	-0.40000000	-0.100000000	0.66666667
1465	-0.75000000	-0.071428571	0.00000000
1466	-0.50000000	-0.125000000	0.72222222
1467	-0.20000000	-0.125000000	1.00000000
1468	-0.70000000	-0.100000000	0.66666667
1469	-0.40000000	-0.150000000	0.48333333
1470	-0.40000000	-0.050000000	0.66666667
1471	-0.80000000	-0.250000000	0.00000000
1472	-0.80000000	-0.150000000	0.00000000
1473	0.00000000	0.000000000	0.00000000
1474	-0.50000000	-0.100000000	0.00000000
1475	-0.80000000	-0.125000000	0.70000000
1476	-1.00000000	-0.071428571	0.00000000
1477	-0.66666667	-0.200000000	0.12500000
1478	-0.12500000	-0.083333333	0.00000000
1479	-0.50000000	-0.125000000	0.33333333
1480	-0.25000000	-0.250000000	0.50000000

1481	-0.80000000	-0.155555556	0.00000000
1482	-0.25000000	-0.075000000	0.00000000
1483	-0.31250000	-0.312500000	0.12500000
1484	-0.70000000	-0.125000000	0.20000000
1485	-1.00000000	-0.050000000	0.36666667
1486	0.00000000	0.000000000	0.00000000
1487	0.00000000	0.000000000	0.70833333
1488	-0.50000000	-0.125000000	0.50000000
1489	-0.60000000	-0.050000000	0.00000000
1490	-0.70000000	-0.050000000	0.00000000
1491	-0.75000000	-0.125000000	0.33333333
1492	-0.50000000	-0.166666667	0.66666667
1493	-0.50000000	-0.125000000	0.12500000
1494	-0.30000000	-0.125000000	0.66666667
1495	-0.80000000	-0.071428571	0.48333333
1496	-0.66666667	-0.050000000	0.00000000
1497	-0.25000000	-0.071428571	0.50000000
1498	-0.60000000	-0.050000000	0.50000000
1499	-0.15555556	-0.025000000	0.00000000
1500	-0.50000000	-0.071428571	0.30000000
1501	-0.60000000	-0.600000000	0.00000000
1502	-0.31666667	-0.125000000	0.00000000
1503	-0.18750000	-0.125000000	0.58333333
1504	-0.80000000	-0.050000000	0.20000000
1505	-0.40000000	-0.155555556	0.45000000
1506	-0.70000000	-0.050000000	0.00000000
1507	-0.70000000	-0.200000000	0.25000000
1508	-0.29166667	-0.100000000	0.62500000
1509	0.00000000	0.000000000	0.12500000
1510	-0.20000000	-0.187500000	0.00000000
1511	-0.40000000	-0.125000000	0.63333333
1512	-0.30000000	-0.125000000	0.00000000
1513	-0.20000000	-0.166666667	0.00000000
1514	-0.60000000	-0.200000000	1.00000000
1515	-0.60000000	-0.050000000	0.00000000
1516	-0.80000000	-0.125000000	0.50707071
1517	-0.50000000	-0.066666667	1.00000000
1518	-0.80000000	-0.050000000	0.50000000
1519	-0.50000000	-0.100000000	0.58333333
1520	-0.60000000	-0.100000000	1.00000000
1521	-0.50000000	-0.050000000	0.50000000
1522	0.00000000	0.000000000	0.83333333
1523	-0.40000000	-0.150000000	0.00000000
1524	-0.70000000	-0.025000000	0.00000000
1525	-0.12500000	-0.125000000	0.00000000
1526	-0.50000000	-0.050000000	0.00000000
1527	-0.33333333	-0.100000000	0.66666667
1528	-0.80000000	-0.050000000	1.00000000
1529	-0.50000000	-0.100000000	0.00000000
1530	-0.10000000	-0.100000000	1.00000000
1531	-0.30000000	-0.125000000	0.00000000
1532	-0.16666667	-0.166666667	0.00000000
1533	-0.40000000	-0.200000000	0.66666667
1534	-0.50000000	-0.100000000	0.66666667

1535	-0.40000000	-0.125000000	0.53333333
1536	-0.70000000	-0.125000000	0.83333333
1537	-0.50000000	-0.200000000	0.00000000
1538	-0.40000000	-0.071428571	0.00000000
1539	-0.60000000	-0.050000000	1.00000000
1540	-0.12500000	-0.071428571	0.57142857
1541	0.00000000	0.000000000	0.00000000
1542	-0.50000000	-0.187500000	0.00000000
1543	-0.75000000	-0.100000000	0.50000000
1544	-0.50000000	-0.166666667	0.00000000
1545	-0.66666667	-0.050000000	0.45454545
1546	-0.43333333	-0.008333333	0.60000000
1547	-0.70000000	-0.100000000	0.00000000
1548	-0.80000000	-0.050000000	0.00000000
1549	-0.40000000	-0.300000000	0.00000000
1550	-0.62500000	-0.125000000	1.00000000
1551	-0.60000000	-0.100000000	0.66666667
1552	-0.17857143	-0.178571429	0.00000000
1553	-0.30000000	-0.250000000	0.54000000
1554	-1.00000000	-0.033333333	0.00000000
1555	-1.00000000	-0.166666667	0.85000000
1556	-0.70000000	-0.012500000	0.00000000
1557	-0.40000000	-0.071428571	0.66666667
1558	-0.80000000	-0.100000000	0.55000000
1559	-0.40000000	-0.125000000	0.50000000
1560	-1.00000000	-0.142857143	0.66666667
1561	-0.40000000	-0.400000000	0.00000000
1562	0.00000000	0.000000000	0.00000000
1563	-0.40000000	-0.050000000	0.00000000
1564	-0.40000000	-0.100000000	0.66666667
1565	-0.80000000	-0.050000000	0.00000000
1566	-0.50000000	-0.050000000	0.50000000
1567	-0.50000000	-0.100000000	0.50000000
1568	-0.30000000	-0.050000000	0.06666667
1569	-0.60000000	-0.100000000	0.66666667
1570	-0.66666667	-0.100000000	0.00000000
1571	-0.70000000	-0.155555556	0.00000000
1572	-0.40000000	-0.400000000	0.66666667
1573	-0.40000000	-0.071428571	0.66666667
1574	-0.60000000	-0.071428571	0.66666667
1575	0.00000000	0.000000000	0.66666667
1576	-0.80000000	-0.125000000	0.46666667
1577	-0.40000000	-0.400000000	0.66666667
1578	-0.25000000	-0.250000000	0.66666667
1579	-0.70000000	-0.100000000	0.45333333
1580	-0.18750000	-0.187500000	0.33333333
1581	0.00000000	0.000000000	0.17500000
1582	-0.70000000	-0.100000000	0.00000000
1583	-0.12500000	-0.125000000	0.00000000
1584	-0.80000000	-0.200000000	0.66666667
1585	-0.40000000	-0.100000000	0.66666667
1586	-0.40000000	-0.166666667	0.66666667
1587	0.00000000	0.000000000	0.00000000
1588	-1.00000000	-0.400000000	0.50000000

1589	-1.00000000	-0.142857143	0.66666667
1590	-0.40000000	-0.125000000	0.66666667
1591	-0.66666667	-0.050000000	0.00000000
1592	-1.00000000	-0.071428571	0.66666667
1593	-0.40000000	-0.100000000	0.66666667
1594	0.00000000	0.000000000	0.58333333
1595	0.00000000	0.000000000	0.45454545
1596	-0.40000000	-0.166666667	0.39166667
1597	-0.20000000	-0.150000000	0.66666667
1598	-0.70000000	-0.100000000	0.66666667
1599	-0.40000000	-0.100000000	0.58333333
1600	-0.50000000	-0.200000000	1.00000000
1601	-0.50000000	-0.071428571	0.10000000
1602	-0.50000000	-0.100000000	0.43750000
1603	-0.60000000	-0.214285714	0.00000000
1604	-0.40000000	-0.125000000	0.68055556
1605	-0.40000000	-0.050000000	0.00000000
1606	-0.80000000	-0.071428571	0.00000000
1607	-1.00000000	-0.050000000	0.87500000
1608	-0.40000000	-0.166666667	0.65833333
1609	-0.60000000	-0.100000000	0.70833333
1610	-0.10000000	-0.071428571	0.00000000
1611	-1.00000000	-0.071428571	0.66666667
1612	-0.50000000	-0.216666667	0.63333333
1613	-0.66666667	-0.025000000	0.32222222
1614	-0.50000000	-0.050000000	0.00000000
1615	-1.00000000	-0.071428571	0.44444444
1616	-1.00000000	-0.071428571	0.58333333
1617	-0.62500000	-0.050000000	0.45833333
1618	-0.20000000	-0.100000000	0.00000000
1619	-0.25000000	-0.100000000	0.50000000
1620	-0.30000000	-0.050000000	0.27857143
1621	-0.30000000	-0.150000000	0.00000000
1622	-0.20000000	-0.066666667	0.36250000
1623	-0.30000000	-0.125000000	0.00000000
1624	-0.40000000	-0.100000000	0.20000000
1625	-0.80000000	-0.050000000	0.58333333
1626	-0.80000000	-0.071428571	0.45454545
1627	-0.50000000	-0.008333333	0.63333333
1628	0.00000000	0.000000000	0.00000000
1629	-0.25000000	-0.250000000	0.30000000
1630	-0.40000000	-0.200000000	0.33333333
1631	-0.40000000	-0.100000000	0.66666667
1632	-0.20000000	-0.200000000	1.00000000
1633	-0.50000000	-0.050000000	0.50000000
1634	-1.00000000	-0.050000000	0.66666667
1635	-0.60000000	-0.100000000	0.30000000
1636	-1.00000000	-0.050000000	0.00000000
1637	-0.40000000	-0.400000000	0.31250000
1638	-0.40000000	-0.100000000	0.50000000
1639	-0.60000000	-0.050000000	0.33333333
1640	-0.50000000	-0.125000000	0.00000000
1641	-0.50000000	-0.071428571	0.70000000
1642	-0.70000000	-0.166666667	0.15000000

1643	-0.12500000	-0.125000000	0.00000000
1644	-0.30000000	-0.050000000	0.40833333
1645	-0.60000000	-0.155555556	0.00000000
1646	-1.00000000	-0.100000000	0.54000000
1647	-0.60000000	-0.125000000	0.20000000
1648	-0.20000000	-0.100000000	0.45454545
1649	-0.18750000	-0.187500000	0.50000000
1650	0.00000000	0.000000000	0.50000000
1651	-0.40000000	-0.100000000	0.66666667
1652	-0.70000000	-0.155555556	0.66666667
1653	-0.40000000	-0.150000000	0.66666667
1654	0.00000000	0.000000000	0.41111111
1655	-0.55000000	-0.100000000	0.66666667
1656	-0.40000000	-0.166666667	0.66666667
1657	-0.30000000	-0.100000000	0.00000000
1658	-1.00000000	-0.100000000	0.00000000
1659	-1.00000000	-0.071428571	0.66666667
1660	-0.40000000	-0.166666667	0.41666667
1661	-0.29166667	-0.066666667	0.00000000
1662	0.00000000	0.000000000	0.15000000
1663	-0.60000000	-0.125000000	0.00000000
1664	-1.00000000	-0.150000000	0.40000000
1665	-0.40000000	-0.050000000	0.00000000
1666	-1.00000000	-0.125000000	0.30000000
1667	-1.00000000	-0.050000000	0.63333333
1668	-0.31250000	-0.050000000	0.00000000
1669	-0.71428571	-0.125000000	0.00000000
1670	0.00000000	0.000000000	0.00000000
1671	-0.25000000	-0.100000000	0.47727273
1672	-0.60000000	-0.050000000	0.71785714
1673	-0.50000000	-0.500000000	0.00000000
1674	-0.40000000	-0.100000000	0.00000000
1675	-0.80000000	-0.187500000	0.00000000
1676	-0.25000000	-0.166666667	0.45454545
1677	-0.12500000	-0.125000000	0.00000000
1678	-0.50000000	-0.071428571	0.00000000
1679	-0.50000000	-0.100000000	0.60000000
1680	-0.60000000	-0.100000000	0.25000000
1681	-0.25000000	-0.125000000	0.00000000
1682	-0.20000000	-0.050000000	0.00000000
1683	-0.60000000	-0.100000000	0.00000000
1684	0.00000000	0.000000000	0.00000000
1685	-0.16666667	-0.071428571	0.04761905
1686	-0.66666667	-0.050000000	0.30000000
1687	-0.70000000	-0.050000000	0.13333333
1688	-1.00000000	-0.071428571	0.45454545
1689	-0.50000000	-0.500000000	0.60000000
1690	-0.50000000	-0.025000000	0.30000000
1691	-0.20000000	-0.125000000	0.50000000
1692	-0.16666667	-0.166666667	0.70000000
1693	-1.00000000	-0.100000000	0.27727273
1694	-0.30000000	-0.100000000	0.64285714
1695	-0.50000000	-0.100000000	0.00000000
1696	-0.33333333	-0.075000000	0.00000000

1697	-0.50000000	-0.050000000	1.00000000
1698	-0.40000000	-0.400000000	0.00000000
1699	-0.40000000	-0.100000000	0.25000000
1700	-0.80000000	-0.200000000	0.66666667
1701	-0.50000000	-0.050000000	0.00000000
1702	-0.70000000	-0.700000000	0.67727273
1703	-0.50000000	-0.050000000	0.00000000
1704	-0.16666667	-0.100000000	0.40000000
1705	-0.62500000	-0.125000000	0.75000000
1706	-0.18750000	-0.050000000	0.06666667
1707	-0.80000000	-0.200000000	0.83333333
1708	-1.00000000	-0.125000000	0.00000000
1709	-0.40000000	-0.083333333	0.40000000
1710	-0.70000000	-0.050000000	0.66666667
1711	-0.50000000	-0.100000000	0.00000000
1712	-0.70000000	-0.050000000	0.00000000
1713	-0.16666667	-0.071428571	0.77500000
1714	-1.00000000	-0.050000000	0.90000000
1715	-0.16666667	-0.125000000	0.00000000
1716	-0.60000000	-0.071428571	0.22294372
1717	-0.31250000	-0.071428571	0.00000000
1718	-0.16666667	-0.166666667	0.41477273
1719	-1.00000000	-0.100000000	0.00000000
1720	-1.00000000	-0.200000000	0.68750000
1721	-0.80000000	-0.155555556	0.66666667
1722	-0.60000000	-0.025000000	1.00000000
1723	-0.10000000	-0.100000000	0.50000000
1724	-1.00000000	-0.100000000	0.10000000
1725	-0.20000000	-0.100000000	0.45454545
1726	-0.10000000	-0.050000000	0.36666667
1727	0.00000000	0.000000000	0.19047619
1728	-0.50000000	-0.100000000	0.30000000
1729	-0.62500000	-0.600000000	0.40000000
1730	-1.00000000	-0.150000000	1.00000000
1731	-0.50000000	-0.050000000	0.50000000
1732	-0.15555556	-0.155555556	0.00000000
1733	0.00000000	0.000000000	0.43484849
1734	-0.80000000	-0.700000000	1.00000000
1735	-0.71428571	-0.150000000	0.50000000
1736	-0.20000000	-0.100000000	0.23750000
1737	-0.25000000	-0.100000000	0.00000000
1738	-0.60000000	-0.050000000	0.12500000
1739	-0.50000000	-0.100000000	0.65000000
1740	-0.50000000	-0.500000000	0.00000000
1741	-1.00000000	-0.155555556	0.00000000
1742	0.00000000	0.000000000	0.28333333
1743	-0.40000000	-0.050000000	0.58333333
1744	0.00000000	0.000000000	0.50000000
1745	-0.30000000	-0.133333333	0.17777778
1746	-0.40000000	-0.250000000	0.50000000
1747	-0.50000000	-0.100000000	0.00000000
1748	-0.16666667	-0.071428571	0.10000000
1749	-0.20000000	-0.071428571	0.30000000
1750	-0.25000000	-0.100000000	0.23333333

1751	-0.30000000	-0.100000000	0.00000000
1752	-0.15555556	-0.025000000	0.00000000
1753	-0.50000000	-0.100000000	0.00000000
1754	-0.30000000	-0.083333333	0.10000000
1755	0.00000000	0.000000000	0.60000000
1756	-0.25000000	-0.050000000	0.00000000
1757	-0.80000000	-0.125000000	0.16666667
1758	-1.00000000	-0.012500000	0.66666667
1759	-1.00000000	-0.600000000	0.00000000
1760	-0.30000000	-0.100000000	1.00000000
1761	-0.75000000	-0.500000000	0.00000000
1762	-0.66666667	-0.100000000	0.30000000
1763	-0.40000000	-0.166666667	0.00000000
1764	-0.40000000	-0.400000000	0.00000000
1765	-0.60000000	-0.100000000	1.00000000
1766	-1.00000000	-0.050000000	0.65000000
1767	-0.18750000	-0.125000000	0.00000000
1768	-1.00000000	-0.050000000	0.40000000
1769	-0.50000000	-0.125000000	0.00000000
1770	0.00000000	0.000000000	0.47727273
1771	-0.50000000	-0.100000000	0.30000000
1772	0.00000000	0.000000000	0.00000000
1773	-0.40000000	-0.200000000	0.06666667
1774	-0.16666667	-0.166666667	0.00000000
1775	-0.60000000	-0.100000000	0.00000000
1776	-0.50000000	-0.050000000	0.00000000
1777	-0.80000000	-0.100000000	0.00000000
1778	-0.40000000	-0.166666667	0.00000000
1779	-0.40000000	-0.100000000	0.62500000
1780	0.00000000	0.000000000	0.00000000
1781	-0.20000000	-0.071428571	0.50000000
1782	-0.02500000	-0.025000000	0.53333333
1783	-0.66666667	-0.125000000	1.00000000
1784	0.00000000	0.000000000	0.46250000
1785	-1.00000000	-0.100000000	0.45454545
1786	-0.70000000	-0.125000000	0.13333333
1787	-1.00000000	-0.100000000	1.00000000
1788	-0.33333333	-0.071428571	0.00000000
1789	-0.70000000	-0.100000000	0.10000000
1790	-0.80000000	-0.125000000	0.12500000
1791	-0.20000000	-0.100000000	0.00000000
1792	-0.20000000	-0.050000000	0.50000000
1793	-0.40000000	-0.200000000	0.00000000
1794	-0.15555556	-0.155555556	0.00000000
1795	-0.25000000	-0.150000000	0.00000000
1796	-0.40000000	-0.100000000	0.45454545
1797	-0.70000000	-0.100000000	0.00000000
1798	-0.60000000	-0.071428571	0.00000000
1799	-0.30000000	-0.250000000	0.56333333
1800	-0.16666667	-0.166666667	0.00000000
1801	-0.40000000	-0.071428571	0.00000000
1802	-0.60000000	-0.050000000	0.50000000
1803	-0.60000000	-0.050000000	1.00000000
1804	-0.55000000	-0.050000000	0.10000000

1805	-0.15555556	-0.100000000	0.00000000
1806	-0.30000000	-0.125000000	0.00000000
1807	-0.15000000	-0.150000000	0.45000000
1808	-0.25000000	-0.187500000	0.00000000
1809	-0.80000000	-0.166666667	0.06666667
1810	-0.40000000	-0.125000000	0.22727273
1811	-0.21428571	-0.200000000	0.33333333
1812	-0.50000000	-0.100000000	0.28333333
1813	-0.31250000	-0.025000000	0.10000000
1814	-0.16666667	-0.125000000	0.38333333
1815	-0.40000000	-0.071428571	0.00000000
1816	-0.10000000	-0.083333333	1.00000000
1817	-0.60000000	-0.071428571	0.90000000
1818	-0.30000000	-0.125000000	0.00000000
1819	-0.80000000	-0.125000000	0.00000000
1820	-0.40000000	-0.100000000	0.00000000
1821	-0.20000000	-0.100000000	0.00000000
1822	0.00000000	0.000000000	0.71250000
1823	0.00000000	0.000000000	1.00000000
1824	-0.62500000	-0.025000000	0.00000000
1825	-0.40000000	-0.100000000	0.00000000
1826	-0.12500000	-0.125000000	0.00000000
1827	-0.33333333	-0.100000000	0.40000000
1828	0.00000000	0.000000000	0.00000000
1829	-1.00000000	-0.166666667	0.70000000
1830	-0.70000000	-0.200000000	0.66666667
1831	-1.00000000	-0.125000000	0.37500000
1832	-0.80000000	-0.125000000	0.00000000
1833	-1.00000000	-0.071428571	0.65000000
1834	-0.50000000	-0.125000000	0.00000000
1835	-0.50000000	-0.125000000	0.45000000
1836	-0.40000000	-0.071428571	0.00000000
1837	-0.60000000	-0.200000000	0.00000000
1838	-0.16666667	-0.166666667	0.00000000
1839	-0.25000000	-0.250000000	0.22222222
1840	-0.50000000	-0.125000000	0.00000000
1841	-1.00000000	-0.100000000	1.00000000
1842	-0.30000000	-0.166666667	0.00000000
1843	-1.00000000	-0.133333333	0.00000000
1844	-0.29166667	-0.125000000	0.45454545
1845	-0.20000000	-0.155555556	0.50000000
1846	-1.00000000	-0.100000000	1.00000000
1847	-0.40000000	-0.050000000	0.00000000
1848	-0.80000000	-0.100000000	0.58333333
1849	-0.80000000	-0.050000000	0.30000000
1850	0.00000000	0.000000000	0.00000000
1851	-0.50000000	-0.166666667	0.00000000
1852	-0.20000000	-0.050000000	0.00000000
1853	-0.30000000	-0.166666667	0.00000000
1854	-1.00000000	-0.071428571	0.85000000
1855	-0.60000000	-0.100000000	0.00000000
1856	-0.12500000	-0.125000000	0.00000000
1857	-0.20000000	-0.050000000	0.50000000
1858	-0.70000000	-0.025000000	0.00000000

1859	-0.40000000	-0.050000000	1.00000000
1860	-0.70000000	-0.033333333	0.80000000
1861	-0.20000000	-0.166666667	0.66666667
1862	-0.70000000	-0.050000000	0.00000000
1863	-1.00000000	-0.050000000	0.30000000
1864	-0.70000000	-0.125000000	0.00000000
1865	-0.40000000	-0.400000000	0.42727273
1866	-0.80000000	-0.050000000	0.22727273
1867	-1.00000000	-0.125000000	0.00000000
1868	-0.50000000	-0.300000000	0.00000000
1869	-0.40000000	-0.125000000	0.00000000
1870	-1.00000000	-0.066666667	0.58333333
1871	-0.50000000	-0.500000000	0.85000000
1872	-0.50000000	-0.050000000	0.00000000
1873	-1.00000000	-0.050000000	0.66666667
1874	0.00000000	0.000000000	0.00000000
1875	-0.30000000	-0.050000000	0.00000000
1876	-0.60000000	-0.025000000	0.00000000
1877	-0.60000000	-0.187500000	0.45454545
1878	-0.20000000	-0.200000000	0.00000000
1879	-0.70000000	-0.071428571	0.57500000
1880	-0.20000000	-0.200000000	0.00000000
1881	-0.60000000	-0.100000000	0.21666667
1882	-0.50000000	-0.500000000	0.50000000
1883	-0.20000000	-0.071428571	0.59166667
1884	-0.40000000	-0.200000000	0.00000000
1885	-0.25000000	-0.071428571	0.20000000
1886	-0.30000000	-0.071428571	0.33333333
1887	-0.16666667	-0.125000000	0.00000000
1888	-0.12500000	-0.050000000	0.00000000
1889	-0.31250000	-0.187500000	1.00000000
1890	-0.90000000	-0.125000000	0.00000000
1891	-0.50000000	-0.100000000	0.16666667
1892	-0.60000000	-0.071428571	0.00000000
1893	-0.15555556	-0.125000000	0.37500000
1894	-0.70000000	-0.050000000	0.00000000
1895	-0.50000000	-0.050000000	0.00000000
1896	-0.16666667	-0.166666667	0.33333333
1897	-1.00000000	-0.050000000	0.06666667
1898	-0.80000000	-0.050000000	0.85000000
1899	-0.20000000	-0.200000000	0.00000000
1900	-0.50000000	-0.100000000	0.00000000
1901	-0.60000000	-0.125000000	0.33333333
1902	-0.50000000	-0.250000000	0.65000000
1903	-0.40000000	-0.125000000	0.00000000
1904	-0.75000000	-0.100000000	0.00000000
1905	-0.50000000	-0.200000000	0.65000000
1906	-0.60000000	-0.033333333	0.00000000
1907	-0.05000000	-0.050000000	0.00000000
1908	-0.20000000	-0.200000000	0.00000000
1909	-0.60000000	-0.100000000	0.00000000
1910	-1.00000000	-0.050000000	0.00000000
1911	-0.60000000	-0.100000000	0.62500000
1912	-0.50000000	-0.100000000	0.00000000

1913	-1.00000000	-0.125000000	0.40000000
1914	-0.40000000	-0.050000000	0.00000000
1915	-0.70000000	-0.250000000	0.37500000
1916	-0.40000000	-0.050000000	0.00000000
1917	-0.60000000	-0.050000000	0.70000000
1918	-1.00000000	-0.175000000	0.00000000
1919	-0.31250000	-0.050000000	0.10000000
1920	-0.80000000	-0.083333333	0.00000000
1921	-0.50000000	-0.050000000	0.72727273
1922	-0.20000000	-0.155555556	0.00000000
1923	0.00000000	0.000000000	0.45454545
1924	-0.50000000	-0.187500000	0.00000000
1925	0.00000000	0.000000000	0.00000000
1926	0.00000000	0.000000000	0.00000000
1927	-0.20000000	-0.150000000	0.00000000
1928	-0.60000000	-0.100000000	0.00000000
1929	-1.00000000	-0.066666667	0.30000000
1930	-0.30000000	-0.166666667	0.33333333
1931	-0.18750000	-0.100000000	0.00000000
1932	-0.70000000	-0.125000000	0.00000000
1933	-0.60000000	-0.150000000	0.30000000
1934	-0.60000000	-0.100000000	0.20000000
1935	-0.80000000	-0.050000000	0.44666667
1936	-0.40000000	-0.166666667	1.00000000
1937	-0.80000000	-0.187500000	0.00000000
1938	-0.60000000	-0.050000000	0.00000000
1939	-0.30000000	-0.125000000	0.50000000
1940	-0.25000000	-0.178571429	0.50000000
1941	0.00000000	0.000000000	0.00000000
1942	-0.50000000	-0.100000000	0.00000000
1943	-0.30000000	-0.155555556	0.00000000
1944	-0.30000000	-0.125000000	0.00000000
1945	-0.70000000	-0.050000000	0.06666667
1946	-0.10000000	-0.100000000	0.00000000
1947	-0.30000000	-0.071428571	0.00000000
1948	-0.20000000	-0.125000000	0.00000000
1949	-1.00000000	-0.100000000	0.20000000
1950	-0.60000000	-0.200000000	0.00000000
1951	-1.00000000	-0.100000000	0.90000000
1952	-0.20000000	-0.166666667	0.00000000
1953	-0.40000000	-0.300000000	0.00000000
1954	-1.00000000	-0.050000000	0.00000000
1955	-0.40000000	-0.071428571	0.00000000
1956	-0.50000000	-0.200000000	0.06250000
1957	-0.12500000	-0.100000000	0.00000000
1958	-0.60000000	-0.050000000	0.33333333
1959	-0.60000000	-0.071428571	0.00000000
1960	-0.50000000	-0.125000000	0.38750000
1961	-0.50000000	-0.125000000	0.00000000
1962	-0.60000000	-0.155555556	0.60000000
1963	-0.40000000	-0.200000000	0.00000000
1964	-0.25000000	-0.125000000	0.00000000
1965	-0.30000000	-0.300000000	0.00000000
1966	-1.00000000	-0.050000000	0.00000000

1967	-0.30000000	-0.166666667	0.72727273
1968	-0.16666667	-0.050000000	0.42500000
1969	0.00000000	0.000000000	0.72727273
1970	-0.40000000	-0.100000000	0.06666667
1971	-0.15555556	-0.155555556	0.00000000
1972	-1.00000000	-0.050000000	0.00000000
1973	-0.50000000	-0.050000000	0.50000000
1974	-0.50000000	-0.050000000	0.80000000
1975	-0.18750000	-0.071428571	0.00000000
1976	-0.50000000	-0.100000000	0.50000000
1977	-0.40000000	-0.400000000	0.64285714
1978	-0.31250000	-0.050000000	0.64285714
1979	0.00000000	0.000000000	0.60000000
1980	-0.40000000	-0.050000000	0.00000000
1981	-0.50000000	-0.100000000	0.00000000
1982	-0.70000000	-0.100000000	0.00000000
1983	-0.50000000	-0.100000000	0.70000000
1984	-0.50000000	-0.050000000	0.75000000
1985	-0.50000000	-0.050000000	0.00000000
1986	0.00000000	0.000000000	0.06666667
1987	0.00000000	0.000000000	0.00000000
1988	-0.70000000	-0.300000000	0.00000000
1989	-0.50000000	-0.100000000	0.65000000
1990	-1.00000000	-0.100000000	0.00000000
1991	-0.50000000	-0.050000000	0.00000000
1992	-0.50000000	-0.100000000	0.30000000
1993	-0.50000000	-0.100000000	0.20000000
1994	-0.80000000	-0.050000000	0.50000000
1995	-0.50000000	-0.100000000	0.50000000
1996	-0.50000000	-0.025000000	0.00000000
1997	-0.40000000	-0.071428571	1.00000000
1998	-0.40000000	-0.071428571	0.50000000
1999	-0.80000000	-0.125000000	0.63333333
2000	-0.60000000	-0.187500000	0.00000000
2001	-0.70000000	-0.100000000	0.50000000
2002	-0.50000000	-0.178571429	0.67500000
2003	0.00000000	0.000000000	1.00000000
2004	-0.50000000	-0.071428571	0.00000000
2005	-0.60000000	-0.250000000	0.00000000
2006	-0.40000000	-0.125000000	0.00000000
2007	-0.20000000	-0.100000000	0.00000000
2008	0.00000000	0.000000000	0.37500000
2009	-0.25000000	-0.100000000	0.00000000
2010	-0.30000000	-0.050000000	0.50000000
2011	-1.00000000	-0.033333333	0.00000000
2012	-0.75000000	-0.050000000	0.00000000
2013	-0.66666667	-0.071428571	0.60000000
2014	-0.50000000	-0.071428571	0.00000000
2015	0.00000000	0.000000000	1.00000000
2016	-0.60000000	-0.050000000	1.00000000
2017	-0.30000000	-0.100000000	0.45454545
2018	-0.30000000	-0.155555556	0.22777778
2019	-1.00000000	-0.050000000	0.00000000
2020	-0.40000000	-0.071428571	0.00000000

2021	-0.40000000	-0.100000000	0.00000000
2022	-0.90000000	-0.100000000	0.00000000
2023	-0.18750000	-0.050000000	0.23333333
2024	-0.40000000	-0.050000000	0.00000000
2025	-0.30000000	-0.155555556	0.00000000
2026	-0.12500000	-0.125000000	0.00000000
2027	-0.50000000	-0.500000000	0.33333333
2028	-0.50000000	-0.100000000	0.37500000
2029	-0.80000000	-0.400000000	0.40000000
2030	0.00000000	0.000000000	0.45454545
2031	-0.30000000	-0.050000000	0.25000000
2032	-0.80000000	-0.076923077	0.00000000
2033	-0.60000000	-0.100000000	0.00000000
2034	-0.31250000	-0.200000000	0.00000000
2035	-0.16666667	-0.071428571	0.00000000
2036	-0.50000000	-0.100000000	0.50000000
2037	-0.60000000	-0.125000000	0.50000000
2038	-0.66666667	-0.200000000	0.54000000
2039	-1.00000000	-0.050000000	0.00000000
2040	-0.40000000	-0.125000000	0.45454545
2041	-0.16666667	-0.166666667	0.51666667
2042	0.00000000	0.000000000	0.60000000
2043	-0.30000000	-0.071428571	0.45454545
2044	-0.30000000	-0.100000000	0.58333333
2045	-0.30000000	-0.100000000	0.00000000
2046	-0.10000000	-0.100000000	0.45454545
2047	-0.60000000	-0.100000000	0.50000000
2048	-0.40000000	-0.125000000	0.75000000
2049	-0.60000000	-0.071428571	0.16666667
2050	-0.60000000	-0.100000000	0.00000000
2051	-0.25000000	-0.250000000	0.45454545
2052	-1.00000000	-0.200000000	0.06666667
2053	-0.50000000	-0.050000000	0.00000000
2054	0.00000000	0.000000000	0.00000000
2055	-0.12500000	-0.125000000	0.00000000
2056	-0.71428571	-0.125000000	0.00000000
2057	-0.70000000	-0.250000000	1.00000000
2058	-0.25000000	-0.250000000	0.00000000
2059	-0.16666667	-0.166666667	0.40000000
2060	-0.50000000	-0.100000000	0.00000000
2061	-0.40000000	-0.050000000	0.00000000
2062	-0.40000000	-0.400000000	0.00000000
2063	-0.31666667	-0.125000000	0.23333333
2064	-0.40000000	-0.125000000	0.40000000
2065	0.00000000	0.000000000	0.00000000
2066	-0.40000000	-0.178571429	0.66666667
2067	-0.60000000	-0.100000000	0.66666667
2068	-1.00000000	-0.125000000	0.00000000
2069	-0.60000000	-0.025000000	0.72727273
2070	-0.16666667	-0.125000000	0.50000000
2071	0.00000000	0.000000000	0.00000000
2072	-0.80000000	-0.050000000	0.00000000
2073	-1.00000000	-0.008333333	1.00000000
2074	-0.66666667	-0.075000000	0.52500000

2075	-0.80000000	-0.025000000	0.40000000
2076	-1.00000000	-0.200000000	0.75000000
2077	-0.40000000	-0.100000000	0.00000000
2078	-0.70000000	-0.125000000	0.00000000
2079	-0.20000000	-0.200000000	0.00000000
2080	-0.80000000	-0.100000000	0.39444444
2081	-1.00000000	-0.166666667	1.00000000
2082	-0.15000000	-0.150000000	0.00000000
2083	-0.43333333	-0.050000000	0.90000000
2084	-0.33333333	-0.050000000	0.00000000
2085	-0.50000000	-0.025000000	0.00000000
2086	-0.30000000	-0.300000000	0.37500000
2087	-0.50000000	-0.400000000	0.59595960
2088	-0.25000000	-0.100000000	0.00000000
2089	-1.00000000	-0.050000000	0.30000000
2090	-0.40000000	-0.125000000	0.45454545
2091	-0.80000000	-0.100000000	0.00000000
2092	-0.15555556	-0.155555556	0.50000000
2093	-0.05000000	-0.050000000	0.00000000
2094	-0.40000000	-0.166666667	0.10000000
2095	-1.00000000	-0.100000000	0.66666667
2096	-0.30000000	-0.300000000	0.00000000
2097	-0.12500000	-0.050000000	0.00000000
2098	-0.40000000	-0.071428571	0.00000000
2099	-0.50000000	-0.100000000	0.00000000
2100	-0.30000000	-0.050000000	0.00000000
2101	-1.00000000	-0.050000000	1.00000000
2102	-0.40000000	-0.400000000	0.00000000
2103	-0.62500000	-0.333333333	0.00000000
2104	-0.66666667	-0.250000000	0.00000000
2105	-0.10000000	-0.100000000	0.00000000
2106	-0.30000000	-0.071428571	0.43961039
2107	-0.20000000	-0.125000000	0.66666667
2108	-0.40000000	-0.076923077	0.00000000
2109	-1.00000000	-0.125000000	0.00000000
2110	-0.60000000	-0.050000000	0.33333333
2111	-0.16666667	-0.050000000	0.00000000
2112	0.00000000	0.000000000	0.75000000
2113	-0.16666667	-0.050000000	0.64523809
2114	-0.70000000	-0.300000000	0.61363636
2115	-0.25000000	-0.050000000	0.00000000
2116	-1.00000000	-0.166666667	0.00000000
2117	-0.50000000	-0.050000000	0.00000000
2118	-0.60000000	-0.125000000	0.00000000
2119	0.00000000	0.000000000	0.00000000
2120	0.00000000	0.000000000	0.54000000
2121	-0.60000000	-0.600000000	0.00000000
2122	-0.25000000	-0.250000000	0.30000000
2123	-1.00000000	-0.125000000	1.00000000
2124	-0.60000000	-0.100000000	0.00000000
2125	-0.50000000	-0.500000000	0.40000000
2126	-0.30000000	-0.050000000	0.54000000
2127	-0.50000000	-0.050000000	0.00000000
2128	-0.50000000	-0.100000000	0.85000000

2129	-0.40000000	-0.071428571	0.00000000
2130	-0.60000000	-0.100000000	0.60000000
2131	-0.40000000	-0.071428571	0.00000000
2132	-1.00000000	-0.050000000	0.63333333
2133	0.00000000	0.000000000	0.35555556
2134	-0.60000000	-0.071428571	0.00000000
2135	-0.40000000	-0.071428571	0.45454545
2136	-0.70000000	-0.071428571	0.72727273
2137	-0.50000000	-0.050000000	0.00000000
2138	-0.20000000	-0.125000000	0.00000000
2139	-0.50000000	-0.166666667	0.50000000
2140	-0.50000000	-0.100000000	0.00000000
2141	-1.00000000	-0.050000000	1.00000000
2142	-0.40000000	-0.125000000	0.90000000
2143	-0.90000000	-0.100000000	0.00000000
2144	-0.60000000	-0.050000000	0.00000000
2145	-0.50000000	-0.200000000	0.00000000
2146	-1.00000000	-0.050000000	0.64444444
2147	-0.50000000	-0.150000000	0.90000000
2148	-1.00000000	-0.071428571	0.00000000
2149	-0.50000000	-0.071428571	0.00000000
2150	-0.60000000	-0.100000000	0.60000000
2151	-0.80000000	-0.133333333	0.60000000
2152	-0.90000000	-0.100000000	0.00000000
2153	-0.50000000	-0.050000000	0.00000000
2154	-0.50000000	-0.125000000	0.00000000
2155	-0.80000000	-0.200000000	0.80000000
2156	-0.80000000	-0.050000000	0.00000000
2157	-0.60000000	-0.500000000	0.45454545
2158	0.00000000	0.000000000	0.50000000
2159	-0.70000000	-0.050000000	0.80000000
2160	-0.66666667	-0.187500000	0.27000000
2161	-0.50000000	-0.200000000	0.00000000
2162	-0.60000000	-0.071428571	0.54000000
2163	-0.16666667	-0.100000000	1.00000000
2164	-0.70000000	-0.071428571	0.00000000
2165	-1.00000000	-0.125000000	0.65000000
2166	-0.12500000	-0.125000000	0.00000000
2167	-0.50000000	-0.125000000	0.50000000
2168	-0.50000000	-0.050000000	0.00000000
2169	0.00000000	0.000000000	0.40000000
2170	-0.25000000	-0.100000000	0.37500000
2171	-0.43333333	-0.050000000	0.60000000
2172	-0.40000000	-0.125000000	0.40000000
2173	-0.60000000	-0.100000000	0.00000000
2174	-0.15555556	-0.155555556	0.00000000
2175	-0.70000000	-0.155555556	0.00000000
2176	-0.33333333	-0.333333333	0.00000000
2177	-0.60000000	-0.012500000	1.00000000
2178	-0.80000000	-0.071428571	1.00000000
2179	-0.70000000	-0.071428571	0.30000000
2180	-0.15000000	-0.150000000	0.10000000
2181	-1.00000000	-0.155555556	0.00000000
2182	-1.00000000	-0.050000000	0.00000000

2183	-0.65000000	-0.050000000	0.53571429
2184	-0.60000000	-0.050000000	0.00000000
2185	-0.25000000	-0.100000000	0.43333333
2186	-0.40000000	-0.071428571	0.00000000
2187	-0.30000000	-0.155555556	0.38974359
2188	-0.50000000	-0.100000000	0.00000000
2189	-0.60000000	-0.100000000	0.60000000
2190	-0.60000000	-0.050000000	0.45454545
2191	-0.16666667	-0.125000000	0.00000000
2192	-0.60000000	-0.100000000	0.00000000
2193	-0.90000000	-0.100000000	0.00000000
2194	-0.50000000	-0.100000000	0.00000000
2195	-1.00000000	-0.050000000	0.06666667
2196	-0.16666667	-0.166666667	0.00000000
2197	-0.40000000	-0.125000000	0.00000000
2198	-0.25000000	-0.166666667	0.50000000
2199	-0.62500000	-0.187500000	1.00000000
2200	-0.20000000	-0.200000000	0.50000000
2201	-0.50000000	-0.125000000	0.00000000
2202	-1.00000000	-0.125000000	0.50000000
2203	-0.80000000	-0.071428571	0.00000000
2204	-0.50000000	-0.050000000	0.45454545
2205	-0.66666667	-0.071428571	0.20000000
2206	-0.80000000	-0.100000000	0.00000000
2207	-1.00000000	-0.125000000	1.00000000
2208	-0.70000000	-0.125000000	0.00000000
2209	-0.50000000	-0.050000000	0.06666667
2210	-0.60000000	-0.100000000	1.00000000
2211	-0.60000000	-0.125000000	0.00000000
2212	-0.40000000	-0.100000000	0.00000000
2213	-0.40000000	-0.050000000	0.20000000
2214	-0.50000000	-0.071428571	0.27460317
2215	-0.60000000	-0.050000000	0.40000000
2216	-0.25000000	-0.071428571	0.30000000
2217	-0.33333333	-0.125000000	0.00000000
2218	-0.16666667	-0.166666667	0.00000000
2219	-0.25000000	-0.100000000	0.00000000
2220	0.00000000	0.000000000	0.00000000
2221	-0.70000000	-0.200000000	0.00000000
2222	-0.20000000	-0.125000000	0.65000000
2223	0.00000000	0.000000000	0.50000000
2224	-0.60000000	-0.071428571	0.00000000
2225	-0.50000000	-0.187500000	0.00000000
2226	-0.25000000	-0.155555556	1.00000000
2227	-0.20000000	-0.166666667	0.00000000
2228	-0.71428571	-0.050000000	0.00000000
2229	-0.50000000	-0.187500000	0.00000000
2230	-0.60000000	-0.166666667	1.00000000
2231	-0.29166667	-0.125000000	0.00000000
2232	-0.40000000	-0.100000000	0.70000000
2233	-0.60000000	-0.100000000	1.00000000
2234	-0.40000000	-0.050000000	0.00000000
2235	-0.31250000	-0.050000000	0.80000000
2236	-0.80000000	-0.071428571	0.30000000

2237	-0.80000000	-0.071428571	1.00000000
2238	-0.80000000	-0.187500000	0.00000000
2239	-0.60000000	-0.100000000	0.00000000
2240	-0.05000000	-0.050000000	0.29166667
2241	-0.38888889	-0.155555556	0.70000000
2242	0.00000000	0.000000000	0.00000000
2243	-0.60000000	-0.100000000	0.00000000
2244	-0.20000000	-0.200000000	0.00000000
2245	-0.50000000	-0.250000000	0.33333333
2246	-0.12500000	-0.050000000	0.80000000
2247	-0.50000000	-0.125000000	0.00000000
2248	-0.25000000	-0.150000000	0.00000000
2249	-0.70000000	-0.100000000	0.60000000
2250	-0.20000000	-0.125000000	0.00000000
2251	-0.25000000	-0.050000000	0.28333333
2252	-0.15000000	-0.125000000	0.00000000
2253	-0.60000000	-0.050000000	0.00000000
2254	-0.40000000	-0.125000000	0.00000000
2255	0.00000000	0.000000000	0.60000000
2256	-0.60000000	-0.050000000	0.50000000
2257	-0.50000000	-0.100000000	0.12500000
2258	-0.38888889	-0.166666667	0.60000000
2259	-0.40000000	-0.166666667	0.00000000
2260	-0.30000000	-0.050000000	0.00000000
2261	-0.60000000	-0.050000000	0.00000000
2262	-0.60000000	-0.125000000	0.00000000
2263	-0.31666667	-0.316666667	0.00000000
2264	-0.87500000	-0.500000000	0.00000000
2265	-0.20000000	-0.200000000	0.80000000
2266	-1.00000000	-0.050000000	0.80000000
2267	-0.20000000	-0.100000000	0.00000000
2268	-0.15555556	-0.100000000	0.00000000
2269	-0.30000000	-0.300000000	0.62500000
2270	-0.60000000	-0.100000000	0.00000000
2271	-0.16666667	-0.071428571	0.45454545
2272	-0.20000000	-0.155555556	0.00000000
2273	-0.60000000	-0.100000000	0.00000000
2274	-0.25000000	-0.166666667	0.50000000
2275	-0.16666667	-0.166666667	0.30000000
2276	-0.50000000	-0.100000000	0.40000000
2277	-0.50000000	-0.200000000	0.60000000
2278	-0.50000000	-0.155555556	0.10000000
2279	-1.00000000	-0.100000000	0.00000000
2280	0.00000000	0.000000000	0.37500000
2281	-0.40000000	-0.125000000	0.00000000
2282	0.00000000	0.000000000	0.00000000
2283	-0.75000000	-0.050000000	0.00000000
2284	-0.12500000	-0.100000000	0.00000000
2285	-0.66666667	-0.100000000	0.10000000
2286	-0.50000000	-0.050000000	1.00000000
2287	-1.00000000	-0.100000000	0.00000000
2288	-0.50000000	-0.100000000	0.00000000
2289	-1.00000000	-0.083333333	0.75000000
2290	-0.80000000	-0.125000000	0.50000000

2291	-0.16666667	-0.166666667	0.00000000
2292	-0.60000000	-0.300000000	0.45454545
2293	-0.80000000	-0.071428571	0.21428571
2294	-0.50000000	-0.050000000	0.00000000
2295	-0.30000000	-0.100000000	0.00000000
2296	-0.43333333	-0.150000000	0.25555556
2297	-0.15555556	-0.125000000	0.00000000
2298	-0.50000000	-0.050000000	0.00000000
2299	-0.50000000	-0.100000000	0.00000000
2300	-0.90000000	-0.142857143	0.75000000
2301	-0.90000000	-0.100000000	0.57727273
2302	-0.16666667	-0.166666667	0.00000000
2303	-0.80000000	-0.100000000	0.00000000
2304	-0.40000000	-0.050000000	0.67500000
2305	0.00000000	0.000000000	0.30000000
2306	-0.62500000	-0.125000000	0.00000000
2307	-0.80000000	-0.050000000	0.15000000
2308	-0.40000000	-0.125000000	0.70000000
2309	0.00000000	0.000000000	0.50000000
2310	-0.40000000	-0.100000000	0.00000000
2311	-1.00000000	-0.166666667	0.90000000
2312	-1.00000000	-0.100000000	0.16666667
2313	0.00000000	0.000000000	0.00000000
2314	-0.20000000	-0.100000000	0.00000000
2315	-0.30000000	-0.155555556	0.00000000
2316	-0.40000000	-0.050000000	0.30000000
2317	-0.50000000	-0.100000000	0.60000000
2318	-0.15555556	-0.125000000	0.00000000
2319	-0.40000000	-0.125000000	0.33333333
2320	-0.33333333	-0.125000000	0.00000000
2321	0.00000000	0.000000000	0.58750000
2322	-1.00000000	-0.050000000	1.00000000
2323	-0.30000000	-0.125000000	1.00000000
2324	-0.40000000	-0.100000000	0.50000000
2325	-0.50000000	-0.125000000	0.55000000
2326	-1.00000000	-0.075000000	0.10000000
2327	0.00000000	0.000000000	0.00000000
2328	-0.50000000	-0.050000000	0.00000000
2329	-0.70000000	-0.071428571	0.00000000
2330	-0.50000000	-0.050000000	0.00000000
2331	-0.71428571	-0.714285714	0.00000000
2332	-0.80000000	-0.100000000	0.75000000
2333	-0.50000000	-0.125000000	0.05000000
2334	-0.50000000	-0.050000000	0.00000000
2335	-0.50000000	-0.050000000	0.72727273
2336	-0.70000000	-0.050000000	0.00000000
2337	-0.12500000	-0.125000000	0.52500000
2338	0.00000000	0.000000000	0.06666667
2339	-0.50000000	-0.214285714	0.00000000
2340	-0.40000000	-0.100000000	0.00000000
2341	-0.12500000	-0.100000000	0.00000000
2342	0.00000000	0.000000000	0.50000000
2343	-0.40000000	-0.125000000	0.73333333
2344	-0.15555556	-0.125000000	0.00000000

2345	-0.30000000	-0.100000000	0.55000000
2346	-0.10000000	-0.100000000	0.95000000
2347	-0.62500000	-0.071428571	0.20000000
2348	-1.00000000	-0.050000000	0.75000000
2349	-0.50000000	-0.200000000	0.60000000
2350	-1.00000000	-0.076923077	0.60000000
2351	-0.43333333	-0.050000000	0.90000000
2352	-0.20000000	-0.150000000	0.00000000
2353	-0.87500000	-0.071428571	1.00000000
2354	-1.00000000	-0.187500000	1.00000000
2355	-1.00000000	-0.200000000	0.50000000
2356	-1.00000000	-0.100000000	1.00000000
2357	-0.12500000	-0.100000000	0.00000000
2358	-0.30000000	-0.125000000	0.00000000
2359	-0.50000000	-0.100000000	0.50000000
2360	-1.00000000	-0.071428571	0.00000000
2361	-0.60000000	-0.100000000	0.00000000
2362	-0.50000000	-0.100000000	0.00000000
2363	-0.43333333	-0.100000000	0.00000000
2364	-0.50000000	-0.291666667	0.45000000
2365	-0.50000000	-0.187500000	0.70000000
2366	-0.40000000	-0.050000000	0.00000000
2367	-0.60000000	-0.071428571	0.06666667
2368	-0.40000000	-0.125000000	0.48333333
2369	-0.40000000	-0.100000000	0.06666667
2370	-0.60000000	-0.155555556	0.18750000
2371	-0.66666667	-0.125000000	0.00000000
2372	-0.20000000	-0.187500000	0.47727273
2373	-0.40000000	-0.400000000	0.00000000
2374	-0.30000000	-0.125000000	0.90000000
2375	-0.50000000	-0.100000000	0.00000000
2376	-1.00000000	-0.100000000	0.62500000
2377	-0.50000000	-0.100000000	1.00000000
2378	0.00000000	0.000000000	0.00000000
2379	-0.90000000	-0.125000000	0.50000000
2380	-0.33333333	-0.333333333	0.33333333
2381	-0.40000000	-0.125000000	0.00000000
2382	-0.60000000	-0.050000000	0.03333333
2383	-0.18750000	-0.166666667	0.30000000
2384	-0.70000000	-0.050000000	0.30000000
2385	-1.00000000	-0.050000000	0.00000000
2386	-1.00000000	-0.076923077	0.00000000
2387	0.00000000	0.000000000	0.16666667
2388	-0.50000000	-0.100000000	0.00000000
2389	-0.50000000	-0.125000000	0.00000000
2390	-0.40000000	-0.100000000	0.10000000
2391	-0.07142857	-0.071428571	0.12500000
2392	-0.50000000	-0.500000000	0.70000000
2393	-1.00000000	-0.100000000	0.21818182
2394	-0.12500000	-0.071428571	0.00000000
2395	-0.60000000	-0.100000000	0.50000000
2396	-0.20000000	-0.125000000	0.75000000
2397	-0.60000000	-0.050000000	0.50000000
2398	-0.40000000	-0.100000000	0.50000000

2399	0.00000000	0.000000000	0.70000000
2400	0.00000000	0.000000000	0.00000000
2401	-0.10000000	-0.100000000	0.22727273
2402	-0.40000000	-0.071428571	0.00000000
2403	-1.00000000	-0.050000000	0.40000000
2404	-0.50000000	-0.155555556	0.00000000
2405	-0.15555556	-0.050000000	0.00000000
2406	-0.80000000	-0.300000000	0.90000000
2407	-0.60000000	-0.500000000	0.60000000
2408	-0.16666667	-0.050000000	0.60000000
2409	-0.50000000	-0.200000000	1.00000000
2410	-0.80000000	-0.050000000	0.00000000
2411	-0.15555556	-0.155555556	0.00000000
2412	-1.00000000	-0.166666667	0.85000000
2413	-0.16666667	-0.125000000	0.45454545
2414	-0.30000000	-0.050000000	0.00000000
2415	-1.00000000	-0.050000000	0.00000000
2416	-0.50000000	-0.050000000	0.50000000
2417	-1.00000000	-0.050000000	0.15833333
2418	-0.70000000	-0.100000000	0.00000000
2419	-0.60000000	-0.050000000	0.00000000
2420	-0.29166667	-0.291666667	0.00000000
2421	-1.00000000	-0.050000000	1.00000000
2422	-1.00000000	-0.008333333	0.50000000
2423	-0.12500000	-0.050000000	1.00000000
2424	-0.20000000	-0.033333333	0.00000000
2425	0.00000000	0.000000000	0.90000000
2426	-0.50000000	-0.050000000	1.00000000
2427	-0.30000000	-0.166666667	0.52500000
2428	-0.20000000	-0.200000000	0.00000000
2429	-0.90000000	-0.050000000	0.43333333
2430	-0.60000000	-0.025000000	0.00000000
2431	-0.40000000	-0.400000000	0.37500000
2432	-0.70000000	-0.125000000	0.00000000
2433	-0.80000000	-0.100000000	0.57142857
2434	-0.80000000	-0.025000000	0.00000000
2435	-0.30000000	-0.155555556	0.00000000
2436	-0.50000000	-0.250000000	0.75000000
2437	-0.40000000	-0.071428571	0.60000000
2438	-1.00000000	-0.187500000	1.00000000
2439	-0.50000000	-0.050000000	0.00000000
2440	-0.50000000	-0.500000000	0.60000000
2441	0.00000000	0.000000000	0.00000000
2442	-0.50000000	-0.166666667	0.60000000
2443	-1.00000000	-0.250000000	0.00000000
2444	-0.60000000	-0.050000000	0.00000000
2445	-0.66666667	-0.050000000	0.75000000
2446	-0.50000000	-0.300000000	0.00000000
2447	-0.87500000	-0.100000000	0.00000000
2448	-0.40000000	-0.100000000	0.00000000
2449	-0.90000000	-0.100000000	0.60000000
2450	-0.20000000	-0.200000000	0.16666667
2451	-0.25000000	-0.025000000	0.00000000
2452	-0.40000000	-0.025000000	0.00000000

2453	-0.66666667	-0.071428571	1.00000000
2454	-1.00000000	-0.083333333	0.00000000
2455	-0.50000000	-0.125000000	0.00000000
2456	-0.62500000	-0.071428571	0.00000000
2457	-0.25000000	-0.071428571	0.00000000
2458	0.00000000	0.000000000	0.50000000
2459	-0.40000000	-0.155555556	0.40000000
2460	-1.00000000	-0.071428571	0.00000000
2461	-0.50000000	-0.050000000	0.00000000
2462	-0.80000000	-0.050000000	0.00000000
2463	-0.60000000	-0.050000000	0.50000000
2464	-0.70000000	-0.050000000	0.00000000
2465	-0.50000000	-0.066666667	0.00000000
2466	-0.50000000	-0.500000000	0.41666667
2467	-0.40000000	-0.100000000	0.00000000
2468	-0.60000000	-0.050000000	0.30000000
2469	-0.20000000	-0.100000000	0.50000000
2470	-0.70000000	-0.100000000	0.28333333
2471	-0.30000000	-0.300000000	0.60000000
2472	-0.40000000	-0.071428571	0.00000000
2473	-0.60000000	-0.125000000	0.37500000
2474	-0.40000000	-0.100000000	0.00000000
2475	-0.16666667	-0.050000000	0.00000000
2476	-0.40000000	-0.155555556	0.00000000
2477	-0.30000000	-0.050000000	0.33333333
2478	-0.50000000	-0.187500000	0.00000000
2479	-0.60000000	-0.050000000	1.00000000
2480	-0.70000000	-0.125000000	0.00000000
2481	-0.60000000	-0.100000000	0.42500000
2482	-0.70000000	-0.071428571	0.00000000
2483	-0.30000000	-0.166666667	0.00000000
2484	-0.16666667	-0.100000000	0.00000000
2485	-0.30000000	-0.100000000	0.00000000
2486	-0.20000000	-0.200000000	0.00000000
2487	-1.00000000	-0.071428571	1.00000000
2488	-0.80000000	-0.125000000	0.50000000
2489	-0.30000000	-0.187500000	1.00000000
2490	-0.40000000	-0.100000000	0.00000000
2491	-0.40000000	-0.050000000	0.33333333
2492	-0.60000000	-0.100000000	0.51893939
2493	-0.07142857	-0.071428571	0.45454545
2494	-0.50000000	-0.125000000	0.25000000
2495	-1.00000000	-0.100000000	0.75000000
2496	-0.50000000	-0.125000000	1.00000000
2497	-0.60000000	-0.600000000	0.00000000
2498	-0.50000000	-0.100000000	0.05000000
2499	-0.80000000	-0.166666667	0.20000000
2500	-0.60000000	-0.100000000	0.90000000
2501	-0.40000000	-0.133333333	0.00000000
2502	-0.20000000	-0.200000000	0.00000000
2503	-0.60000000	-0.050000000	0.00000000
2504	-0.50000000	-0.050000000	0.00000000
2505	-0.18750000	-0.100000000	0.00000000
2506	-1.00000000	-0.125000000	0.00000000

2507	-0.31250000	-0.071428571	0.64285714
2508	-0.20000000	-0.200000000	0.00000000
2509	-0.31250000	-0.100000000	0.68750000
2510	-1.00000000	-0.133333333	0.06666667
2511	-0.20000000	-0.125000000	0.50000000
2512	-0.80000000	-0.071428571	0.06666667
2513	-0.25000000	-0.050000000	0.54000000
2514	-1.00000000	-0.050000000	0.09583333
2515	-0.12500000	-0.050000000	1.00000000
2516	-0.80000000	-0.166666667	0.50000000
2517	-0.05000000	-0.050000000	0.00000000
2518	-0.40000000	-0.300000000	0.41666667
2519	-0.60000000	-0.133333333	0.64285714
2520	-0.12500000	-0.125000000	0.50000000
2521	-0.20000000	-0.100000000	0.00000000
2522	-0.70000000	-0.050000000	0.83333333
2523	-0.30000000	-0.100000000	0.00000000
2524	-0.05000000	-0.050000000	0.37000000
2525	-0.40000000	-0.050000000	0.60000000
2526	-0.70000000	-0.100000000	0.00000000
2527	-0.40000000	-0.050000000	0.10000000
2528	-0.50000000	-0.500000000	0.37500000
2529	-0.60000000	-0.100000000	0.30000000
2530	0.00000000	0.000000000	0.30000000
2531	-0.80000000	-0.050000000	0.00000000
2532	-0.15555556	-0.025000000	0.00000000
2533	-0.41666667	-0.050000000	0.33333333
2534	-0.30000000	-0.100000000	0.00000000
2535	-0.25000000	-0.125000000	0.20000000
2536	-0.60000000	-0.100000000	0.00000000
2537	-0.31250000	-0.100000000	0.60000000
2538	-1.00000000	-0.100000000	0.00000000
2539	-0.66666667	-0.125000000	0.40000000
2540	-0.40000000	-0.071428571	0.00000000
2541	-0.10000000	-0.071428571	0.20707071
2542	-1.00000000	-0.187500000	0.00000000
2543	-0.70000000	-0.125000000	0.60000000
2544	-0.60000000	-0.050000000	0.00000000
2545	-0.16666667	-0.166666667	0.00000000
2546	-0.20000000	-0.050000000	0.00000000
2547	-0.50000000	-0.100000000	0.45454545
2548	-0.40000000	-0.100000000	0.00000000
2549	-0.16666667	-0.050000000	0.30000000
2550	-0.05000000	-0.050000000	0.30000000
2551	-0.18750000	-0.125000000	0.75000000
2552	-0.20000000	-0.100000000	1.00000000
2553	-0.80000000	-0.050000000	0.00000000
2554	0.00000000	0.000000000	0.50000000
2555	-0.40000000	-0.125000000	0.30833333
2556	-0.60000000	-0.050000000	0.00000000
2557	-1.00000000	-0.050000000	0.43333333
2558	-0.30000000	-0.250000000	0.00000000
2559	-0.50000000	-0.166666667	0.50000000
2560	-0.16666667	-0.100000000	1.00000000

```
2561        -0.12500000          -0.125000000          0.00000000
2562        -0.20000000          -0.125000000          0.45454545
2563         0.00000000           0.000000000          0.00000000
2564        -0.60000000          -0.100000000          0.45454545
     title_sentiment_polarity abs_title_sentiment_polarity shares
1               -1.875000e-01                 1.875000e-01    593
2                0.000000e+00                 0.000000e+00    711
3                0.000000e+00                 0.000000e+00   1500
4                0.000000e+00                 0.000000e+00   1200
5                1.363636e-01                 1.363636e-01    505
6                2.142857e-01                 2.142857e-01    855
7                0.000000e+00                 0.000000e+00    556
8                5.000000e-01                 5.000000e-01    891
9                0.000000e+00                 0.000000e+00   3600
10               0.000000e+00                 0.000000e+00    710
11               0.000000e+00                 0.000000e+00   2200
12               0.000000e+00                 0.000000e+00   1900
13              -1.000000e+00                 1.000000e+00    823
14              -1.000000e+00                 1.000000e+00  10000
15               5.500000e-01                 5.500000e-01    761
16              -2.500000e-01                 2.500000e-01   1600
17              -1.000000e-01                 1.000000e-01  13600
18               0.000000e+00                 0.000000e+00   3100
19              -7.142857e-01                 7.142857e-01   5700
20               0.000000e+00                 0.000000e+00  17100
21               0.000000e+00                 0.000000e+00   2800
22               0.000000e+00                 0.000000e+00    598
23               0.000000e+00                 0.000000e+00    445
24               4.000000e-01                 4.000000e-01   1500
25              -4.000000e-01                 4.000000e-01    852
26               4.000000e-01                 4.000000e-01    783
27               0.000000e+00                 0.000000e+00   1500
28               5.000000e-01                 5.000000e-01   1800
29               0.000000e+00                 0.000000e+00    462
30               5.000000e-01                 5.000000e-01    425
31               0.000000e+00                 0.000000e+00   3200
32               0.000000e+00                 0.000000e+00   3900
33               0.000000e+00                 0.000000e+00    480
34               1.000000e+00                 1.000000e+00    573
35               0.000000e+00                 0.000000e+00   3600
36               3.500000e-01                 3.500000e-01    343
37              -6.000000e-01                 6.000000e-01   7700
38              -5.000000e-01                 5.000000e-01   2600
39               0.000000e+00                 0.000000e+00    504
40               1.000000e-01                 1.000000e-01   2100
41               0.000000e+00                 0.000000e+00   1100
42               0.000000e+00                 0.000000e+00    401
43               0.000000e+00                 0.000000e+00   4200
44              -5.000000e-02                 5.000000e-02   1200
45               0.000000e+00                 0.000000e+00   1500
46               0.000000e+00                 0.000000e+00    575
47               0.000000e+00                 0.000000e+00    507
48               2.500000e-01                 2.500000e-01   1200
49               0.000000e+00                 0.000000e+00    695
```

50	0.000000e+00	0.000000e+00	1200
51	−4.000000e−01	4.000000e−01	4900
52	2.142857e−01	2.142857e−01	382
53	0.000000e+00	0.000000e+00	400
54	1.681818e−01	1.681818e−01	4600
55	2.500000e−01	2.500000e−01	2400
56	−1.000000e−01	1.000000e−01	1600
57	−5.000000e−01	5.000000e−01	1100
58	2.000000e−01	2.000000e−01	1300
59	1.363636e−01	1.363636e−01	819
60	1.363636e−01	1.363636e−01	585
61	0.000000e+00	0.000000e+00	536
62	0.000000e+00	0.000000e+00	834
63	2.500000e−01	2.500000e−01	645
64	3.333333e−02	3.333333e−02	598
65	0.000000e+00	0.000000e+00	217
66	−1.250000e−01	1.250000e−01	3200
67	−6.250000e−02	6.250000e−02	545
68	4.166667e−01	4.166667e−01	1800
69	5.000000e−01	5.000000e−01	1200
70	0.000000e+00	0.000000e+00	732
71	0.000000e+00	0.000000e+00	1200
72	0.000000e+00	0.000000e+00	2800
73	0.000000e+00	0.000000e+00	495
74	5.000000e−01	5.000000e−01	690
75	1.363636e−01	1.363636e−01	1300
76	0.000000e+00	0.000000e+00	552
77	1.363636e−01	1.363636e−01	631
78	0.000000e+00	0.000000e+00	4800
79	0.000000e+00	0.000000e+00	851
80	0.000000e+00	0.000000e+00	755
81	2.000000e−01	2.000000e−01	468
82	0.000000e+00	0.000000e+00	4600
83	0.000000e+00	0.000000e+00	1300
84	0.000000e+00	0.000000e+00	1200
85	0.000000e+00	0.000000e+00	1100
86	0.000000e+00	0.000000e+00	1500
87	−1.000000e−01	1.000000e−01	2400
88	3.333333e−01	3.333333e−01	1200
89	1.000000e−01	1.000000e−01	1700
90	4.000000e−01	4.000000e−01	1200
91	1.000000e−01	1.000000e−01	500
92	3.333333e−02	3.333333e−02	455
93	0.000000e+00	0.000000e+00	1100
94	0.000000e+00	0.000000e+00	459
95	0.000000e+00	0.000000e+00	1400
96	0.000000e+00	0.000000e+00	6400
97	−1.000000e+00	1.000000e+00	4800
98	−1.000000e−01	1.000000e−01	695
99	0.000000e+00	0.000000e+00	341
100	0.000000e+00	0.000000e+00	1900
101	−2.562500e−01	2.562500e−01	1200
102	2.500000e−01	2.500000e−01	450
103	0.000000e+00	0.000000e+00	663

104	0.000000e+00	0.000000e+00	302
105	0.000000e+00	0.000000e+00	971
106	0.000000e+00	0.000000e+00	1400
107	2.000000e-01	2.000000e-01	1000
108	0.000000e+00	0.000000e+00	1900
109	0.000000e+00	0.000000e+00	1100
110	0.000000e+00	0.000000e+00	1100
111	0.000000e+00	0.000000e+00	1500
112	0.000000e+00	0.000000e+00	2000
113	6.500000e-01	6.500000e-01	5700
114	5.000000e-01	5.000000e-01	7100
115	2.375000e-01	2.375000e-01	1200
116	0.000000e+00	0.000000e+00	705
117	2.500000e-01	2.500000e-01	1900
118	1.363636e-01	1.363636e-01	3800
119	1.777778e-01	1.777778e-01	2300
120	0.000000e+00	0.000000e+00	575
121	0.000000e+00	0.000000e+00	1800
122	1.000000e-01	1.000000e-01	1600
123	0.000000e+00	0.000000e+00	1900
124	0.000000e+00	0.000000e+00	5600
125	0.000000e+00	0.000000e+00	1500
126	2.142857e-01	2.142857e-01	9200
127	-6.000000e-01	6.000000e-01	1700
128	0.000000e+00	0.000000e+00	6000
129	0.000000e+00	0.000000e+00	752
130	5.000000e-01	5.000000e-01	19400
131	3.333333e-02	3.333333e-02	1700
132	0.000000e+00	0.000000e+00	1600
133	2.142857e-01	2.142857e-01	788
134	0.000000e+00	0.000000e+00	454
135	1.750000e-01	1.750000e-01	1100
136	0.000000e+00	0.000000e+00	2800
137	6.000000e-01	6.000000e-01	1600
138	6.333333e-01	6.333333e-01	2000
139	-4.000000e-01	4.000000e-01	412
140	0.000000e+00	0.000000e+00	1100
141	0.000000e+00	0.000000e+00	417
142	3.333333e-02	3.333333e-02	1600
143	0.000000e+00	0.000000e+00	2500
144	1.363636e-01	1.363636e-01	474
145	0.000000e+00	0.000000e+00	2100
146	0.000000e+00	0.000000e+00	513
147	0.000000e+00	0.000000e+00	10400
148	1.000000e+00	1.000000e+00	2200
149	0.000000e+00	0.000000e+00	5600
150	0.000000e+00	0.000000e+00	373
151	0.000000e+00	0.000000e+00	1000
152	-4.000000e-01	4.000000e-01	3200
153	0.000000e+00	0.000000e+00	657
154	1.363636e-01	1.363636e-01	2100
155	0.000000e+00	0.000000e+00	727
156	0.000000e+00	0.000000e+00	350
157	6.666667e-01	6.666667e-01	1900

158	0.000000e+00	0.000000e+00	1200
159	-3.000000e-01	3.000000e-01	2800
160	0.000000e+00	0.000000e+00	341
161	2.500000e-01	2.500000e-01	648
162	0.000000e+00	0.000000e+00	1300
163	-6.000000e-01	6.000000e-01	1000
164	3.000000e-01	3.000000e-01	1300
165	5.000000e-01	5.000000e-01	1700
166	0.000000e+00	0.000000e+00	4600
167	0.000000e+00	0.000000e+00	2700
168	0.000000e+00	0.000000e+00	1700
169	0.000000e+00	0.000000e+00	450
170	0.000000e+00	0.000000e+00	939
171	-8.000000e-01	8.000000e-01	1600
172	3.571429e-01	3.571429e-01	866
173	5.000000e-01	5.000000e-01	606
174	8.989899e-02	8.989899e-02	5000
175	0.000000e+00	0.000000e+00	11500
176	0.000000e+00	0.000000e+00	529
177	2.500000e-01	2.500000e-01	28000
178	2.321429e-01	2.321429e-01	1700
179	0.000000e+00	0.000000e+00	761
180	-3.500000e-01	3.500000e-01	958
181	0.000000e+00	0.000000e+00	904
182	0.000000e+00	0.000000e+00	1200
183	4.000000e-01	4.000000e-01	4500
184	2.000000e-01	2.000000e-01	1200
185	0.000000e+00	0.000000e+00	427
186	0.000000e+00	0.000000e+00	1300
187	0.000000e+00	0.000000e+00	3200
188	0.000000e+00	0.000000e+00	377
189	1.363636e-01	1.363636e-01	3400
190	5.000000e-01	5.000000e-01	972
191	0.000000e+00	0.000000e+00	979
192	6.250000e-02	6.250000e-02	737
193	-5.000000e-01	5.000000e-01	3800
194	0.000000e+00	0.000000e+00	396
195	0.000000e+00	0.000000e+00	1700
196	0.000000e+00	0.000000e+00	676
197	0.000000e+00	0.000000e+00	2900
198	0.000000e+00	0.000000e+00	2500
199	-1.000000e-01	1.000000e-01	1400
200	5.000000e-01	5.000000e-01	484
201	0.000000e+00	0.000000e+00	7500
202	1.363636e-01	1.363636e-01	441
203	0.000000e+00	0.000000e+00	922
204	0.000000e+00	0.000000e+00	473
205	2.666667e-01	2.666667e-01	3200
206	0.000000e+00	0.000000e+00	1600
207	-1.500000e-01	1.500000e-01	1300
208	1.363636e-01	1.363636e-01	1300
209	0.000000e+00	0.000000e+00	5600
210	0.000000e+00	0.000000e+00	8100
211	0.000000e+00	0.000000e+00	5500

212	4.333333e-01	4.333333e-01	3800
213	0.000000e+00	0.000000e+00	933
214	0.000000e+00	0.000000e+00	2500
215	0.000000e+00	0.000000e+00	1700
216	0.000000e+00	0.000000e+00	2400
217	−3.333333e−02	3.333333e−02	11400
218	0.000000e+00	0.000000e+00	308
219	0.000000e+00	0.000000e+00	1400
220	0.000000e+00	0.000000e+00	762
221	0.000000e+00	0.000000e+00	1200
222	0.000000e+00	0.000000e+00	657
223	0.000000e+00	0.000000e+00	1200
224	1.000000e−01	1.000000e−01	11800
225	4.000000e−01	4.000000e−01	2400
226	1.363636e−01	1.363636e−01	794
227	5.000000e−01	5.000000e−01	1500
228	0.000000e+00	0.000000e+00	1300
229	−1.500000e−01	1.500000e−01	1200
230	0.000000e+00	0.000000e+00	1900
231	0.000000e+00	0.000000e+00	1500
232	0.000000e+00	0.000000e+00	698
233	5.000000e−01	5.000000e−01	1100
234	0.000000e+00	0.000000e+00	742
235	0.000000e+00	0.000000e+00	2000
236	−7.500000e−01	7.500000e−01	1000
237	0.000000e+00	0.000000e+00	1500
238	0.000000e+00	0.000000e+00	1200
239	0.000000e+00	0.000000e+00	751
240	0.000000e+00	0.000000e+00	775
241	0.000000e+00	0.000000e+00	569
242	0.000000e+00	0.000000e+00	3000
243	0.000000e+00	0.000000e+00	1500
244	−3.000000e−01	3.000000e−01	1100
245	1.000000e−01	1.000000e−01	979
246	−2.500000e−01	2.500000e−01	802
247	0.000000e+00	0.000000e+00	2300
248	0.000000e+00	0.000000e+00	835
249	0.000000e+00	0.000000e+00	2000
250	7.000000e−01	7.000000e−01	12000
251	1.363636e−01	1.363636e−01	423
252	0.000000e+00	0.000000e+00	1000
253	0.000000e+00	0.000000e+00	1600
254	0.000000e+00	0.000000e+00	1400
255	1.363636e−01	1.363636e−01	2400
256	0.000000e+00	0.000000e+00	1200
257	0.000000e+00	0.000000e+00	1500
258	0.000000e+00	0.000000e+00	1400
259	0.000000e+00	0.000000e+00	1000
260	0.000000e+00	0.000000e+00	400
261	0.000000e+00	0.000000e+00	1700
262	1.000000e+00	1.000000e+00	3200
263	−2.500000e−01	2.500000e−01	1100
264	−3.000000e−01	3.000000e−01	4400
265	−2.000000e−01	2.000000e−01	1400

266	−8.333333e−02	8.333333e−02	924
267	0.000000e+00	0.000000e+00	1900
268	0.000000e+00	0.000000e+00	1300
269	0.000000e+00	0.000000e+00	1300
270	0.000000e+00	0.000000e+00	1800
271	−6.000000e−01	6.000000e−01	37400
272	0.000000e+00	0.000000e+00	18000
273	−1.250000e−01	1.250000e−01	2500
274	0.000000e+00	0.000000e+00	18200
275	1.363636e−01	1.363636e−01	924
276	0.000000e+00	0.000000e+00	730
277	1.363636e−01	1.363636e−01	3500
278	1.363636e−01	1.363636e−01	1900
279	0.000000e+00	0.000000e+00	614
280	0.000000e+00	0.000000e+00	2900
281	2.500000e−01	2.500000e−01	1600
282	3.750000e−01	3.750000e−01	1100
283	1.000000e−01	1.000000e−01	1100
284	0.000000e+00	0.000000e+00	2200
285	0.000000e+00	0.000000e+00	582
286	8.000000e−01	8.000000e−01	1000
287	−2.000000e−01	2.000000e−01	1700
288	−1.666667e−01	1.666667e−01	720
289	4.250000e−01	4.250000e−01	19800
290	0.000000e+00	0.000000e+00	1500
291	3.571429e−01	3.571429e−01	3000
292	−4.000000e−01	4.000000e−01	2500
293	0.000000e+00	0.000000e+00	4400
294	1.000000e−01	1.000000e−01	1400
295	0.000000e+00	0.000000e+00	1600
296	−3.166667e−01	3.166667e−01	2100
297	−5.000000e−01	5.000000e−01	1100
298	5.166667e−01	5.166667e−01	2100
299	4.000000e−01	4.000000e−01	840
300	0.000000e+00	0.000000e+00	1100
301	−2.500000e−01	2.500000e−01	1600
302	1.000000e−01	1.000000e−01	2100
303	0.000000e+00	0.000000e+00	2200
304	0.000000e+00	0.000000e+00	9000
305	5.000000e−01	5.000000e−01	622
306	2.142857e−01	2.142857e−01	1000
307	2.321429e−01	2.321429e−01	658
308	0.000000e+00	0.000000e+00	1400
309	2.500000e−01	2.500000e−01	1500
310	0.000000e+00	0.000000e+00	2300
311	1.000000e−01	1.000000e−01	5200
312	0.000000e+00	0.000000e+00	5300
313	4.000000e−01	4.000000e−01	1600
314	4.000000e−01	4.000000e−01	6300
315	5.000000e−01	5.000000e−01	2000
316	5.000000e−01	5.000000e−01	2300
317	0.000000e+00	0.000000e+00	1900
318	5.000000e−01	5.000000e−01	1700
319	5.000000e−01	5.000000e−01	1600

320	-7.000000e-01	7.000000e-01	1400
321	0.000000e+00	0.000000e+00	2100
322	0.000000e+00	0.000000e+00	3400
323	1.666667e-01	1.666667e-01	1000
324	0.000000e+00	0.000000e+00	1800
325	1.000000e+00	1.000000e+00	25200
326	2.142857e-01	2.142857e-01	15700
327	-7.500000e-02	7.500000e-02	1700
328	-2.500000e-01	2.500000e-01	2700
329	5.000000e-01	5.000000e-01	5400
330	5.000000e-01	5.000000e-01	1300
331	0.000000e+00	0.000000e+00	3800
332	1.000000e+00	1.000000e+00	7900
333	3.000000e-01	3.000000e-01	731
334	0.000000e+00	0.000000e+00	1900
335	0.000000e+00	0.000000e+00	3100
336	1.000000e-01	1.000000e-01	1900
337	6.000000e-01	6.000000e-01	9700
338	0.000000e+00	0.000000e+00	3400
339	3.000000e-01	3.000000e-01	894
340	3.500000e-01	3.500000e-01	1300
341	0.000000e+00	0.000000e+00	2100
342	2.500000e-01	2.500000e-01	12100
343	6.000000e-01	6.000000e-01	1400
344	0.000000e+00	0.000000e+00	3700
345	5.000000e-01	5.000000e-01	2200
346	0.000000e+00	0.000000e+00	1300
347	0.000000e+00	0.000000e+00	1600
348	0.000000e+00	0.000000e+00	1400
349	7.000000e-01	7.000000e-01	14300
350	3.500000e-01	3.500000e-01	33100
351	-1.000000e-01	1.000000e-01	3400
352	2.715909e-01	2.715909e-01	5400
353	0.000000e+00	0.000000e+00	5600
354	0.000000e+00	0.000000e+00	618
355	0.000000e+00	0.000000e+00	2300
356	0.000000e+00	0.000000e+00	8000
357	0.000000e+00	0.000000e+00	630
358	0.000000e+00	0.000000e+00	2900
359	1.363636e-01	1.363636e-01	5800
360	0.000000e+00	0.000000e+00	2000
361	-3.750000e-01	3.750000e-01	1900
362	-3.750000e-01	3.750000e-01	909
363	0.000000e+00	0.000000e+00	705
364	0.000000e+00	0.000000e+00	2700
365	-2.500000e-01	2.500000e-01	699
366	2.000000e-01	2.000000e-01	2100
367	1.250000e-01	1.250000e-01	1900
368	1.666667e-02	1.666667e-02	636
369	1.000000e+00	1.000000e+00	432
370	0.000000e+00	0.000000e+00	3000
371	0.000000e+00	0.000000e+00	621
372	5.000000e-01	5.000000e-01	5300
373	0.000000e+00	0.000000e+00	1600

374	2.000000e-01	2.000000e-01	1700
375	2.000000e-01	2.000000e-01	649
376	0.000000e+00	0.000000e+00	476
377	0.000000e+00	0.000000e+00	1300
378	0.000000e+00	0.000000e+00	1900
379	2.000000e-01	2.000000e-01	1700
380	6.500000e-01	6.500000e-01	1800
381	0.000000e+00	0.000000e+00	586
382	3.333333e-01	3.333333e-01	1100
383	0.000000e+00	0.000000e+00	992
384	2.000000e-01	2.000000e-01	950
385	-1.666667e-01	1.666667e-01	903
386	1.931818e-01	1.931818e-01	1500
387	0.000000e+00	0.000000e+00	1700
388	1.565657e-01	1.565657e-01	1600
389	3.000000e-01	3.000000e-01	1500
390	6.500000e-01	6.500000e-01	1200
391	0.000000e+00	0.000000e+00	1300
392	5.000000e-01	5.000000e-01	1300
393	3.000000e-01	3.000000e-01	862
394	0.000000e+00	0.000000e+00	1200
395	0.000000e+00	0.000000e+00	2600
396	0.000000e+00	0.000000e+00	4900
397	0.000000e+00	0.000000e+00	1900
398	0.000000e+00	0.000000e+00	2700
399	5.000000e-01	5.000000e-01	1100
400	-7.142857e-02	7.142857e-02	3000
401	0.000000e+00	0.000000e+00	727
402	0.000000e+00	0.000000e+00	1100
403	2.500000e-01	2.500000e-01	498
404	0.000000e+00	0.000000e+00	1300
405	-2.500000e-01	2.500000e-01	1300
406	1.000000e-01	1.000000e-01	1400
407	5.000000e-02	5.000000e-02	884
408	-4.000000e-01	4.000000e-01	1200
409	1.363636e-01	1.363636e-01	645
410	-2.780000e-17	2.780000e-17	429
411	3.333333e-02	3.333333e-02	39400
412	0.000000e+00	0.000000e+00	811
413	5.000000e-01	5.000000e-01	5200
414	0.000000e+00	0.000000e+00	756
415	0.000000e+00	0.000000e+00	498
416	3.333333e-02	3.333333e-02	2200
417	-5.000000e-01	5.000000e-01	1300
418	2.666667e-01	2.666667e-01	440
419	1.363636e-01	1.363636e-01	983
420	2.000000e-01	2.000000e-01	2800
421	2.000000e-01	2.000000e-01	1200
422	0.000000e+00	0.000000e+00	1300
423	0.000000e+00	0.000000e+00	423
424	1.363636e-01	1.363636e-01	735
425	3.000000e-01	3.000000e-01	1100
426	0.000000e+00	0.000000e+00	718
427	5.000000e-01	5.000000e-01	1400

428	5.000000e-01	5.000000e-01	1100
429	0.000000e+00	0.000000e+00	544
430	0.000000e+00	0.000000e+00	2400
431	0.000000e+00	0.000000e+00	6000
432	2.500000e-01	2.500000e-01	1200
433	0.000000e+00	0.000000e+00	2300
434	0.000000e+00	0.000000e+00	581
435	0.000000e+00	0.000000e+00	6800
436	0.000000e+00	0.000000e+00	752
437	5.000000e-02	5.000000e-02	866
438	-2.121212e-02	2.121212e-02	5000
439	0.000000e+00	0.000000e+00	1200
440	5.000000e-01	5.000000e-01	3200
441	5.000000e-01	5.000000e-01	442
442	1.777778e-01	1.777778e-01	2900
443	0.000000e+00	0.000000e+00	1100
444	-7.000000e-01	7.000000e-01	2200
445	0.000000e+00	0.000000e+00	1900
446	0.000000e+00	0.000000e+00	2400
447	-4.000000e-01	4.000000e-01	730
448	9.000000e-01	9.000000e-01	5900
449	0.000000e+00	0.000000e+00	458
450	0.000000e+00	0.000000e+00	2100
451	-3.000000e-01	3.000000e-01	1600
452	3.000000e-01	3.000000e-01	462
453	2.000000e-01	2.000000e-01	2500
454	1.363636e-01	1.363636e-01	1900
455	0.000000e+00	0.000000e+00	593
456	0.000000e+00	0.000000e+00	1300
457	1.000000e+00	1.000000e+00	5400
458	0.000000e+00	0.000000e+00	1100
459	1.363636e-01	1.363636e-01	3800
460	0.000000e+00	0.000000e+00	725
461	0.000000e+00	0.000000e+00	787
462	0.000000e+00	0.000000e+00	8900
463	1.363636e-01	1.363636e-01	5500
464	0.000000e+00	0.000000e+00	1900
465	-5.000000e-01	5.000000e-01	463
466	0.000000e+00	0.000000e+00	368
467	-1.000000e-01	1.000000e-01	1300
468	3.000000e-01	3.000000e-01	957
469	5.000000e-01	5.000000e-01	1200
470	-3.000000e-01	3.000000e-01	484
471	0.000000e+00	0.000000e+00	17100
472	0.000000e+00	0.000000e+00	2300
473	0.000000e+00	0.000000e+00	2300
474	2.000000e-01	2.000000e-01	3100
475	8.333333e-02	8.333333e-02	2400
476	-5.000000e-02	5.000000e-02	1100
477	0.000000e+00	0.000000e+00	568
478	7.000000e-01	7.000000e-01	4200
479	0.000000e+00	0.000000e+00	2200
480	0.000000e+00	0.000000e+00	968
481	0.000000e+00	0.000000e+00	1800

482	3.000000e-01	3.000000e-01	2000
483	0.000000e+00	0.000000e+00	768
484	3.000000e-01	3.000000e-01	635
485	0.000000e+00	0.000000e+00	1000
486	6.818182e-02	6.818182e-02	4800
487	0.000000e+00	0.000000e+00	685
488	0.000000e+00	0.000000e+00	1500
489	-1.500000e-01	1.500000e-01	6300
490	2.500000e-01	2.500000e-01	2000
491	0.000000e+00	0.000000e+00	902
492	-2.000000e-01	2.000000e-01	1200
493	0.000000e+00	0.000000e+00	1700
494	0.000000e+00	0.000000e+00	1000
495	5.000000e-01	5.000000e-01	824
496	0.000000e+00	0.000000e+00	5100
497	0.000000e+00	0.000000e+00	2500
498	1.000000e-01	1.000000e-01	2900
499	0.000000e+00	0.000000e+00	933
500	-3.000000e-01	3.000000e-01	480
501	0.000000e+00	0.000000e+00	3200
502	-1.875000e-01	1.875000e-01	1000
503	0.000000e+00	0.000000e+00	660
504	0.000000e+00	0.000000e+00	1800
505	0.000000e+00	0.000000e+00	2600
506	2.500000e-01	2.500000e-01	757
507	0.000000e+00	0.000000e+00	1300
508	0.000000e+00	0.000000e+00	514
509	0.000000e+00	0.000000e+00	2100
510	5.000000e-01	5.000000e-01	1200
511	0.000000e+00	0.000000e+00	1900
512	0.000000e+00	0.000000e+00	2600
513	0.000000e+00	0.000000e+00	615
514	0.000000e+00	0.000000e+00	504
515	0.000000e+00	0.000000e+00	1300
516	0.000000e+00	0.000000e+00	1400
517	-1.000000e-01	1.000000e-01	2200
518	5.000000e-01	5.000000e-01	1300
519	5.000000e-01	5.000000e-01	1400
520	1.111111e-02	1.111111e-02	2500
521	-2.500000e-01	2.500000e-01	1500
522	-6.000000e-01	6.000000e-01	416
523	0.000000e+00	0.000000e+00	900
524	3.000000e-01	3.000000e-01	529
525	0.000000e+00	0.000000e+00	354
526	0.000000e+00	0.000000e+00	483
527	0.000000e+00	0.000000e+00	575
528	4.958333e-01	4.958333e-01	1700
529	0.000000e+00	0.000000e+00	3400
530	0.000000e+00	0.000000e+00	10400
531	0.000000e+00	0.000000e+00	2500
532	0.000000e+00	0.000000e+00	1600
533	0.000000e+00	0.000000e+00	1200
534	0.000000e+00	0.000000e+00	2100
535	3.333333e-02	3.333333e-02	1200

536	4.000000e-01	4.000000e-01	6400
537	-5.000000e-01	5.000000e-01	17300
538	0.000000e+00	0.000000e+00	1300
539	0.000000e+00	0.000000e+00	1400
540	0.000000e+00	0.000000e+00	2100
541	6.000000e-01	6.000000e-01	1900
542	1.363636e-01	1.363636e-01	560
543	2.500000e-01	2.500000e-01	2900
544	0.000000e+00	0.000000e+00	1600
545	-3.833333e-01	3.833333e-01	11400
546	0.000000e+00	0.000000e+00	4500
547	0.000000e+00	0.000000e+00	782
548	1.363636e-01	1.363636e-01	1300
549	0.000000e+00	0.000000e+00	1200
550	0.000000e+00	0.000000e+00	811
551	0.000000e+00	0.000000e+00	2200
552	0.000000e+00	0.000000e+00	4100
553	0.000000e+00	0.000000e+00	1900
554	6.000000e-01	6.000000e-01	9100
555	6.818182e-02	6.818182e-02	1500
556	-8.333333e-02	8.333333e-02	3400
557	0.000000e+00	0.000000e+00	460
558	1.363636e-01	1.363636e-01	554
559	1.363636e-01	1.363636e-01	638
560	0.000000e+00	0.000000e+00	712
561	1.333333e-01	1.333333e-01	1500
562	-1.666667e-01	1.666667e-01	2200
563	2.000000e-01	2.000000e-01	438
564	0.000000e+00	0.000000e+00	3100
565	6.750000e-01	6.750000e-01	51900
566	0.000000e+00	0.000000e+00	935
567	0.000000e+00	0.000000e+00	832
568	0.000000e+00	0.000000e+00	804
569	0.000000e+00	0.000000e+00	3500
570	8.000000e-01	8.000000e-01	864
571	3.750000e-01	3.750000e-01	3000
572	0.000000e+00	0.000000e+00	1200
573	0.000000e+00	0.000000e+00	847
574	0.000000e+00	0.000000e+00	917
575	0.000000e+00	0.000000e+00	1200
576	0.000000e+00	0.000000e+00	673
577	0.000000e+00	0.000000e+00	938
578	0.000000e+00	0.000000e+00	358
579	0.000000e+00	0.000000e+00	1200
580	0.000000e+00	0.000000e+00	2100
581	-5.000000e-01	5.000000e-01	672
582	0.000000e+00	0.000000e+00	2300
583	2.500000e-01	2.500000e-01	1100
584	-1.000000e+00	1.000000e+00	1100
585	0.000000e+00	0.000000e+00	1100
586	6.818182e-02	6.818182e-02	1800
587	0.000000e+00	0.000000e+00	610
588	0.000000e+00	0.000000e+00	870
589	-1.250000e-01	1.250000e-01	835

590	0.000000e+00	0.000000e+00	1200
591	0.000000e+00	0.000000e+00	2400
592	0.000000e+00	0.000000e+00	1100
593	0.000000e+00	0.000000e+00	1300
594	0.000000e+00	0.000000e+00	793
595	7.000000e-01	7.000000e-01	3500
596	0.000000e+00	0.000000e+00	2500
597	1.000000e-01	1.000000e-01	704
598	0.000000e+00	0.000000e+00	4800
599	0.000000e+00	0.000000e+00	12300
600	1.000000e-01	1.000000e-01	833
601	0.000000e+00	0.000000e+00	4900
602	0.000000e+00	0.000000e+00	2900
603	0.000000e+00	0.000000e+00	844
604	0.000000e+00	0.000000e+00	744
605	0.000000e+00	0.000000e+00	1600
606	0.000000e+00	0.000000e+00	690
607	0.000000e+00	0.000000e+00	998
608	0.000000e+00	0.000000e+00	3300
609	0.000000e+00	0.000000e+00	1100
610	-1.333333e-01	1.333333e-01	1900
611	2.500000e-01	2.500000e-01	4000
612	0.000000e+00	0.000000e+00	2500
613	-7.000000e-01	7.000000e-01	5100
614	0.000000e+00	0.000000e+00	2900
615	1.363636e-01	1.363636e-01	802
616	0.000000e+00	0.000000e+00	1400
617	0.000000e+00	0.000000e+00	4200
618	1.363636e-01	1.363636e-01	875
619	0.000000e+00	0.000000e+00	1200
620	0.000000e+00	0.000000e+00	2000
621	1.518038e-01	1.518038e-01	5000
622	3.333333e-02	3.333333e-02	2100
623	0.000000e+00	0.000000e+00	715
624	0.000000e+00	0.000000e+00	1700
625	5.000000e-01	5.000000e-01	801
626	-2.250000e-01	2.250000e-01	4200
627	0.000000e+00	0.000000e+00	1900
628	-7.777778e-02	7.777778e-02	756
629	0.000000e+00	0.000000e+00	592
630	0.000000e+00	0.000000e+00	2600
631	0.000000e+00	0.000000e+00	1400
632	0.000000e+00	0.000000e+00	1100
633	0.000000e+00	0.000000e+00	1100
634	5.000000e-01	5.000000e-01	2300
635	2.000000e-01	2.000000e-01	1700
636	3.333333e-02	3.333333e-02	9100
637	0.000000e+00	0.000000e+00	5700
638	4.000000e-01	4.000000e-01	1800
639	1.250000e-01	1.250000e-01	7200
640	4.250000e-01	4.250000e-01	671
641	0.000000e+00	0.000000e+00	2200
642	1.363636e-01	1.363636e-01	1800
643	0.000000e+00	0.000000e+00	3500

644	0.000000e+00	0.000000e+00	2900
645	0.000000e+00	0.000000e+00	817
646	0.000000e+00	0.000000e+00	3400
647	0.000000e+00	0.000000e+00	1600
648	3.333333e-02	3.333333e-02	771
649	0.000000e+00	0.000000e+00	15800
650	1.363636e-01	1.363636e-01	794
651	0.000000e+00	0.000000e+00	465
652	9.000000e-01	9.000000e-01	2200
653	8.000000e-01	8.000000e-01	1700
654	3.333333e-01	3.333333e-01	577
655	5.000000e-02	5.000000e-02	17500
656	-2.500000e-01	2.500000e-01	1100
657	0.000000e+00	0.000000e+00	2200
658	6.000000e-01	6.000000e-01	536
659	5.500000e-01	5.500000e-01	1900
660	0.000000e+00	0.000000e+00	3300
661	-4.000000e-01	4.000000e-01	1300
662	6.666667e-02	6.666667e-02	5700
663	1.363636e-01	1.363636e-01	3100
664	0.000000e+00	0.000000e+00	701
665	-7.500000e-02	7.500000e-02	8000
666	0.000000e+00	0.000000e+00	3600
667	0.000000e+00	0.000000e+00	1300
668	0.000000e+00	0.000000e+00	2900
669	0.000000e+00	0.000000e+00	1200
670	0.000000e+00	0.000000e+00	2400
671	0.000000e+00	0.000000e+00	3700
672	5.000000e-01	5.000000e-01	1500
673	0.000000e+00	0.000000e+00	5800
674	2.500000e-01	2.500000e-01	721
675	6.818182e-02	6.818182e-02	2700
676	0.000000e+00	0.000000e+00	1700
677	0.000000e+00	0.000000e+00	3400
678	0.000000e+00	0.000000e+00	2200
679	0.000000e+00	0.000000e+00	1400
680	0.000000e+00	0.000000e+00	1000
681	3.333333e-02	3.333333e-02	2100
682	1.000000e-01	1.000000e-01	1200
683	0.000000e+00	0.000000e+00	1300
684	0.000000e+00	0.000000e+00	561
685	2.500000e-01	2.500000e-01	2200
686	0.000000e+00	0.000000e+00	715
687	0.000000e+00	0.000000e+00	2900
688	0.000000e+00	0.000000e+00	2800
689	1.000000e+00	1.000000e+00	1800
690	3.121212e-01	3.121212e-01	930
691	0.000000e+00	0.000000e+00	1200
692	1.363636e-01	1.363636e-01	1100
693	0.000000e+00	0.000000e+00	1500
694	2.000000e-01	2.000000e-01	1500
695	2.928571e-01	2.928571e-01	1200
696	4.000000e-01	4.000000e-01	1800
697	6.000000e-01	6.000000e-01	1900

698	0.000000e+00	0.000000e+00	1500
699	2.857143e-01	2.857143e-01	1200
700	0.000000e+00	0.000000e+00	2000
701	1.363636e-01	1.363636e-01	2200
702	0.000000e+00	0.000000e+00	1200
703	2.500000e-01	2.500000e-01	1100
704	0.000000e+00	0.000000e+00	2700
705	-2.000000e-01	2.000000e-01	2600
706	2.142857e-01	2.142857e-01	1300
707	0.000000e+00	0.000000e+00	3000
708	0.000000e+00	0.000000e+00	1900
709	0.000000e+00	0.000000e+00	7700
710	5.000000e-01	5.000000e-01	1300
711	0.000000e+00	0.000000e+00	2300
712	2.000000e-01	2.000000e-01	3200
713	0.000000e+00	0.000000e+00	3100
714	0.000000e+00	0.000000e+00	2400
715	0.000000e+00	0.000000e+00	3800
716	0.000000e+00	0.000000e+00	2600
717	-1.000000e+00	1.000000e+00	3500
718	0.000000e+00	0.000000e+00	2800
719	-5.000000e-02	5.000000e-02	7800
720	0.000000e+00	0.000000e+00	7800
721	0.000000e+00	0.000000e+00	2000
722	5.000000e-01	5.000000e-01	5800
723	6.000000e-01	6.000000e-01	2200
724	0.000000e+00	0.000000e+00	9800
725	0.000000e+00	0.000000e+00	1700
726	1.000000e-01	1.000000e-01	3900
727	0.000000e+00	0.000000e+00	4200
728	1.000000e-01	1.000000e-01	1600
729	7.500000e-01	7.500000e-01	3500
730	0.000000e+00	0.000000e+00	2600
731	5.000000e-01	5.000000e-01	2000
732	0.000000e+00	0.000000e+00	1600
733	0.000000e+00	0.000000e+00	17600
734	0.000000e+00	0.000000e+00	767
735	1.363636e-01	1.363636e-01	4400
736	0.000000e+00	0.000000e+00	1300
737	5.000000e-01	5.000000e-01	2800
738	7.000000e-01	7.000000e-01	2000
739	0.000000e+00	0.000000e+00	5700
740	0.000000e+00	0.000000e+00	2200
741	0.000000e+00	0.000000e+00	1600
742	-2.222222e-02	2.222222e-02	2100
743	0.000000e+00	0.000000e+00	1700
744	0.000000e+00	0.000000e+00	827
745	0.000000e+00	0.000000e+00	2500
746	0.000000e+00	0.000000e+00	2500
747	0.000000e+00	0.000000e+00	764
748	0.000000e+00	0.000000e+00	1100
749	0.000000e+00	0.000000e+00	4000
750	0.000000e+00	0.000000e+00	2900
751	1.666667e-02	1.666667e-02	1100

752	1.363636e-01	1.363636e-01	423
753	0.000000e+00	0.000000e+00	1000
754	0.000000e+00	0.000000e+00	2100
755	0.000000e+00	0.000000e+00	2200
756	-1.250000e-01	1.250000e-01	703
757	4.000000e-01	4.000000e-01	1000
758	0.000000e+00	0.000000e+00	1900
759	2.500000e-01	2.500000e-01	863
760	0.000000e+00	0.000000e+00	1100
761	2.500000e-01	2.500000e-01	1400
762	0.000000e+00	0.000000e+00	1900
763	0.000000e+00	0.000000e+00	3700
764	0.000000e+00	0.000000e+00	799
765	0.000000e+00	0.000000e+00	3700
766	0.000000e+00	0.000000e+00	1600
767	0.000000e+00	0.000000e+00	2000
768	0.000000e+00	0.000000e+00	1600
769	0.000000e+00	0.000000e+00	2100
770	0.000000e+00	0.000000e+00	1300
771	5.000000e-01	5.000000e-01	1100
772	0.000000e+00	0.000000e+00	1800
773	-4.000000e-01	4.000000e-01	3200
774	5.000000e-01	5.000000e-01	800
775	-5.000000e-02	5.000000e-02	1500
776	5.000000e-01	5.000000e-01	1100
777	4.000000e-01	4.000000e-01	900
778	5.000000e-02	5.000000e-02	1100
779	1.363636e-01	1.363636e-01	1100
780	0.000000e+00	0.000000e+00	1600
781	0.000000e+00	0.000000e+00	1600
782	0.000000e+00	0.000000e+00	2100
783	1.000000e-01	1.000000e-01	2700
784	2.500000e-01	2.500000e-01	950
785	0.000000e+00	0.000000e+00	1400
786	0.000000e+00	0.000000e+00	971
787	4.166667e-01	4.166667e-01	872
788	0.000000e+00	0.000000e+00	1700
789	0.000000e+00	0.000000e+00	657
790	0.000000e+00	0.000000e+00	1100
791	1.000000e+00	1.000000e+00	2800
792	0.000000e+00	0.000000e+00	1700
793	0.000000e+00	0.000000e+00	718
794	-7.000000e-01	7.000000e-01	4500
795	0.000000e+00	0.000000e+00	1800
796	-1.250000e-01	1.250000e-01	533
797	0.000000e+00	0.000000e+00	6800
798	1.363636e-01	1.363636e-01	1200
799	0.000000e+00	0.000000e+00	2000
800	0.000000e+00	0.000000e+00	6500
801	4.333333e-01	4.333333e-01	3100
802	1.410714e-01	1.410714e-01	987
803	0.000000e+00	0.000000e+00	6700
804	0.000000e+00	0.000000e+00	4100
805	5.000000e-01	5.000000e-01	428

806	1.250000e-01	1.250000e-01	1500
807	5.000000e-01	5.000000e-01	1500
808	0.000000e+00	0.000000e+00	2100
809	1.000000e-01	1.000000e-01	1500
810	0.000000e+00	0.000000e+00	936
811	6.818182e-02	6.818182e-02	1200
812	7.000000e-01	7.000000e-01	5300
813	8.000000e-02	8.000000e-02	860
814	4.000000e-01	4.000000e-01	4600
815	0.000000e+00	0.000000e+00	925
816	2.000000e-01	2.000000e-01	11900
817	0.000000e+00	0.000000e+00	1700
818	-1.218750e-01	1.218750e-01	940
819	0.000000e+00	0.000000e+00	560
820	0.000000e+00	0.000000e+00	2600
821	1.000000e+00	1.000000e+00	1500
822	0.000000e+00	0.000000e+00	866
823	1.600000e-01	1.600000e-01	1200
824	-4.000000e-01	4.000000e-01	6000
825	2.500000e-01	2.500000e-01	1300
826	1.363636e-01	1.363636e-01	2100
827	1.777778e-01	1.777778e-01	1400
828	0.000000e+00	0.000000e+00	583
829	0.000000e+00	0.000000e+00	1200
830	0.000000e+00	0.000000e+00	3000
831	1.000000e-01	1.000000e-01	1100
832	0.000000e+00	0.000000e+00	6500
833	4.166667e-02	4.166667e-02	1200
834	1.000000e-01	1.000000e-01	751
835	0.000000e+00	0.000000e+00	741
836	2.500000e-01	2.500000e-01	2100
837	0.000000e+00	0.000000e+00	1800
838	1.666667e-02	1.666667e-02	1600
839	7.000000e-01	7.000000e-01	635
840	0.000000e+00	0.000000e+00	589
841	0.000000e+00	0.000000e+00	1100
842	-5.000000e-02	5.000000e-02	473
843	-5.000000e-01	5.000000e-01	1200
844	0.000000e+00	0.000000e+00	1100
845	5.000000e-01	5.000000e-01	1500
846	3.333333e-01	3.333333e-01	1000
847	0.000000e+00	0.000000e+00	532
848	0.000000e+00	0.000000e+00	1400
849	0.000000e+00	0.000000e+00	1100
850	2.000000e-01	2.000000e-01	510
851	3.000000e-01	3.000000e-01	342
852	3.000000e-01	3.000000e-01	1700
853	1.000000e+00	1.000000e+00	2700
854	0.000000e+00	0.000000e+00	1900
855	1.000000e-01	1.000000e-01	22000
856	0.000000e+00	0.000000e+00	503
857	0.000000e+00	0.000000e+00	2800
858	1.363636e-01	1.363636e-01	1100
859	0.000000e+00	0.000000e+00	522

860	1.600000e-01	1.600000e-01	1100
861	2.500000e-01	2.500000e-01	1500
862	1.363636e-01	1.363636e-01	2000
863	0.000000e+00	0.000000e+00	1900
864	0.000000e+00	0.000000e+00	5500
865	0.000000e+00	0.000000e+00	1200
866	0.000000e+00	0.000000e+00	4600
867	-1.250000e-01	1.250000e-01	823
868	0.000000e+00	0.000000e+00	1800
869	-9.285714e-02	9.285714e-02	5600
870	0.000000e+00	0.000000e+00	2500
871	0.000000e+00	0.000000e+00	1900
872	3.375000e-01	3.375000e-01	689
873	0.000000e+00	0.000000e+00	1100
874	5.000000e-01	5.000000e-01	3700
875	0.000000e+00	0.000000e+00	1200
876	5.000000e-01	5.000000e-01	952
877	2.000000e-01	2.000000e-01	300
878	0.000000e+00	0.000000e+00	2600
879	-7.000000e-01	7.000000e-01	1300
880	0.000000e+00	0.000000e+00	1500
881	4.500000e-01	4.500000e-01	1900
882	0.000000e+00	0.000000e+00	1000
883	1.000000e-01	1.000000e-01	1500
884	0.000000e+00	0.000000e+00	1000
885	-1.666667e-01	1.666667e-01	1000
886	5.000000e-01	5.000000e-01	3200
887	-4.000000e-01	4.000000e-01	1200
888	4.000000e-01	4.000000e-01	2500
889	0.000000e+00	0.000000e+00	1900
890	0.000000e+00	0.000000e+00	2800
891	0.000000e+00	0.000000e+00	2700
892	0.000000e+00	0.000000e+00	956
893	-4.444444e-02	4.444444e-02	1000
894	-5.000000e-01	5.000000e-01	2500
895	1.931818e-01	1.931818e-01	915
896	0.000000e+00	0.000000e+00	2000
897	0.000000e+00	0.000000e+00	864
898	2.142857e-01	2.142857e-01	4100
899	6.666667e-01	6.666667e-01	910
900	1.600000e-01	1.600000e-01	790
901	0.000000e+00	0.000000e+00	623
902	0.000000e+00	0.000000e+00	548
903	0.000000e+00	0.000000e+00	1400
904	1.000000e-01	1.000000e-01	1100
905	0.000000e+00	0.000000e+00	508
906	-1.250000e-01	1.250000e-01	1800
907	1.363636e-01	1.363636e-01	909
908	0.000000e+00	0.000000e+00	999
909	-4.833333e-01	4.833333e-01	2100
910	-6.500000e-02	6.500000e-02	825
911	3.500000e-01	3.500000e-01	2400
912	1.363636e-01	1.363636e-01	1300
913	0.000000e+00	0.000000e+00	2100

914	-2.916667e-01	2.916667e-01	2000
915	0.000000e+00	0.000000e+00	2600
916	5.000000e-01	5.000000e-01	1100
917	5.000000e-01	5.000000e-01	2700
918	0.000000e+00	0.000000e+00	1700
919	2.000000e-01	2.000000e-01	3000
920	0.000000e+00	0.000000e+00	2500
921	-1.250000e-01	1.250000e-01	1900
922	0.000000e+00	0.000000e+00	10200
923	0.000000e+00	0.000000e+00	603
924	0.000000e+00	0.000000e+00	1500
925	0.000000e+00	0.000000e+00	1200
926	0.000000e+00	0.000000e+00	957
927	0.000000e+00	0.000000e+00	899
928	0.000000e+00	0.000000e+00	1200
929	3.333333e-01	3.333333e-01	1700
930	2.500000e-01	2.500000e-01	1000
931	0.000000e+00	0.000000e+00	8200
932	2.500000e-01	2.500000e-01	1500
933	1.363636e-01	1.363636e-01	683
934	0.000000e+00	0.000000e+00	1800
935	0.000000e+00	0.000000e+00	371
936	0.000000e+00	0.000000e+00	1500
937	-3.277778e-01	3.277778e-01	7400
938	-1.250000e-01	1.250000e-01	2700
939	1.363636e-01	1.363636e-01	375
940	7.000000e-01	7.000000e-01	799
941	-7.777778e-02	7.777778e-02	445
942	0.000000e+00	0.000000e+00	837
943	6.590909e-02	6.590909e-02	978
944	0.000000e+00	0.000000e+00	2000
945	1.000000e-01	1.000000e-01	1200
946	2.142857e-01	2.142857e-01	1500
947	1.000000e-01	1.000000e-01	929
948	1.931818e-01	1.931818e-01	1200
949	6.000000e-01	6.000000e-01	1500
950	0.000000e+00	0.000000e+00	1100
951	0.000000e+00	0.000000e+00	513
952	0.000000e+00	0.000000e+00	730
953	1.777778e-01	1.777778e-01	560
954	1.666667e-02	1.666667e-02	8300
955	4.333333e-01	4.333333e-01	8300
956	2.500000e-01	2.500000e-01	740
957	-3.333333e-02	3.333333e-02	581
958	0.000000e+00	0.000000e+00	556
959	0.000000e+00	0.000000e+00	730
960	2.000000e-01	2.000000e-01	775
961	0.000000e+00	0.000000e+00	518
962	0.000000e+00	0.000000e+00	3100
963	0.000000e+00	0.000000e+00	4700
964	2.500000e-01	2.500000e-01	1700
965	2.000000e-01	2.000000e-01	1900
966	0.000000e+00	0.000000e+00	886
967	0.000000e+00	0.000000e+00	2100

968	1.000000e-01	1.000000e-01	1300
969	1.363636e-01	1.363636e-01	3900
970	-5.000000e-01	5.000000e-01	39200
971	1.000000e-01	1.000000e-01	876
972	2.142857e-01	2.142857e-01	1800
973	4.000000e-01	4.000000e-01	1100
974	0.000000e+00	0.000000e+00	755
975	1.363636e-01	1.363636e-01	6000
976	3.333333e-02	3.333333e-02	1800
977	-2.000000e-01	2.000000e-01	555
978	2.500000e-01	2.500000e-01	13800
979	-1.250000e-01	1.250000e-01	447
980	0.000000e+00	0.000000e+00	4400
981	0.000000e+00	0.000000e+00	1700
982	1.111111e-02	1.111111e-02	1000
983	1.333333e-01	1.333333e-01	1900
984	0.000000e+00	0.000000e+00	902
985	0.000000e+00	0.000000e+00	1100
986	5.000000e-01	5.000000e-01	1000
987	1.000000e+00	1.000000e+00	1600
988	0.000000e+00	0.000000e+00	9500
989	0.000000e+00	0.000000e+00	1300
990	-1.250000e-02	1.250000e-02	949
991	0.000000e+00	0.000000e+00	405
992	-1.555556e-01	1.555556e-01	2100
993	0.000000e+00	0.000000e+00	1500
994	-1.555556e-01	1.555556e-01	2300
995	0.000000e+00	0.000000e+00	4000
996	0.000000e+00	0.000000e+00	785
997	3.333333e-02	3.333333e-02	2400
998	3.500000e-01	3.500000e-01	2300
999	0.000000e+00	0.000000e+00	5200
1000	-2.000000e-01	2.000000e-01	3800
1001	0.000000e+00	0.000000e+00	431
1002	0.000000e+00	0.000000e+00	3600
1003	0.000000e+00	0.000000e+00	2500
1004	3.333333e-01	3.333333e-01	515
1005	0.000000e+00	0.000000e+00	537
1006	0.000000e+00	0.000000e+00	668
1007	3.571429e-01	3.571429e-01	5000
1008	2.000000e-01	2.000000e-01	3400
1009	1.363636e-01	1.363636e-01	471
1010	-1.000000e-01	1.000000e-01	1200
1011	4.750000e-01	4.750000e-01	527
1012	-1.666667e-02	1.666667e-02	1400
1013	2.500000e-01	2.500000e-01	632
1014	0.000000e+00	0.000000e+00	998
1015	0.000000e+00	0.000000e+00	400
1016	0.000000e+00	0.000000e+00	1000
1017	2.500000e-01	2.500000e-01	2700
1018	2.250000e-01	2.250000e-01	2200
1019	-8.333333e-02	8.333333e-02	3300
1020	0.000000e+00	0.000000e+00	1200
1021	0.000000e+00	0.000000e+00	1700

1022	3.500000e-01	3.500000e-01	1300
1023	0.000000e+00	0.000000e+00	482
1024	0.000000e+00	0.000000e+00	1300
1025	0.000000e+00	0.000000e+00	2100
1026	-1.666667e-01	1.666667e-01	1600
1027	0.000000e+00	0.000000e+00	2700
1028	0.000000e+00	0.000000e+00	1300
1029	1.416667e-01	1.416667e-01	2000
1030	4.166667e-01	4.166667e-01	2000
1031	3.916667e-01	3.916667e-01	4400
1032	3.333333e-01	3.333333e-01	3900
1033	2.916667e-01	2.916667e-01	8100
1034	0.000000e+00	0.000000e+00	1400
1035	0.000000e+00	0.000000e+00	2500
1036	0.000000e+00	0.000000e+00	3100
1037	2.500000e-01	2.500000e-01	2100
1038	5.000000e-01	5.000000e-01	1800
1039	0.000000e+00	0.000000e+00	1200
1040	0.000000e+00	0.000000e+00	1700
1041	0.000000e+00	0.000000e+00	2700
1042	9.000000e-01	9.000000e-01	1200
1043	0.000000e+00	0.000000e+00	5700
1044	5.000000e-01	5.000000e-01	606
1045	6.000000e-01	6.000000e-01	10700
1046	8.484849e-02	8.484849e-02	1000
1047	0.000000e+00	0.000000e+00	735
1048	0.000000e+00	0.000000e+00	1500
1049	0.000000e+00	0.000000e+00	763
1050	8.500000e-01	8.500000e-01	9700
1051	2.500000e-01	2.500000e-01	3800
1052	0.000000e+00	0.000000e+00	532
1053	-4.375000e-02	4.375000e-02	811
1054	5.000000e-01	5.000000e-01	3200
1055	0.000000e+00	0.000000e+00	942
1056	0.000000e+00	0.000000e+00	1400
1057	0.000000e+00	0.000000e+00	731
1058	2.916667e-01	2.916667e-01	4800
1059	-5.000000e-01	5.000000e-01	2700
1060	0.000000e+00	0.000000e+00	11800
1061	7.500000e-01	7.500000e-01	3400
1062	0.000000e+00	0.000000e+00	3300
1063	0.000000e+00	0.000000e+00	4500
1064	2.500000e-02	2.500000e-02	4300
1065	3.333333e-01	3.333333e-01	1500
1066	3.666667e-01	3.666667e-01	4300
1067	-1.250000e-01	1.250000e-01	614
1068	0.000000e+00	0.000000e+00	3500
1069	0.000000e+00	0.000000e+00	2600
1070	0.000000e+00	0.000000e+00	3900
1071	0.000000e+00	0.000000e+00	3100
1072	0.000000e+00	0.000000e+00	1600
1073	0.000000e+00	0.000000e+00	928
1074	0.000000e+00	0.000000e+00	4100
1075	0.000000e+00	0.000000e+00	7000

1076	0.000000e+00	0.000000e+00	921
1077	3.333333e-02	3.333333e-02	1800
1078	4.000000e-01	4.000000e-01	2100
1079	0.000000e+00	0.000000e+00	856
1080	0.000000e+00	0.000000e+00	2700
1081	2.500000e-01	2.500000e-01	2700
1082	-6.000000e-01	6.000000e-01	2500
1083	6.250000e-02	6.250000e-02	1100
1084	2.000000e-01	2.000000e-01	1200
1085	0.000000e+00	0.000000e+00	2100
1086	1.000000e+00	1.000000e+00	1200
1087	3.750000e-01	3.750000e-01	931
1088	0.000000e+00	0.000000e+00	2700
1089	1.000000e+00	1.000000e+00	2300
1090	2.500000e-01	2.500000e-01	475
1091	0.000000e+00	0.000000e+00	574
1092	5.000000e-01	5.000000e-01	4700
1093	0.000000e+00	0.000000e+00	1100
1094	0.000000e+00	0.000000e+00	1400
1095	1.000000e-01	1.000000e-01	1200
1096	5.000000e-01	5.000000e-01	3200
1097	0.000000e+00	0.000000e+00	1500
1098	4.333333e-01	4.333333e-01	538
1099	0.000000e+00	0.000000e+00	1100
1100	0.000000e+00	0.000000e+00	661
1101	5.000000e-01	5.000000e-01	535
1102	0.000000e+00	0.000000e+00	1300
1103	-5.000000e-01	5.000000e-01	1200
1104	1.363636e-01	1.363636e-01	705
1105	2.000000e-01	2.000000e-01	521
1106	0.000000e+00	0.000000e+00	1300
1107	0.000000e+00	0.000000e+00	1600
1108	0.000000e+00	0.000000e+00	3800
1109	0.000000e+00	0.000000e+00	1000
1110	0.000000e+00	0.000000e+00	8000
1111	0.000000e+00	0.000000e+00	1400
1112	0.000000e+00	0.000000e+00	2500
1113	0.000000e+00	0.000000e+00	1100
1114	0.000000e+00	0.000000e+00	1600
1115	0.000000e+00	0.000000e+00	1300
1116	0.000000e+00	0.000000e+00	10800
1117	0.000000e+00	0.000000e+00	2000
1118	4.500000e-01	4.500000e-01	9800
1119	0.000000e+00	0.000000e+00	2200
1120	1.000000e+00	1.000000e+00	2900
1121	2.500000e-01	2.500000e-01	1300
1122	3.333333e-02	3.333333e-02	6800
1123	0.000000e+00	0.000000e+00	4900
1124	1.000000e+00	1.000000e+00	2200
1125	1.000000e+00	1.000000e+00	30000
1126	0.000000e+00	0.000000e+00	6200
1127	7.777778e-02	7.777778e-02	5600
1128	0.000000e+00	0.000000e+00	5200
1129	0.000000e+00	0.000000e+00	3900

1130	0.000000e+00	0.000000e+00	2300
1131	0.000000e+00	0.000000e+00	2700
1132	0.000000e+00	0.000000e+00	2800
1133	0.000000e+00	0.000000e+00	6300
1134	0.000000e+00	0.000000e+00	1300
1135	5.000000e-01	5.000000e-01	1400
1136	-1.000000e+00	1.000000e+00	2400
1137	0.000000e+00	0.000000e+00	1700
1138	2.500000e-01	2.500000e-01	5900
1139	0.000000e+00	0.000000e+00	3800
1140	1.753247e-01	1.753247e-01	3100
1141	0.000000e+00	0.000000e+00	1100
1142	-7.000000e-01	7.000000e-01	2400
1143	4.500000e-01	4.500000e-01	3000
1144	2.166667e-01	2.166667e-01	1400
1145	6.000000e-01	6.000000e-01	8200
1146	7.500000e-01	7.500000e-01	2200
1147	5.000000e-01	5.000000e-01	2700
1148	0.000000e+00	0.000000e+00	4300
1149	1.166667e-01	1.166667e-01	1500
1150	0.000000e+00	0.000000e+00	6400
1151	0.000000e+00	0.000000e+00	1100
1152	0.000000e+00	0.000000e+00	5900
1153	0.000000e+00	0.000000e+00	4600
1154	5.000000e-01	5.000000e-01	1300
1155	0.000000e+00	0.000000e+00	6100
1156	1.000000e-01	1.000000e-01	1400
1157	0.000000e+00	0.000000e+00	2800
1158	7.000000e-01	7.000000e-01	2200
1159	0.000000e+00	0.000000e+00	1500
1160	1.666667e-01	1.666667e-01	6300
1161	5.000000e-01	5.000000e-01	4800
1162	0.000000e+00	0.000000e+00	1100
1163	8.000000e-02	8.000000e-02	1300
1164	1.000000e+00	1.000000e+00	1800
1165	2.000000e-01	2.000000e-01	4300
1166	0.000000e+00	0.000000e+00	1200
1167	-4.000000e-01	4.000000e-01	8500
1168	0.000000e+00	0.000000e+00	776
1169	0.000000e+00	0.000000e+00	1200
1170	0.000000e+00	0.000000e+00	1600
1171	0.000000e+00	0.000000e+00	742
1172	2.000000e-01	2.000000e-01	469
1173	0.000000e+00	0.000000e+00	414
1174	3.000000e-01	3.000000e-01	2500
1175	0.000000e+00	0.000000e+00	1200
1176	0.000000e+00	0.000000e+00	1000
1177	3.500000e-01	3.500000e-01	1800
1178	-4.000000e-01	4.000000e-01	506
1179	5.000000e-01	5.000000e-01	8100
1180	0.000000e+00	0.000000e+00	2700
1181	0.000000e+00	0.000000e+00	2000
1182	5.000000e-01	5.000000e-01	590
1183	0.000000e+00	0.000000e+00	565

1184	-1.000000e+00	1.000000e+00	2400
1185	0.000000e+00	0.000000e+00	1400
1186	8.000000e-01	8.000000e-01	1100
1187	-1.555556e-01	1.555556e-01	1200
1188	0.000000e+00	0.000000e+00	4300
1189	2.000000e-01	2.000000e-01	3400
1190	0.000000e+00	0.000000e+00	3000
1191	2.500000e-01	2.500000e-01	357
1192	2.000000e-01	2.000000e-01	6700
1193	1.363636e-01	1.363636e-01	566
1194	0.000000e+00	0.000000e+00	1400
1195	-7.777778e-02	7.777778e-02	874
1196	0.000000e+00	0.000000e+00	2000
1197	-5.000000e-02	5.000000e-02	2800
1198	0.000000e+00	0.000000e+00	460
1199	0.000000e+00	0.000000e+00	2700
1200	5.000000e-01	5.000000e-01	1700
1201	2.500000e-01	2.500000e-01	3000
1202	-6.000000e-01	6.000000e-01	706
1203	1.666667e-01	1.666667e-01	583
1204	2.000000e-01	2.000000e-01	1300
1205	5.000000e-02	5.000000e-02	830
1206	1.363636e-01	1.363636e-01	2000
1207	0.000000e+00	0.000000e+00	7100
1208	-3.888889e-01	3.888889e-01	294
1209	-1.250000e-01	1.250000e-01	349
1210	0.000000e+00	0.000000e+00	4400
1211	0.000000e+00	0.000000e+00	507
1212	0.000000e+00	0.000000e+00	542
1213	1.363636e-01	1.363636e-01	2400
1214	1.000000e-01	1.000000e-01	688
1215	6.666667e-02	6.666667e-02	1900
1216	0.000000e+00	0.000000e+00	30200
1217	0.000000e+00	0.000000e+00	2000
1218	0.000000e+00	0.000000e+00	1300
1219	0.000000e+00	0.000000e+00	907
1220	0.000000e+00	0.000000e+00	3100
1221	0.000000e+00	0.000000e+00	804
1222	1.000000e+00	1.000000e+00	1200
1223	0.000000e+00	0.000000e+00	8700
1224	6.250000e-01	6.250000e-01	1900
1225	6.444444e-01	6.444444e-01	559
1226	0.000000e+00	0.000000e+00	3000
1227	-7.000000e-01	7.000000e-01	401
1228	5.000000e-01	5.000000e-01	4400
1229	3.333333e-02	3.333333e-02	1100
1230	4.333333e-01	4.333333e-01	2400
1231	0.000000e+00	0.000000e+00	1700
1232	1.666667e-01	1.666667e-01	953
1233	6.000000e-01	6.000000e-01	706
1234	0.000000e+00	0.000000e+00	469
1235	4.000000e-01	4.000000e-01	1900
1236	0.000000e+00	0.000000e+00	673
1237	0.000000e+00	0.000000e+00	672

1238	0.000000e+00	0.000000e+00	1200
1239	0.000000e+00	0.000000e+00	2400
1240	0.000000e+00	0.000000e+00	578
1241	1.000000e+00	1.000000e+00	1500
1242	0.000000e+00	0.000000e+00	1000
1243	0.000000e+00	0.000000e+00	1200
1244	3.333333e-01	3.333333e-01	16700
1245	3.800000e-01	3.800000e-01	1200
1246	2.000000e-01	2.000000e-01	4300
1247	0.000000e+00	0.000000e+00	441
1248	1.444444e-01	1.444444e-01	2100
1249	0.000000e+00	0.000000e+00	4800
1250	1.363636e-01	1.363636e-01	969
1251	1.000000e+00	1.000000e+00	6700
1252	0.000000e+00	0.000000e+00	1000
1253	1.000000e-01	1.000000e-01	1600
1254	0.000000e+00	0.000000e+00	577
1255	-2.000000e-01	2.000000e-01	510
1256	0.000000e+00	0.000000e+00	1200
1257	2.000000e-01	2.000000e-01	2700
1258	-1.250000e-01	1.250000e-01	790
1259	0.000000e+00	0.000000e+00	3200
1260	1.000000e-01	1.000000e-01	3100
1261	0.000000e+00	0.000000e+00	11400
1262	4.000000e-01	4.000000e-01	4400
1263	0.000000e+00	0.000000e+00	1500
1264	-1.785714e-02	1.785714e-02	769
1265	-2.500000e-01	2.500000e-01	1400
1266	2.444444e-01	2.444444e-01	2100
1267	0.000000e+00	0.000000e+00	825
1268	5.000000e-01	5.000000e-01	3000
1269	2.000000e-01	2.000000e-01	3000
1270	0.000000e+00	0.000000e+00	5000
1271	5.000000e-01	5.000000e-01	2100
1272	0.000000e+00	0.000000e+00	4100
1273	0.000000e+00	0.000000e+00	6300
1274	4.000000e-01	4.000000e-01	2700
1275	1.600000e-01	1.600000e-01	532
1276	2.500000e-01	2.500000e-01	559
1277	5.000000e-01	5.000000e-01	2700
1278	2.000000e-01	2.000000e-01	1300
1279	0.000000e+00	0.000000e+00	3100
1280	0.000000e+00	0.000000e+00	1500
1281	5.000000e-01	5.000000e-01	1100
1282	1.000000e+00	1.000000e+00	790
1283	0.000000e+00	0.000000e+00	3000
1284	-2.000000e-01	2.000000e-01	792
1285	0.000000e+00	0.000000e+00	467
1286	0.000000e+00	0.000000e+00	1900
1287	0.000000e+00	0.000000e+00	6000
1288	0.000000e+00	0.000000e+00	969
1289	-1.500000e-01	1.500000e-01	686
1290	2.500000e-01	2.500000e-01	3000
1291	0.000000e+00	0.000000e+00	1000

1292	5.000000e-01	5.000000e-01	990
1293	0.000000e+00	0.000000e+00	717
1294	0.000000e+00	0.000000e+00	2200
1295	4.000000e-01	4.000000e-01	1600
1296	-1.500000e-01	1.500000e-01	779
1297	1.363636e-01	1.363636e-01	11100
1298	1.363636e-01	1.363636e-01	1500
1299	0.000000e+00	0.000000e+00	1000
1300	0.000000e+00	0.000000e+00	803
1301	1.363636e-01	1.363636e-01	534
1302	6.818182e-02	6.818182e-02	980
1303	2.666667e-01	2.666667e-01	1100
1304	5.000000e-02	5.000000e-02	1600
1305	-1.250000e-01	1.250000e-01	1100
1306	5.000000e-01	5.000000e-01	2800
1307	0.000000e+00	0.000000e+00	2400
1308	2.500000e-01	2.500000e-01	1300
1309	2.681818e-01	2.681818e-01	1100
1310	0.000000e+00	0.000000e+00	1500
1311	-3.000000e-01	3.000000e-01	1200
1312	5.000000e-01	5.000000e-01	3400
1313	2.666667e-01	2.666667e-01	1000
1314	0.000000e+00	0.000000e+00	5200
1315	0.000000e+00	0.000000e+00	14400
1316	0.000000e+00	0.000000e+00	1100
1317	5.681818e-01	5.681818e-01	1600
1318	7.500000e-01	7.500000e-01	1800
1319	0.000000e+00	0.000000e+00	531
1320	3.333333e-02	3.333333e-02	6300
1321	0.000000e+00	0.000000e+00	691
1322	-1.888889e-01	1.888889e-01	1600
1323	-1.555556e-01	1.555556e-01	1200
1324	2.500000e-01	2.500000e-01	3400
1325	2.000000e-01	2.000000e-01	649
1326	0.000000e+00	0.000000e+00	3600
1327	1.000000e-01	1.000000e-01	2300
1328	0.000000e+00	0.000000e+00	2200
1329	-1.250000e-01	1.250000e-01	1500
1330	4.000000e-01	4.000000e-01	1400
1331	0.000000e+00	0.000000e+00	651
1332	0.000000e+00	0.000000e+00	853
1333	0.000000e+00	0.000000e+00	1500
1334	-1.666667e-01	1.666667e-01	436
1335	0.000000e+00	0.000000e+00	469
1336	2.500000e-01	2.500000e-01	3000
1337	1.363636e-01	1.363636e-01	1800
1338	2.500000e-01	2.500000e-01	10300
1339	6.000000e-01	6.000000e-01	1300
1340	0.000000e+00	0.000000e+00	659
1341	0.000000e+00	0.000000e+00	839
1342	0.000000e+00	0.000000e+00	2100
1343	0.000000e+00	0.000000e+00	2700
1344	0.000000e+00	0.000000e+00	1200
1345	4.583333e-01	4.583333e-01	3400

1346	0.000000e+00	0.000000e+00	1100
1347	0.000000e+00	0.000000e+00	2400
1348	-7.142857e-02	7.142857e-02	1600
1349	3.333333e-02	3.333333e-02	1100
1350	1.777778e-01	1.777778e-01	1800
1351	0.000000e+00	0.000000e+00	7900
1352	0.000000e+00	0.000000e+00	990
1353	0.000000e+00	0.000000e+00	1200
1354	0.000000e+00	0.000000e+00	998
1355	4.166667e-01	4.166667e-01	636
1356	0.000000e+00	0.000000e+00	1500
1357	0.000000e+00	0.000000e+00	1600
1358	0.000000e+00	0.000000e+00	2700
1359	0.000000e+00	0.000000e+00	1300
1360	0.000000e+00	0.000000e+00	2600
1361	0.000000e+00	0.000000e+00	707
1362	0.000000e+00	0.000000e+00	1200
1363	2.500000e-01	2.500000e-01	2000
1364	4.000000e-01	4.000000e-01	2400
1365	0.000000e+00	0.000000e+00	1200
1366	0.000000e+00	0.000000e+00	1700
1367	0.000000e+00	0.000000e+00	1300
1368	0.000000e+00	0.000000e+00	373
1369	3.000000e-01	3.000000e-01	935
1370	0.000000e+00	0.000000e+00	11900
1371	0.000000e+00	0.000000e+00	745
1372	-4.000000e-01	4.000000e-01	1400
1373	0.000000e+00	0.000000e+00	984
1374	5.000000e-01	5.000000e-01	912
1375	1.000000e-01	1.000000e-01	740
1376	1.666667e-01	1.666667e-01	1000
1377	4.333333e-01	4.333333e-01	1600
1378	-3.000000e-01	3.000000e-01	2300
1379	1.363636e-01	1.363636e-01	867
1380	0.000000e+00	0.000000e+00	1300
1381	-8.000000e-01	8.000000e-01	4300
1382	-5.000000e-01	5.000000e-01	1500
1383	1.250000e-01	1.250000e-01	3400
1384	0.000000e+00	0.000000e+00	1700
1385	0.000000e+00	0.000000e+00	2000
1386	0.000000e+00	0.000000e+00	2400
1387	0.000000e+00	0.000000e+00	2300
1388	0.000000e+00	0.000000e+00	758
1389	0.000000e+00	0.000000e+00	412
1390	3.333333e-01	3.333333e-01	909
1391	0.000000e+00	0.000000e+00	1200
1392	2.500000e-01	2.500000e-01	69100
1393	3.333333e-01	3.333333e-01	2500
1394	4.681818e-01	4.681818e-01	428
1395	0.000000e+00	0.000000e+00	1200
1396	0.000000e+00	0.000000e+00	884
1397	0.000000e+00	0.000000e+00	1500
1398	3.333333e-01	3.333333e-01	511
1399	0.000000e+00	0.000000e+00	1800

1400	8.000000e-01	8.000000e-01	3500
1401	0.000000e+00	0.000000e+00	1500
1402	2.750000e-01	2.750000e-01	435
1403	3.333333e-01	3.333333e-01	646
1404	1.833333e-01	1.833333e-01	1800
1405	0.000000e+00	0.000000e+00	2400
1406	−1.875000e-01	1.875000e-01	4500
1407	0.000000e+00	0.000000e+00	2300
1408	4.333333e-01	4.333333e-01	866
1409	0.000000e+00	0.000000e+00	5100
1410	−1.000000e+00	1.000000e+00	949
1411	0.000000e+00	0.000000e+00	849
1412	−3.333333e-01	3.333333e-01	1800
1413	1.000000e+00	1.000000e+00	16800
1414	3.750000e-01	3.750000e-01	478
1415	0.000000e+00	0.000000e+00	1800
1416	0.000000e+00	0.000000e+00	1500
1417	0.000000e+00	0.000000e+00	1800
1418	0.000000e+00	0.000000e+00	1000
1419	3.333333e-01	3.333333e-01	1600
1420	5.000000e-01	5.000000e-01	2200
1421	−8.000000e-01	8.000000e-01	1100
1422	0.000000e+00	0.000000e+00	998
1423	6.818182e-02	6.818182e-02	386
1424	5.000000e-01	5.000000e-01	1500
1425	−2.000000e-01	2.000000e-01	2400
1426	0.000000e+00	0.000000e+00	4100
1427	−1.250000e-01	1.250000e-01	440
1428	−8.000000e-01	8.000000e-01	3700
1429	−1.000000e-01	1.000000e-01	857
1430	2.500000e-01	2.500000e-01	593
1431	0.000000e+00	0.000000e+00	3200
1432	5.000000e-01	5.000000e-01	1000
1433	0.000000e+00	0.000000e+00	2800
1434	2.500000e-01	2.500000e-01	849
1435	5.000000e-01	5.000000e-01	1100
1436	5.000000e-01	5.000000e-01	1700
1437	0.000000e+00	0.000000e+00	340
1438	0.000000e+00	0.000000e+00	1300
1439	0.000000e+00	0.000000e+00	907
1440	0.000000e+00	0.000000e+00	687
1441	−2.500000e-01	2.500000e-01	1900
1442	−1.875000e-01	1.875000e-01	1100
1443	1.363636e-01	1.363636e-01	422
1444	0.000000e+00	0.000000e+00	2100
1445	5.000000e-02	5.000000e-02	1000
1446	2.666667e-01	2.666667e-01	886
1447	0.000000e+00	0.000000e+00	1900
1448	2.500000e-01	2.500000e-01	2700
1449	−1.250000e-01	1.250000e-01	1100
1450	0.000000e+00	0.000000e+00	1800
1451	0.000000e+00	0.000000e+00	3000
1452	7.500000e-01	7.500000e-01	397
1453	−2.000000e-01	2.000000e-01	380

1454	1.000000e-01	1.000000e-01	1700
1455	6.666667e-02	6.666667e-02	2100
1456	1.500000e-01	1.500000e-01	1700
1457	-4.000000e-01	4.000000e-01	1000
1458	0.000000e+00	0.000000e+00	693
1459	6.818182e-02	6.818182e-02	1100
1460	0.000000e+00	0.000000e+00	3100
1461	4.166667e-01	4.166667e-01	1800
1462	0.000000e+00	0.000000e+00	3100
1463	0.000000e+00	0.000000e+00	3500
1464	3.333333e-01	3.333333e-01	2000
1465	0.000000e+00	0.000000e+00	2300
1466	3.111111e-01	3.111111e-01	1600
1467	5.000000e-01	5.000000e-01	2500
1468	3.333333e-01	3.333333e-01	1200
1469	6.666667e-01	6.666667e-01	2100
1470	3.333333e-01	3.333333e-01	3500
1471	0.000000e+00	0.000000e+00	6700
1472	0.000000e+00	0.000000e+00	919
1473	0.000000e+00	0.000000e+00	488
1474	0.000000e+00	0.000000e+00	790
1475	-4.000000e-01	4.000000e-01	1000
1476	0.000000e+00	0.000000e+00	853
1477	0.000000e+00	0.000000e+00	16500
1478	0.000000e+00	0.000000e+00	1400
1479	0.000000e+00	0.000000e+00	825
1480	5.000000e-01	5.000000e-01	1000
1481	0.000000e+00	0.000000e+00	657
1482	0.000000e+00	0.000000e+00	594
1483	0.000000e+00	0.000000e+00	676
1484	2.000000e-01	2.000000e-01	991
1485	1.666667e-01	1.666667e-01	1100
1486	0.000000e+00	0.000000e+00	1100
1487	1.666667e-02	1.666667e-02	444
1488	5.000000e-01	5.000000e-01	1100
1489	0.000000e+00	0.000000e+00	2800
1490	0.000000e+00	0.000000e+00	3800
1491	1.666667e-01	1.666667e-01	2100
1492	3.333333e-01	3.333333e-01	728
1493	0.000000e+00	0.000000e+00	828
1494	3.333333e-01	3.333333e-01	1600
1495	6.666667e-01	6.666667e-01	16500
1496	0.000000e+00	0.000000e+00	1600
1497	5.000000e-01	5.000000e-01	3400
1498	5.000000e-01	5.000000e-01	1400
1499	0.000000e+00	0.000000e+00	807
1500	0.000000e+00	0.000000e+00	4300
1501	0.000000e+00	0.000000e+00	1500
1502	0.000000e+00	0.000000e+00	326
1503	4.166667e-01	4.166667e-01	1200
1504	-1.000000e-01	1.000000e-01	7000
1505	7.500000e-01	7.500000e-01	606
1506	0.000000e+00	0.000000e+00	683
1507	2.500000e-01	2.500000e-01	1300

1508	5.000000e-01	5.000000e-01	1200
1509	0.000000e+00	0.000000e+00	40100
1510	0.000000e+00	0.000000e+00	3900
1511	2.833333e-01	2.833333e-01	1200
1512	0.000000e+00	0.000000e+00	1200
1513	0.000000e+00	0.000000e+00	1500
1514	5.000000e-01	5.000000e-01	3400
1515	0.000000e+00	0.000000e+00	2400
1516	2.323232e-02	2.323232e-02	518
1517	5.000000e-01	5.000000e-01	3400
1518	0.000000e+00	0.000000e+00	460
1519	2.348485e-01	2.348485e-01	1100
1520	5.000000e-01	5.000000e-01	1900
1521	5.000000e-01	5.000000e-01	1600
1522	1.666667e-01	1.666667e-01	835
1523	0.000000e+00	0.000000e+00	1700
1524	0.000000e+00	0.000000e+00	900
1525	0.000000e+00	0.000000e+00	1200
1526	0.000000e+00	0.000000e+00	676
1527	3.333333e-01	3.333333e-01	681
1528	8.000000e-01	8.000000e-01	5400
1529	0.000000e+00	0.000000e+00	1900
1530	5.000000e-01	5.000000e-01	4400
1531	0.000000e+00	0.000000e+00	1700
1532	0.000000e+00	0.000000e+00	1800
1533	3.333333e-01	3.333333e-01	4400
1534	3.333333e-01	3.333333e-01	832
1535	−3.333333e-02	3.333333e-02	4200
1536	5.666667e-01	5.666667e-01	1000
1537	0.000000e+00	0.000000e+00	546
1538	0.000000e+00	0.000000e+00	17300
1539	1.000000e+00	1.000000e+00	2400
1540	3.571429e-01	3.571429e-01	1500
1541	1.000000e-01	1.000000e-01	765
1542	0.000000e+00	0.000000e+00	12900
1543	0.000000e+00	0.000000e+00	805
1544	0.000000e+00	0.000000e+00	3200
1545	1.363636e-01	1.363636e-01	2000
1546	4.000000e-01	4.000000e-01	3400
1547	0.000000e+00	0.000000e+00	2300
1548	0.000000e+00	0.000000e+00	4100
1549	0.000000e+00	0.000000e+00	2500
1550	0.000000e+00	0.000000e+00	1600
1551	3.333333e-01	3.333333e-01	1400
1552	0.000000e+00	0.000000e+00	2000
1553	1.600000e-01	1.600000e-01	4500
1554	0.000000e+00	0.000000e+00	3300
1555	7.000000e-01	7.000000e-01	2700
1556	0.000000e+00	0.000000e+00	3100
1557	3.333333e-01	3.333333e-01	1100
1558	3.500000e-01	3.500000e-01	1700
1559	5.000000e-01	5.000000e-01	7400
1560	3.333333e-01	3.333333e-01	1300
1561	0.000000e+00	0.000000e+00	697

1562	0.000000e+00	0.000000e+00	1300
1563	0.000000e+00	0.000000e+00	1200
1564	3.333333e-01	3.333333e-01	1200
1565	0.000000e+00	0.000000e+00	1100
1566	5.000000e-01	5.000000e-01	1100
1567	5.000000e-01	5.000000e-01	2100
1568	3.333333e-02	3.333333e-02	649
1569	3.333333e-01	3.333333e-01	681
1570	0.000000e+00	0.000000e+00	1100
1571	0.000000e+00	0.000000e+00	1300
1572	3.333333e-01	3.333333e-01	1300
1573	3.333333e-01	3.333333e-01	655
1574	3.333333e-01	3.333333e-01	1600
1575	3.333333e-01	3.333333e-01	2000
1576	1.666667e-01	1.666667e-01	5100
1577	3.333333e-01	3.333333e-01	5500
1578	3.333333e-01	3.333333e-01	9700
1579	1.466667e-01	1.466667e-01	786
1580	2.500000e-01	2.500000e-01	1900
1581	-1.750000e-01	1.750000e-01	8900
1582	0.000000e+00	0.000000e+00	1500
1583	0.000000e+00	0.000000e+00	2000
1584	3.333333e-01	3.333333e-01	536
1585	3.333333e-01	3.333333e-01	550
1586	3.333333e-01	3.333333e-01	1200
1587	0.000000e+00	0.000000e+00	4500
1588	1.363636e-01	1.363636e-01	1600
1589	3.333333e-01	3.333333e-01	1900
1590	3.333333e-01	3.333333e-01	2500
1591	0.000000e+00	0.000000e+00	498
1592	3.333333e-01	3.333333e-01	10900
1593	3.333333e-01	3.333333e-01	1700
1594	2.348485e-01	2.348485e-01	1500
1595	1.363636e-01	1.363636e-01	820
1596	1.833333e-01	1.833333e-01	1300
1597	3.333333e-01	3.333333e-01	2000
1598	3.333333e-01	3.333333e-01	900
1599	2.348485e-01	2.348485e-01	1100
1600	9.000000e-01	9.000000e-01	1800
1601	0.000000e+00	0.000000e+00	4000
1602	1.875000e-01	1.875000e-01	1600
1603	0.000000e+00	0.000000e+00	2100
1604	-2.638889e-01	2.638889e-01	992
1605	0.000000e+00	0.000000e+00	886
1606	0.000000e+00	0.000000e+00	1200
1607	4.000000e-01	4.000000e-01	623
1608	1.666667e-01	1.666667e-01	760
1609	-4.166667e-02	4.166667e-02	963
1610	0.000000e+00	0.000000e+00	710
1611	3.333333e-01	3.333333e-01	1900
1612	-8.333333e-02	8.333333e-02	1300
1613	-5.555556e-02	5.555556e-02	2000
1614	0.000000e+00	0.000000e+00	2500
1615	1.888889e-01	1.888889e-01	9200

1616	4.166667e-02	4.166667e-02	2100
1617	1.666667e-01	1.666667e-01	874
1618	0.000000e+00	0.000000e+00	2100
1619	5.000000e-01	5.000000e-01	1100
1620	5.000000e-02	5.000000e-02	1700
1621	0.000000e+00	0.000000e+00	2300
1622	-3.333333e-02	3.333333e-02	2600
1623	0.000000e+00	0.000000e+00	4200
1624	-2.000000e-01	2.000000e-01	644
1625	4.166667e-01	4.166667e-01	909
1626	1.363636e-01	1.363636e-01	3900
1627	5.166667e-01	5.166667e-01	1300
1628	0.000000e+00	0.000000e+00	7400
1629	2.333333e-01	2.333333e-01	3300
1630	2.500000e-01	2.500000e-01	1700
1631	3.333333e-01	3.333333e-01	3400
1632	0.000000e+00	0.000000e+00	1200
1633	5.000000e-01	5.000000e-01	1400
1634	3.333333e-01	3.333333e-01	916
1635	-9.375000e-02	9.375000e-02	4100
1636	-5.000000e-02	5.000000e-02	912
1637	6.250000e-02	6.250000e-02	691
1638	5.000000e-01	5.000000e-01	601
1639	2.500000e-01	2.500000e-01	933
1640	0.000000e+00	0.000000e+00	1200
1641	-4.000000e-01	4.000000e-01	609
1642	-2.500000e-01	2.500000e-01	1100
1643	0.000000e+00	0.000000e+00	2200
1644	2.333333e-01	2.333333e-01	6900
1645	0.000000e+00	0.000000e+00	4500
1646	1.600000e-01	1.600000e-01	1900
1647	2.000000e-01	2.000000e-01	1700
1648	1.363636e-01	1.363636e-01	742
1649	5.000000e-01	5.000000e-01	550
1650	2.500000e-01	2.500000e-01	5800
1651	3.333333e-01	3.333333e-01	594
1652	3.333333e-01	3.333333e-01	4800
1653	3.333333e-01	3.333333e-01	2100
1654	2.055556e-01	2.055556e-01	2100
1655	3.333333e-01	3.333333e-01	2100
1656	3.333333e-01	3.333333e-01	6500
1657	0.000000e+00	0.000000e+00	2100
1658	0.000000e+00	0.000000e+00	527
1659	3.333333e-01	3.333333e-01	2300
1660	8.333333e-02	8.333333e-02	1600
1661	0.000000e+00	0.000000e+00	9400
1662	5.000000e-01	5.000000e-01	4700
1663	0.000000e+00	0.000000e+00	1100
1664	-2.000000e-01	2.000000e-01	1600
1665	0.000000e+00	0.000000e+00	3800
1666	-5.000000e-01	5.000000e-01	3900
1667	3.666667e-01	3.666667e-01	1300
1668	0.000000e+00	0.000000e+00	1400
1669	0.000000e+00	0.000000e+00	1500

1670	0.000000e+00	0.000000e+00	1300
1671	3.409091e-02	3.409091e-02	3900
1672	4.428571e-01	4.428571e-01	6000
1673	-1.000000e-01	1.000000e-01	2600
1674	0.000000e+00	0.000000e+00	1200
1675	0.000000e+00	0.000000e+00	564
1676	1.363636e-01	1.363636e-01	1500
1677	0.000000e+00	0.000000e+00	895
1678	0.000000e+00	0.000000e+00	494
1679	5.000000e-01	5.000000e-01	496
1680	2.500000e-01	2.500000e-01	2400
1681	0.000000e+00	0.000000e+00	1900
1682	0.000000e+00	0.000000e+00	544
1683	0.000000e+00	0.000000e+00	1700
1684	0.000000e+00	0.000000e+00	1600
1685	9.523810e-03	9.523810e-03	1400
1686	-5.000000e-01	5.000000e-01	1200
1687	6.666667e-02	6.666667e-02	8700
1688	1.363636e-01	1.363636e-01	527
1689	4.000000e-01	4.000000e-01	1800
1690	2.000000e-01	2.000000e-01	828
1691	5.000000e-01	5.000000e-01	6000
1692	4.000000e-01	4.000000e-01	1100
1693	6.818182e-02	6.818182e-02	2400
1694	2.142857e-01	2.142857e-01	1100
1695	0.000000e+00	0.000000e+00	3300
1696	0.000000e+00	0.000000e+00	401
1697	2.500000e-01	2.500000e-01	456
1698	0.000000e+00	0.000000e+00	3300
1699	2.500000e-01	2.500000e-01	2800
1700	3.333333e-01	3.333333e-01	4200
1701	0.000000e+00	0.000000e+00	2300
1702	4.181818e-01	4.181818e-01	2500
1703	0.000000e+00	0.000000e+00	583
1704	8.000000e-01	8.000000e-01	2100
1705	3.200000e-01	3.200000e-01	482
1706	3.333333e-02	3.333333e-02	857
1707	4.333333e-01	4.333333e-01	2000
1708	0.000000e+00	0.000000e+00	4600
1709	1.000000e-01	1.000000e-01	1100
1710	3.333333e-01	3.333333e-01	571
1711	0.000000e+00	0.000000e+00	419
1712	0.000000e+00	0.000000e+00	7100
1713	1.750000e-01	1.750000e-01	4300
1714	6.000000e-01	6.000000e-01	2100
1715	0.000000e+00	0.000000e+00	2200
1716	2.164502e-02	2.164502e-02	1100
1717	0.000000e+00	0.000000e+00	4300
1718	5.681818e-03	5.681818e-03	914
1719	0.000000e+00	0.000000e+00	1300
1720	-3.125000e-01	3.125000e-01	1700
1721	3.333333e-01	3.333333e-01	1500
1722	3.333333e-01	3.333333e-01	1800
1723	2.500000e-01	2.500000e-01	2500

1724	0.000000e+00	0.000000e+00	1500
1725	1.363636e-01	1.363636e-01	1300
1726	-2.000000e-01	2.000000e-01	1900
1727	-1.190476e-01	1.190476e-01	2000
1728	1.000000e+00	1.000000e+00	502
1729	1.000000e-01	1.000000e-01	823
1730	-6.000000e-01	6.000000e-01	8200
1731	5.000000e-01	5.000000e-01	761
1732	0.000000e+00	0.000000e+00	1700
1733	2.787879e-01	2.787879e-01	1500
1734	0.000000e+00	0.000000e+00	889
1735	5.000000e-01	5.000000e-01	701
1736	1.500000e-01	1.500000e-01	1600
1737	0.000000e+00	0.000000e+00	1800
1738	0.000000e+00	0.000000e+00	529
1739	1.750000e-01	1.750000e-01	821
1740	0.000000e+00	0.000000e+00	9100
1741	0.000000e+00	0.000000e+00	1300
1742	2.666667e-01	2.666667e-01	1800
1743	2.348485e-01	2.348485e-01	954
1744	5.000000e-01	5.000000e-01	3600
1745	-6.111111e-02	6.111111e-02	1200
1746	5.000000e-01	5.000000e-01	696
1747	0.000000e+00	0.000000e+00	1700
1748	-1.000000e-01	1.000000e-01	1000
1749	2.500000e-01	2.500000e-01	2000
1750	1.666667e-01	1.666667e-01	1300
1751	0.000000e+00	0.000000e+00	831
1752	0.000000e+00	0.000000e+00	318
1753	0.000000e+00	0.000000e+00	2000
1754	0.000000e+00	0.000000e+00	3900
1755	2.166667e-01	2.166667e-01	8300
1756	0.000000e+00	0.000000e+00	1500
1757	1.250000e-01	1.250000e-01	1400
1758	3.333333e-01	3.333333e-01	757
1759	0.000000e+00	0.000000e+00	1000
1760	1.000000e+00	1.000000e+00	1500
1761	0.000000e+00	0.000000e+00	1200
1762	1.000000e+00	1.000000e+00	1700
1763	0.000000e+00	0.000000e+00	795
1764	0.000000e+00	0.000000e+00	712
1765	0.000000e+00	0.000000e+00	1200
1766	5.000000e-02	5.000000e-02	4200
1767	0.000000e+00	0.000000e+00	2800
1768	-4.000000e-01	4.000000e-01	1600
1769	0.000000e+00	0.000000e+00	2600
1770	1.363636e-01	1.363636e-01	1700
1771	2.000000e-01	2.000000e-01	18100
1772	0.000000e+00	0.000000e+00	504
1773	3.333333e-02	3.333333e-02	475
1774	0.000000e+00	0.000000e+00	2100
1775	0.000000e+00	0.000000e+00	1700
1776	0.000000e+00	0.000000e+00	956
1777	0.000000e+00	0.000000e+00	399

1778	0.000000e+00	0.000000e+00	3400
1779	0.000000e+00	0.000000e+00	2400
1780	0.000000e+00	0.000000e+00	1300
1781	5.000000e-01	5.000000e-01	1900
1782	2.166667e-01	2.166667e-01	1600
1783	-5.000000e-01	5.000000e-01	1100
1784	1.125000e-01	1.125000e-01	1000
1785	1.363636e-01	1.363636e-01	2300
1786	1.666667e-02	1.666667e-02	2800
1787	-5.000000e-01	5.000000e-01	3200
1788	0.000000e+00	0.000000e+00	1600
1789	0.000000e+00	0.000000e+00	4400
1790	0.000000e+00	0.000000e+00	8500
1791	0.000000e+00	0.000000e+00	2600
1792	1.363636e-01	1.363636e-01	710
1793	0.000000e+00	0.000000e+00	348
1794	0.000000e+00	0.000000e+00	1000
1795	0.000000e+00	0.000000e+00	6500
1796	1.363636e-01	1.363636e-01	6900
1797	0.000000e+00	0.000000e+00	1000
1798	0.000000e+00	0.000000e+00	766
1799	8.666667e-02	8.666667e-02	797
1800	0.000000e+00	0.000000e+00	1100
1801	0.000000e+00	0.000000e+00	992
1802	-1.875000e-01	1.875000e-01	3900
1803	9.000000e-01	9.000000e-01	1900
1804	0.000000e+00	0.000000e+00	2100
1805	0.000000e+00	0.000000e+00	759
1806	0.000000e+00	0.000000e+00	2000
1807	-1.000000e-01	1.000000e-01	1400
1808	0.000000e+00	0.000000e+00	2200
1809	3.333333e-02	3.333333e-02	10700
1810	6.818182e-02	6.818182e-02	3400
1811	2.500000e-01	2.500000e-01	1400
1812	2.500000e-01	2.500000e-01	4700
1813	0.000000e+00	0.000000e+00	742
1814	1.000000e-01	1.000000e-01	7700
1815	0.000000e+00	0.000000e+00	1300
1816	-5.000000e-01	5.000000e-01	4500
1817	-6.000000e-01	6.000000e-01	2700
1818	0.000000e+00	0.000000e+00	3200
1819	0.000000e+00	0.000000e+00	1900
1820	0.000000e+00	0.000000e+00	1400
1821	0.000000e+00	0.000000e+00	2900
1822	2.000000e-01	2.000000e-01	1100
1823	1.000000e+00	1.000000e+00	13900
1824	0.000000e+00	0.000000e+00	14400
1825	0.000000e+00	0.000000e+00	1600
1826	0.000000e+00	0.000000e+00	850
1827	-1.500000e-01	1.500000e-01	1800
1828	0.000000e+00	0.000000e+00	1400
1829	-1.000000e-01	1.000000e-01	1000
1830	0.000000e+00	0.000000e+00	3100
1831	-1.250000e-01	1.250000e-01	1100

1832	0.000000e+00	0.000000e+00	5300
1833	-3.000000e-01	3.000000e-01	710
1834	0.000000e+00	0.000000e+00	1700
1835	0.000000e+00	0.000000e+00	18400
1836	0.000000e+00	0.000000e+00	2100
1837	0.000000e+00	0.000000e+00	1200
1838	0.000000e+00	0.000000e+00	855
1839	1.777778e-01	1.777778e-01	2000
1840	0.000000e+00	0.000000e+00	4800
1841	3.000000e-01	3.000000e-01	4400
1842	-2.000000e-01	2.000000e-01	3400
1843	0.000000e+00	0.000000e+00	643
1844	1.363636e-01	1.363636e-01	1600
1845	0.000000e+00	0.000000e+00	1500
1846	4.000000e-01	4.000000e-01	11000
1847	0.000000e+00	0.000000e+00	1000
1848	2.500000e-01	2.500000e-01	881
1849	3.000000e-01	3.000000e-01	2400
1850	0.000000e+00	0.000000e+00	635
1851	0.000000e+00	0.000000e+00	1300
1852	0.000000e+00	0.000000e+00	574
1853	0.000000e+00	0.000000e+00	1700
1854	4.500000e-01	4.500000e-01	1300
1855	0.000000e+00	0.000000e+00	7000
1856	0.000000e+00	0.000000e+00	983
1857	1.363636e-01	1.363636e-01	544
1858	0.000000e+00	0.000000e+00	1400
1859	0.000000e+00	0.000000e+00	957
1860	-7.000000e-01	7.000000e-01	366
1861	3.750000e-01	3.750000e-01	2500
1862	0.000000e+00	0.000000e+00	2500
1863	-5.000000e-01	5.000000e-01	434
1864	0.000000e+00	0.000000e+00	1400
1865	-1.318182e-01	1.318182e-01	1400
1866	6.818182e-02	6.818182e-02	632
1867	0.000000e+00	0.000000e+00	886
1868	0.000000e+00	0.000000e+00	2300
1869	0.000000e+00	0.000000e+00	303
1870	4.166667e-01	4.166667e-01	790
1871	-4.000000e-01	4.000000e-01	3200
1872	0.000000e+00	0.000000e+00	3300
1873	0.000000e+00	0.000000e+00	951
1874	0.000000e+00	0.000000e+00	1200
1875	0.000000e+00	0.000000e+00	827
1876	0.000000e+00	0.000000e+00	2200
1877	1.363636e-01	1.363636e-01	424
1878	0.000000e+00	0.000000e+00	356
1879	3.875000e-01	3.875000e-01	919
1880	0.000000e+00	0.000000e+00	4300
1881	1.166667e-01	1.166667e-01	2300
1882	2.500000e-01	2.500000e-01	41600
1883	4.250000e-01	4.250000e-01	30400
1884	0.000000e+00	0.000000e+00	2200
1885	1.000000e-01	1.000000e-01	2700

1886	2.500000e-01	2.500000e-01	2800
1887	0.000000e+00	0.000000e+00	3900
1888	0.000000e+00	0.000000e+00	984
1889	5.500000e-01	5.500000e-01	1400
1890	0.000000e+00	0.000000e+00	1100
1891	1.250000e-01	1.250000e-01	1500
1892	0.000000e+00	0.000000e+00	967
1893	-1.250000e-01	1.250000e-01	989
1894	0.000000e+00	0.000000e+00	1100
1895	0.000000e+00	0.000000e+00	3500
1896	2.500000e-01	2.500000e-01	523
1897	3.333333e-02	3.333333e-02	6600
1898	-6.000000e-01	6.000000e-01	2100
1899	0.000000e+00	0.000000e+00	1300
1900	0.000000e+00	0.000000e+00	4900
1901	2.500000e-01	2.500000e-01	3600
1902	2.500000e-01	2.500000e-01	1600
1903	0.000000e+00	0.000000e+00	2000
1904	0.000000e+00	0.000000e+00	1600
1905	3.500000e-01	3.500000e-01	654
1906	0.000000e+00	0.000000e+00	1300
1907	0.000000e+00	0.000000e+00	3800
1908	0.000000e+00	0.000000e+00	1800
1909	0.000000e+00	0.000000e+00	2300
1910	0.000000e+00	0.000000e+00	1500
1911	0.000000e+00	0.000000e+00	1100
1912	0.000000e+00	0.000000e+00	2000
1913	1.000000e-01	1.000000e-01	1400
1914	0.000000e+00	0.000000e+00	589
1915	-1.250000e-01	1.250000e-01	430
1916	0.000000e+00	0.000000e+00	4500
1917	3.681818e-01	3.681818e-01	4600
1918	0.000000e+00	0.000000e+00	633
1919	0.000000e+00	0.000000e+00	2100
1920	0.000000e+00	0.000000e+00	4000
1921	-1.818182e-01	1.818182e-01	1500
1922	0.000000e+00	0.000000e+00	1300
1923	1.363636e-01	1.363636e-01	1100
1924	0.000000e+00	0.000000e+00	655
1925	0.000000e+00	0.000000e+00	2600
1926	0.000000e+00	0.000000e+00	589
1927	0.000000e+00	0.000000e+00	1100
1928	0.000000e+00	0.000000e+00	6600
1929	1.000000e+00	1.000000e+00	790
1930	1.666667e-01	1.666667e-01	1100
1931	0.000000e+00	0.000000e+00	1500
1932	0.000000e+00	0.000000e+00	773
1933	1.000000e+00	1.000000e+00	642
1934	1.000000e-01	1.000000e-01	3200
1935	2.533333e-01	2.533333e-01	3600
1936	2.500000e-01	2.500000e-01	13600
1937	0.000000e+00	0.000000e+00	1900
1938	0.000000e+00	0.000000e+00	1300
1939	1.875000e-01	1.875000e-01	399

1940	5.000000e-01	5.000000e-01	2200
1941	0.000000e+00	0.000000e+00	2600
1942	0.000000e+00	0.000000e+00	3500
1943	0.000000e+00	0.000000e+00	7300
1944	0.000000e+00	0.000000e+00	1600
1945	3.333333e-02	3.333333e-02	4500
1946	0.000000e+00	0.000000e+00	1900
1947	0.000000e+00	0.000000e+00	2600
1948	0.000000e+00	0.000000e+00	1600
1949	2.000000e-01	2.000000e-01	4500
1950	0.000000e+00	0.000000e+00	1400
1951	0.000000e+00	0.000000e+00	1400
1952	0.000000e+00	0.000000e+00	533
1953	0.000000e+00	0.000000e+00	1400
1954	0.000000e+00	0.000000e+00	2100
1955	0.000000e+00	0.000000e+00	5900
1956	0.000000e+00	0.000000e+00	1800
1957	0.000000e+00	0.000000e+00	3200
1958	2.500000e-01	2.500000e-01	1400
1959	0.000000e+00	0.000000e+00	1400
1960	-1.500000e-01	1.500000e-01	4100
1961	0.000000e+00	0.000000e+00	2400
1962	3.000000e-01	3.000000e-01	1200
1963	0.000000e+00	0.000000e+00	7300
1964	0.000000e+00	0.000000e+00	3800
1965	0.000000e+00	0.000000e+00	1800
1966	0.000000e+00	0.000000e+00	785
1967	4.931818e-01	4.931818e-01	4500
1968	1.250000e-01	1.250000e-01	6600
1969	4.931818e-01	4.931818e-01	1200
1970	3.333333e-02	3.333333e-02	5200
1971	0.000000e+00	0.000000e+00	1300
1972	0.000000e+00	0.000000e+00	5400
1973	5.000000e-01	5.000000e-01	10800
1974	6.000000e-01	6.000000e-01	7600
1975	0.000000e+00	0.000000e+00	1900
1976	4.000000e-01	4.000000e-01	898
1977	2.142857e-01	2.142857e-01	12300
1978	2.142857e-01	2.142857e-01	2600
1979	5.000000e-01	5.000000e-01	1200
1980	0.000000e+00	0.000000e+00	2900
1981	0.000000e+00	0.000000e+00	2600
1982	0.000000e+00	0.000000e+00	6800
1983	-4.000000e-01	4.000000e-01	1400
1984	5.000000e-01	5.000000e-01	1900
1985	0.000000e+00	0.000000e+00	1000
1986	3.333333e-02	3.333333e-02	5500
1987	0.000000e+00	0.000000e+00	16600
1988	0.000000e+00	0.000000e+00	6100
1989	4.000000e-01	4.000000e-01	1800
1990	0.000000e+00	0.000000e+00	1700
1991	0.000000e+00	0.000000e+00	2900
1992	2.000000e-01	2.000000e-01	1500
1993	3.000000e-01	3.000000e-01	3700

1994	5.000000e-01	5.000000e-01	1500
1995	0.000000e+00	0.000000e+00	2200
1996	0.000000e+00	0.000000e+00	3000
1997	1.000000e+00	1.000000e+00	3700
1998	5.000000e-01	5.000000e-01	851
1999	6.666667e-02	6.666667e-02	902
2000	0.000000e+00	0.000000e+00	991
2001	0.000000e+00	0.000000e+00	2200
2002	-2.750000e-01	2.750000e-01	2800
2003	-1.000000e+00	1.000000e+00	825
2004	0.000000e+00	0.000000e+00	1100
2005	0.000000e+00	0.000000e+00	736
2006	0.000000e+00	0.000000e+00	4200
2007	0.000000e+00	0.000000e+00	2900
2008	-1.250000e-01	1.250000e-01	1400
2009	0.000000e+00	0.000000e+00	2000
2010	1.363636e-01	1.363636e-01	382
2011	0.000000e+00	0.000000e+00	1200
2012	0.000000e+00	0.000000e+00	1200
2013	4.000000e-01	4.000000e-01	2200
2014	0.000000e+00	0.000000e+00	1000
2015	8.500000e-01	8.500000e-01	13000
2016	5.000000e-01	5.000000e-01	1200
2017	1.363636e-01	1.363636e-01	1000
2018	-5.555556e-02	5.555556e-02	3700
2019	0.000000e+00	0.000000e+00	1700
2020	0.000000e+00	0.000000e+00	1500
2021	0.000000e+00	0.000000e+00	2100
2022	0.000000e+00	0.000000e+00	2100
2023	3.333333e-01	3.333333e-01	9300
2024	0.000000e+00	0.000000e+00	1800
2025	0.000000e+00	0.000000e+00	1200
2026	0.000000e+00	0.000000e+00	6400
2027	2.500000e-01	2.500000e-01	1500
2028	0.000000e+00	0.000000e+00	1000
2029	-4.000000e-01	4.000000e-01	979
2030	1.363636e-01	1.363636e-01	1700
2031	2.500000e-01	2.500000e-01	1300
2032	0.000000e+00	0.000000e+00	1300
2033	0.000000e+00	0.000000e+00	12800
2034	0.000000e+00	0.000000e+00	720
2035	0.000000e+00	0.000000e+00	640
2036	5.000000e-01	5.000000e-01	1800
2037	5.000000e-01	5.000000e-01	27400
2038	1.600000e-01	1.600000e-01	2100
2039	0.000000e+00	0.000000e+00	11900
2040	1.363636e-01	1.363636e-01	1100
2041	3.250000e-01	3.250000e-01	1700
2042	2.000000e-01	2.000000e-01	1400
2043	1.363636e-01	1.363636e-01	658
2044	4.166667e-01	4.166667e-01	484
2045	0.000000e+00	0.000000e+00	1300
2046	1.363636e-01	1.363636e-01	3200
2047	5.000000e-01	5.000000e-01	1200

2048	3.750000e-01	3.750000e-01	946
2049	1.250000e-01	1.250000e-01	737
2050	0.000000e+00	0.000000e+00	3800
2051	1.363636e-01	1.363636e-01	1400
2052	0.000000e+00	0.000000e+00	1900
2053	0.000000e+00	0.000000e+00	1000
2054	0.000000e+00	0.000000e+00	1100
2055	0.000000e+00	0.000000e+00	5800
2056	0.000000e+00	0.000000e+00	1200
2057	5.000000e-01	5.000000e-01	6100
2058	0.000000e+00	0.000000e+00	2800
2059	1.000000e-01	1.000000e-01	1200
2060	0.000000e+00	0.000000e+00	1500
2061	0.000000e+00	0.000000e+00	811
2062	0.000000e+00	0.000000e+00	463
2063	-8.333333e-02	8.333333e-02	2000
2064	-2.000000e-01	2.000000e-01	791
2065	0.000000e+00	0.000000e+00	1100
2066	3.333333e-01	3.333333e-01	13500
2067	3.333333e-01	3.333333e-01	572
2068	0.000000e+00	0.000000e+00	9700
2069	-1.818182e-01	1.818182e-01	1400
2070	5.000000e-01	5.000000e-01	2100
2071	0.000000e+00	0.000000e+00	726
2072	0.000000e+00	0.000000e+00	1200
2073	-1.000000e+00	1.000000e+00	1000
2074	-3.750000e-02	3.750000e-02	992
2075	-4.000000e-01	4.000000e-01	768
2076	-5.000000e-01	5.000000e-01	1400
2077	0.000000e+00	0.000000e+00	4800
2078	0.000000e+00	0.000000e+00	1000
2079	0.000000e+00	0.000000e+00	3300
2080	2.333333e-01	2.333333e-01	717
2081	-7.000000e-01	7.000000e-01	1500
2082	0.000000e+00	0.000000e+00	3400
2083	7.000000e-01	7.000000e-01	1800
2084	0.000000e+00	0.000000e+00	589
2085	0.000000e+00	0.000000e+00	5300
2086	-1.250000e-01	1.250000e-01	1100
2087	2.954545e-01	2.954545e-01	419
2088	0.000000e+00	0.000000e+00	700
2089	1.000000e+00	1.000000e+00	983
2090	1.363636e-01	1.363636e-01	522
2091	0.000000e+00	0.000000e+00	671
2092	2.500000e-01	2.500000e-01	2700
2093	0.000000e+00	0.000000e+00	1000
2094	2.000000e-01	2.000000e-01	1100
2095	-3.333333e-01	3.333333e-01	1000
2096	0.000000e+00	0.000000e+00	505
2097	0.000000e+00	0.000000e+00	676
2098	0.000000e+00	0.000000e+00	3200
2099	0.000000e+00	0.000000e+00	914
2100	0.000000e+00	0.000000e+00	1800
2101	0.000000e+00	0.000000e+00	1700

2102	0.000000e+00	0.000000e+00	949
2103	0.000000e+00	0.000000e+00	597
2104	0.000000e+00	0.000000e+00	1300
2105	0.000000e+00	0.000000e+00	1700
2106	1.383117e-01	1.383117e-01	1500
2107	5.333333e-01	5.333333e-01	16600
2108	0.000000e+00	0.000000e+00	515
2109	0.000000e+00	0.000000e+00	744
2110	2.500000e-01	2.500000e-01	2400
2111	0.000000e+00	0.000000e+00	412
2112	3.750000e-01	3.750000e-01	762
2113	4.619048e-01	4.619048e-01	696
2114	1.590909e-01	1.590909e-01	843
2115	0.000000e+00	0.000000e+00	626
2116	0.000000e+00	0.000000e+00	1800
2117	0.000000e+00	0.000000e+00	596
2118	0.000000e+00	0.000000e+00	1200
2119	0.000000e+00	0.000000e+00	402
2120	1.600000e-01	1.600000e-01	1700
2121	0.000000e+00	0.000000e+00	18100
2122	1.000000e+00	1.000000e+00	1800
2123	-5.000000e-01	5.000000e-01	8200
2124	0.000000e+00	0.000000e+00	426
2125	3.000000e-01	3.000000e-01	1100
2126	1.600000e-01	1.600000e-01	915
2127	0.000000e+00	0.000000e+00	1100
2128	7.000000e-01	7.000000e-01	1700
2129	0.000000e+00	0.000000e+00	1100
2130	5.000000e-01	5.000000e-01	855
2131	0.000000e+00	0.000000e+00	624
2132	-2.545455e-01	2.545455e-01	492
2133	3.444444e-01	3.444444e-01	556
2134	0.000000e+00	0.000000e+00	2300
2135	1.363636e-01	1.363636e-01	1700
2136	-2.443182e-01	2.443182e-01	741
2137	0.000000e+00	0.000000e+00	626
2138	0.000000e+00	0.000000e+00	538
2139	4.000000e-01	4.000000e-01	8100
2140	0.000000e+00	0.000000e+00	2200
2141	5.000000e-01	5.000000e-01	822
2142	7.000000e-01	7.000000e-01	1300
2143	0.000000e+00	0.000000e+00	66900
2144	0.000000e+00	0.000000e+00	4300
2145	0.000000e+00	0.000000e+00	3800
2146	1.722222e-01	1.722222e-01	816
2147	-1.500000e-01	1.500000e-01	596
2148	0.000000e+00	0.000000e+00	11400
2149	0.000000e+00	0.000000e+00	2000
2150	5.000000e-01	5.000000e-01	1600
2151	4.000000e-01	4.000000e-01	1300
2152	0.000000e+00	0.000000e+00	869
2153	0.000000e+00	0.000000e+00	1700
2154	0.000000e+00	0.000000e+00	612
2155	3.750000e-01	3.750000e-01	9200

2156	0.000000e+00	0.000000e+00	4400
2157	1.363636e-01	1.363636e-01	1200
2158	5.000000e-01	5.000000e-01	1400
2159	4.000000e-01	4.000000e-01	746
2160	8.000000e-02	8.000000e-02	1000
2161	0.000000e+00	0.000000e+00	1700
2162	1.600000e-01	1.600000e-01	2100
2163	5.000000e-01	5.000000e-01	3300
2164	0.000000e+00	0.000000e+00	67500
2165	5.000000e-01	5.000000e-01	3000
2166	0.000000e+00	0.000000e+00	526
2167	5.000000e-01	5.000000e-01	15600
2168	0.000000e+00	0.000000e+00	2200
2169	0.000000e+00	0.000000e+00	850
2170	−1.250000e-01	1.250000e-01	840
2171	8.500000e-01	8.500000e-01	8400
2172	0.000000e+00	0.000000e+00	914
2173	0.000000e+00	0.000000e+00	1400
2174	0.000000e+00	0.000000e+00	1200
2175	0.000000e+00	0.000000e+00	1700
2176	0.000000e+00	0.000000e+00	7400
2177	0.000000e+00	0.000000e+00	1600
2178	−5.000000e-01	5.000000e-01	1400
2179	2.500000e-01	2.500000e-01	2900
2180	0.000000e+00	0.000000e+00	1700
2181	0.000000e+00	0.000000e+00	539
2182	0.000000e+00	0.000000e+00	7200
2183	2.857143e-01	2.857143e-01	1200
2184	0.000000e+00	0.000000e+00	858
2185	2.000000e-01	2.000000e-01	786
2186	0.000000e+00	0.000000e+00	717
2187	4.102564e-02	4.102564e-02	1600
2188	0.000000e+00	0.000000e+00	436
2189	5.000000e-01	5.000000e-01	3000
2190	1.363636e-01	1.363636e-01	2000
2191	0.000000e+00	0.000000e+00	816
2192	0.000000e+00	0.000000e+00	10300
2193	0.000000e+00	0.000000e+00	6100
2194	0.000000e+00	0.000000e+00	477
2195	3.333333e-02	3.333333e-02	2200
2196	0.000000e+00	0.000000e+00	2400
2197	0.000000e+00	0.000000e+00	1000
2198	1.363636e-01	1.363636e-01	729
2199	5.000000e-01	5.000000e-01	564
2200	5.000000e-01	5.000000e-01	736
2201	0.000000e+00	0.000000e+00	1600
2202	5.000000e-01	5.000000e-01	4700
2203	0.000000e+00	0.000000e+00	1700
2204	1.363636e-01	1.363636e-01	923
2205	1.000000e-01	1.000000e-01	3000
2206	0.000000e+00	0.000000e+00	2200
2207	−1.000000e+00	1.000000e+00	2200
2208	0.000000e+00	0.000000e+00	802
2209	3.333333e-02	3.333333e-02	889

2210	1.000000e+00	1.000000e+00	2200
2211	0.000000e+00	0.000000e+00	1100
2212	0.000000e+00	0.000000e+00	1800
2213	1.000000e-01	1.000000e-01	2800
2214	-5.555556e-02	5.555556e-02	15400
2215	0.000000e+00	0.000000e+00	635
2216	2.000000e-01	2.000000e-01	2800
2217	0.000000e+00	0.000000e+00	545
2218	0.000000e+00	0.000000e+00	989
2219	0.000000e+00	0.000000e+00	602
2220	0.000000e+00	0.000000e+00	1400
2221	0.000000e+00	0.000000e+00	1600
2222	3.500000e-01	3.500000e-01	3200
2223	0.000000e+00	0.000000e+00	5100
2224	0.000000e+00	0.000000e+00	5300
2225	0.000000e+00	0.000000e+00	398
2226	5.000000e-01	5.000000e-01	742
2227	0.000000e+00	0.000000e+00	1400
2228	0.000000e+00	0.000000e+00	1100
2229	0.000000e+00	0.000000e+00	1400
2230	-1.000000e+00	1.000000e+00	836
2231	0.000000e+00	0.000000e+00	678
2232	3.000000e-01	3.000000e-01	1000
2233	-5.000000e-01	5.000000e-01	1100
2234	0.000000e+00	0.000000e+00	1200
2235	5.000000e-01	5.000000e-01	1900
2236	1.000000e+00	1.000000e+00	1300
2237	5.000000e-01	5.000000e-01	2100
2238	0.000000e+00	0.000000e+00	1100
2239	0.000000e+00	0.000000e+00	4500
2240	1.250000e-01	1.250000e-01	1800
2241	5.500000e-01	5.500000e-01	390
2242	0.000000e+00	0.000000e+00	1500
2243	0.000000e+00	0.000000e+00	6500
2244	0.000000e+00	0.000000e+00	1400
2245	2.666667e-01	2.666667e-01	2000
2246	4.000000e-01	4.000000e-01	1700
2247	0.000000e+00	0.000000e+00	413
2248	0.000000e+00	0.000000e+00	1400
2249	5.000000e-01	5.000000e-01	2500
2250	0.000000e+00	0.000000e+00	7600
2251	2.666667e-01	2.666667e-01	840
2252	0.000000e+00	0.000000e+00	1800
2253	0.000000e+00	0.000000e+00	639
2254	0.000000e+00	0.000000e+00	3400
2255	5.000000e-01	5.000000e-01	3200
2256	7.000000e-01	7.000000e-01	970
2257	0.000000e+00	0.000000e+00	2200
2258	5.000000e-01	5.000000e-01	664
2259	0.000000e+00	0.000000e+00	1800
2260	0.000000e+00	0.000000e+00	1400
2261	0.000000e+00	0.000000e+00	1400
2262	0.000000e+00	0.000000e+00	639
2263	0.000000e+00	0.000000e+00	717

2264	0.000000e+00	0.000000e+00	2800
2265	4.000000e-01	4.000000e-01	3500
2266	4.000000e-01	4.000000e-01	674
2267	0.000000e+00	0.000000e+00	807
2268	0.000000e+00	0.000000e+00	1100
2269	0.000000e+00	0.000000e+00	822
2270	0.000000e+00	0.000000e+00	1000
2271	1.363636e-01	1.363636e-01	774
2272	0.000000e+00	0.000000e+00	2200
2273	0.000000e+00	0.000000e+00	1000
2274	1.363636e-01	1.363636e-01	336
2275	2.500000e-01	2.500000e-01	2900
2276	1.000000e-01	1.000000e-01	1200
2277	5.000000e-01	5.000000e-01	608
2278	0.000000e+00	0.000000e+00	2300
2279	0.000000e+00	0.000000e+00	520
2280	−1.250000e-01	1.250000e-01	375
2281	0.000000e+00	0.000000e+00	880
2282	0.000000e+00	0.000000e+00	972
2283	0.000000e+00	0.000000e+00	1000
2284	0.000000e+00	0.000000e+00	937
2285	2.000000e-01	2.000000e-01	969
2286	6.000000e-01	6.000000e-01	2600
2287	0.000000e+00	0.000000e+00	16800
2288	0.000000e+00	0.000000e+00	1200
2289	−1.500000e-01	1.500000e-01	694
2290	2.500000e-01	2.500000e-01	2200
2291	0.000000e+00	0.000000e+00	9900
2292	1.363636e-01	1.363636e-01	1500
2293	−7.142857e-02	7.142857e-02	1100
2294	0.000000e+00	0.000000e+00	725
2295	0.000000e+00	0.000000e+00	438
2296	7.777778e-02	7.777778e-02	354
2297	0.000000e+00	0.000000e+00	1500
2298	0.000000e+00	0.000000e+00	1100
2299	0.000000e+00	0.000000e+00	4100
2300	0.000000e+00	0.000000e+00	1700
2301	2.681818e-01	2.681818e-01	4700
2302	0.000000e+00	0.000000e+00	14500
2303	0.000000e+00	0.000000e+00	8600
2304	3.000000e-01	3.000000e-01	759
2305	1.000000e+00	1.000000e+00	4400
2306	0.000000e+00	0.000000e+00	591
2307	−5.000000e-02	5.000000e-02	4000
2308	5.500000e-01	5.500000e-01	510
2309	2.500000e-01	2.500000e-01	6500
2310	0.000000e+00	0.000000e+00	2000
2311	−8.000000e-01	8.000000e-01	723
2312	1.666667e-01	1.666667e-01	2500
2313	0.000000e+00	0.000000e+00	1100
2314	0.000000e+00	0.000000e+00	4100
2315	0.000000e+00	0.000000e+00	1600
2316	1.000000e+00	1.000000e+00	706
2317	5.000000e-01	5.000000e-01	1000

2318	0.000000e+00	0.000000e+00	877
2319	2.666667e-01	2.666667e-01	454
2320	0.000000e+00	0.000000e+00	3000
2321	1.375000e-01	1.375000e-01	1100
2322	5.000000e-01	5.000000e-01	19200
2323	0.000000e+00	0.000000e+00	386
2324	-3.333333e-01	3.333333e-01	1900
2325	-1.000000e-01	1.000000e-01	4900
2326	2.000000e-01	2.000000e-01	472
2327	0.000000e+00	0.000000e+00	1800
2328	0.000000e+00	0.000000e+00	4100
2329	0.000000e+00	0.000000e+00	755
2330	0.000000e+00	0.000000e+00	4800
2331	0.000000e+00	0.000000e+00	764
2332	-1.500000e-01	1.500000e-01	1200
2333	0.000000e+00	0.000000e+00	1200
2334	0.000000e+00	0.000000e+00	14800
2335	5.681818e-01	5.681818e-01	5500
2336	0.000000e+00	0.000000e+00	1400
2337	2.125000e-01	2.125000e-01	3600
2338	3.333333e-02	3.333333e-02	4800
2339	0.000000e+00	0.000000e+00	10500
2340	0.000000e+00	0.000000e+00	934
2341	0.000000e+00	0.000000e+00	638
2342	2.500000e-01	2.500000e-01	2000
2343	-1.500000e-01	1.500000e-01	634
2344	0.000000e+00	0.000000e+00	1300
2345	4.000000e-01	4.000000e-01	594
2346	5.500000e-01	5.500000e-01	11300
2347	3.000000e-01	3.000000e-01	1500
2348	-2.818182e-01	2.818182e-01	1100
2349	-2.000000e-01	2.000000e-01	623
2350	4.000000e-01	4.000000e-01	16700
2351	6.000000e-01	6.000000e-01	2300
2352	0.000000e+00	0.000000e+00	11100
2353	0.000000e+00	0.000000e+00	14300
2354	-6.000000e-01	6.000000e-01	7300
2355	-2.500000e-01	2.500000e-01	469
2356	-5.000000e-01	5.000000e-01	859
2357	0.000000e+00	0.000000e+00	1600
2358	0.000000e+00	0.000000e+00	4300
2359	5.000000e-01	5.000000e-01	2000
2360	0.000000e+00	0.000000e+00	13200
2361	0.000000e+00	0.000000e+00	827
2362	0.000000e+00	0.000000e+00	5500
2363	0.000000e+00	0.000000e+00	1400
2364	-2.500000e-01	2.500000e-01	1500
2365	-4.000000e-01	4.000000e-01	1200
2366	0.000000e+00	0.000000e+00	1300
2367	3.333333e-02	3.333333e-02	6000
2368	3.166667e-01	3.166667e-01	5000
2369	3.333333e-02	3.333333e-02	1700
2370	0.000000e+00	0.000000e+00	1700
2371	0.000000e+00	0.000000e+00	6900

2372	2.556818e-01	2.556818e-01	1600
2373	0.000000e+00	0.000000e+00	4600
2374	6.000000e-01	6.000000e-01	3300
2375	0.000000e+00	0.000000e+00	1400
2376	-3.750000e-01	3.750000e-01	1000
2377	8.500000e-01	8.500000e-01	2200
2378	0.000000e+00	0.000000e+00	1500
2379	5.000000e-01	5.000000e-01	11700
2380	2.500000e-01	2.500000e-01	3200
2381	0.000000e+00	0.000000e+00	4800
2382	0.000000e+00	0.000000e+00	2400
2383	1.000000e+00	1.000000e+00	1300
2384	1.000000e+00	1.000000e+00	1500
2385	0.000000e+00	0.000000e+00	16800
2386	0.000000e+00	0.000000e+00	5500
2387	-1.666667e-01	1.666667e-01	4600
2388	0.000000e+00	0.000000e+00	25300
2389	0.000000e+00	0.000000e+00	4000
2390	-1.000000e-01	1.000000e-01	4300
2391	0.000000e+00	0.000000e+00	6400
2392	5.500000e-01	5.500000e-01	2400
2393	1.121212e-01	1.121212e-01	3400
2394	0.000000e+00	0.000000e+00	3400
2395	5.000000e-01	5.000000e-01	1600
2396	5.000000e-01	5.000000e-01	26800
2397	5.000000e-01	5.000000e-01	5800
2398	5.000000e-01	5.000000e-01	933
2399	5.500000e-01	5.500000e-01	4000
2400	0.000000e+00	0.000000e+00	2000
2401	6.818182e-02	6.818182e-02	2200
2402	0.000000e+00	0.000000e+00	5100
2403	1.000000e-01	1.000000e-01	1600
2404	0.000000e+00	0.000000e+00	3000
2405	0.000000e+00	0.000000e+00	2700
2406	-5.000000e-01	5.000000e-01	19800
2407	2.375000e-01	2.375000e-01	2100
2408	5.000000e-01	5.000000e-01	917
2409	1.000000e+00	1.000000e+00	40400
2410	0.000000e+00	0.000000e+00	2600
2411	0.000000e+00	0.000000e+00	1200
2412	7.000000e-01	7.000000e-01	2300
2413	1.363636e-01	1.363636e-01	2100
2414	0.000000e+00	0.000000e+00	1800
2415	0.000000e+00	0.000000e+00	6400
2416	5.000000e-01	5.000000e-01	837
2417	-1.083333e-01	1.083333e-01	1400
2418	0.000000e+00	0.000000e+00	1200
2419	0.000000e+00	0.000000e+00	962
2420	0.000000e+00	0.000000e+00	1000
2421	3.000000e-01	3.000000e-01	3500
2422	5.000000e-01	5.000000e-01	4900
2423	5.000000e-01	5.000000e-01	3000
2424	0.000000e+00	0.000000e+00	1800
2425	5.000000e-01	5.000000e-01	2200

2426	1.000000e+00	1.000000e+00	9800
2427	6.875000e-01	6.875000e-01	1200
2428	0.000000e+00	0.000000e+00	4600
2429	−1.666667e-01	1.666667e-01	32700
2430	0.000000e+00	0.000000e+00	1700
2431	−1.250000e-01	1.250000e-01	887
2432	0.000000e+00	0.000000e+00	7500
2433	3.571429e-01	3.571429e-01	1600
2434	0.000000e+00	0.000000e+00	968
2435	0.000000e+00	0.000000e+00	1900
2436	0.000000e+00	0.000000e+00	1700
2437	5.000000e-02	5.000000e-02	2700
2438	0.000000e+00	0.000000e+00	14700
2439	0.000000e+00	0.000000e+00	1400
2440	4.000000e-01	4.000000e-01	1800
2441	0.000000e+00	0.000000e+00	2000
2442	0.000000e+00	0.000000e+00	18600
2443	0.000000e+00	0.000000e+00	23700
2444	0.000000e+00	0.000000e+00	5700
2445	−5.000000e-02	5.000000e-02	5800
2446	0.000000e+00	0.000000e+00	1800
2447	0.000000e+00	0.000000e+00	972
2448	0.000000e+00	0.000000e+00	2400
2449	7.500000e-02	7.500000e-02	1600
2450	1.666667e-01	1.666667e-01	1900
2451	0.000000e+00	0.000000e+00	1900
2452	0.000000e+00	0.000000e+00	42700
2453	1.000000e+00	1.000000e+00	12300
2454	0.000000e+00	0.000000e+00	1400
2455	0.000000e+00	0.000000e+00	1200
2456	0.000000e+00	0.000000e+00	856
2457	0.000000e+00	0.000000e+00	1200
2458	0.000000e+00	0.000000e+00	1700
2459	−4.000000e-01	4.000000e-01	783
2460	0.000000e+00	0.000000e+00	1800
2461	0.000000e+00	0.000000e+00	899
2462	0.000000e+00	0.000000e+00	3200
2463	5.000000e-01	5.000000e-01	1800
2464	0.000000e+00	0.000000e+00	1500
2465	0.000000e+00	0.000000e+00	5500
2466	3.500000e-01	3.500000e-01	3100
2467	0.000000e+00	0.000000e+00	1400
2468	1.000000e+00	1.000000e+00	989
2469	5.000000e-01	5.000000e-01	1700
2470	2.666667e-01	2.666667e-01	3700
2471	3.000000e-01	3.000000e-01	4600
2472	0.000000e+00	0.000000e+00	1300
2473	0.000000e+00	0.000000e+00	568
2474	0.000000e+00	0.000000e+00	2500
2475	0.000000e+00	0.000000e+00	775
2476	0.000000e+00	0.000000e+00	727
2477	2.500000e-01	2.500000e-01	3900
2478	0.000000e+00	0.000000e+00	2300
2479	−5.000000e-01	5.000000e-01	3000

2480	0.000000e+00	0.000000e+00	1700
2481	2.250000e-01	2.250000e-01	2500
2482	0.000000e+00	0.000000e+00	1600
2483	0.000000e+00	0.000000e+00	1600
2484	0.000000e+00	0.000000e+00	1100
2485	0.000000e+00	0.000000e+00	1800
2486	0.000000e+00	0.000000e+00	6100
2487	-7.800000e-01	7.800000e-01	407
2488	5.000000e-01	5.000000e-01	685
2489	0.000000e+00	0.000000e+00	2700
2490	0.000000e+00	0.000000e+00	3500
2491	2.500000e-01	2.500000e-01	1300
2492	2.765152e-01	2.765152e-01	591
2493	1.363636e-01	1.363636e-01	656
2494	2.500000e-01	2.500000e-01	1300
2495	-2.500000e-01	2.500000e-01	5200
2496	6.000000e-01	6.000000e-01	1800
2497	0.000000e+00	0.000000e+00	1300
2498	-1.500000e-01	1.500000e-01	1400
2499	3.000000e-01	3.000000e-01	1900
2500	5.000000e-01	5.000000e-01	595
2501	0.000000e+00	0.000000e+00	3800
2502	0.000000e+00	0.000000e+00	856
2503	0.000000e+00	0.000000e+00	1600
2504	0.000000e+00	0.000000e+00	680
2505	0.000000e+00	0.000000e+00	1900
2506	0.000000e+00	0.000000e+00	2200
2507	2.142857e-01	2.142857e-01	1200
2508	0.000000e+00	0.000000e+00	3400
2509	-3.958333e-01	3.958333e-01	473
2510	3.333333e-02	3.333333e-02	5100
2511	5.000000e-01	5.000000e-01	681
2512	3.333333e-02	3.333333e-02	3500
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2515	-1.000000e+00	1.000000e+00	10800
2516	5.000000e-01	5.000000e-01	1200
2517	0.000000e+00	0.000000e+00	1500
2518	1.931818e-01	1.931818e-01	896
2519	2.142857e-01	2.142857e-01	1100
2520	2.500000e-01	2.500000e-01	705
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2527	0.000000e+00	0.000000e+00	1900
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2531	0.000000e+00	0.000000e+00	2500
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2553            0.000000e+00             0.000000e+00    2500
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257	8	962	14	0	1
258	12	135	2	2	0
259	12	185	4	3	1
260	12	344	2	0	1
261	12	698	13	8	1
262	13	310	4	1	0
263	8	461	8	0	1
264	9	318	7	1	0
265	10	294	4	3	0
266	9	930	7	2	1
267	10	682	11	4	1
268	10	349	10	7	1
269	5	1302	53	39	19
270	13	220	5	3	1
271	13	140	2	1	0
272	12	341	4	1	1
273	9	537	3	2	13
274	8	358	4	4	1
275	11	221	8	6	1
276	10	195	5	3	1
277	10	604	13	7	1
278	11	707	3	2	1
279	10	331	8	0	1
280	9	529	2	1	18
281	6	358	24	6	1
282	11	877	45	8	1
283	8	270	5	2	0
284	14	233	10	1	7
285	8	264	3	1	0
286	8	148	6	2	0
287	10	315	3	0	1
288	14	696	5	1	1
289	11	98	1	0	0
290	7	719	13	5	1

291	11	1364	23	23	28
292	11	1408	22	22	33
293	12	324	6	4	0
294	11	257	4	1	1
295	9	328	11	0	1
296	10	204	7	2	1
297	10	230	3	1	1
298	12	996	21	20	25
299	13	578	4	3	19
300	11	1175	23	23	20
301	11	291	9	1	1
302	10	416	8	5	0
303	8	208	4	0	1
304	11	151	5	1	0
305	12	337	4	2	0
306	13	178	3	3	1
307	9	787	16	15	26
308	6	325	1	1	0
309	10	476	4	4	4
310	12	470	3	3	7
311	8	252	4	3	1
312	7	203	4	0	1
313	11	351	9	6	1
314	11	566	18	2	11
315	13	297	1	1	21
316	8	104	4	2	1
317	9	1438	56	47	1
318	13	293	6	5	1
319	7	655	12	12	26
320	10	995	20	0	1
321	14	138	8	0	0
322	13	1081	21	21	20
323	12	321	1	1	0
324	10	910	20	19	20
325	13	747	14	11	1
326	10	1159	21	20	19
327	11	147	6	4	0
328	12	138	5	3	0
329	9	738	11	1	11
330	7	935	31	31	20
331	10	1036	26	20	20
332	10	996	12	1	1
333	10	331	18	5	1
334	10	497	14	3	9
335	9	678	16	0	1
336	7	211	13	1	11
337	9	1821	30	24	20
338	12	190	4	2	0
339	13	174	3	3	1
340	10	1245	44	5	16
341	16	83	5	3	1
342	11	400	13	1	1
343	6	279	4	3	1
344	9	180	16	3	7

345	12	771	11	3	6
346	12	327	4	2	1
347	10	536	8	1	1
348	10	713	7	5	1
349	10	456	19	2	6
350	11	416	22	1	11
351	12	1267	41	19	12
352	10	165	2	1	0
353	11	227	14	3	10
354	9	120	7	1	0
355	14	268	2	1	6
356	9	695	4	1	18
357	11	501	6	1	1
358	9	282	6	3	0
359	14	375	3	1	1
360	10	324	6	2	1
361	11	792	7	4	10
362	12	230	7	1	1
363	13	732	7	5	1
364	10	350	10	0	1
365	12	315	7	0	1
366	11	317	11	11	1
367	11	419	7	1	1
368	8	275	1	0	1
369	13	197	4	3	0
370	8	1046	9	4	1
371	11	732	9	1	1
372	14	207	4	1	0
373	8	434	8	0	1
374	9	276	6	2	0
375	12	497	5	2	1
376	9	91	3	0	1
377	11	176	3	0	0
378	12	415	22	4	1
379	12	1298	13	0	1
380	13	273	5	1	1
381	10	601	19	0	1
382	7	221	4	0	1
383	10	205	3	1	1
384	11	469	7	2	1
385	13	208	4	3	0
386	9	349	5	4	1
387	5	651	8	5	12
388	10	374	6	3	1
389	8	264	20	3	0
390	8	1202	21	6	16
391	10	203	3	2	1
392	9	652	10	5	1
393	9	714	3	2	1
394	8	1579	12	7	1
395	11	955	25	24	19
396	8	701	8	8	12
397	8	633	16	4	27
398	10	604	11	5	26

399	12	876	17	1	1
400	12	528	9	2	1
401	10	342	4	2	0
402	12	513	8	6	1
403	12	324	8	5	1
404	9	187	6	2	1
405	12	291	16	3	13
406	9	334	3	3	5
407	11	298	12	0	14
408	11	276	3	2	1
409	11	1383	30	1	26
410	10	260	2	2	0
411	13	749	8	3	1
412	9	286	11	5	1
413	11	121	3	2	1
414	13	109	3	2	1
415	9	303	7	2	1
416	12	1550	70	6	26
417	10	223	8	5	0
418	11	170	8	5	0
419	11	722	9	3	1
420	9	388	7	3	1
421	10	364	5	0	1
422	7	1160	11	7	42
423	9	354	8	7	1
424	13	149	6	4	0
425	12	225	3	2	0
426	9	281	6	0	1
427	12	596	28	28	9
428	8	263	14	3	11
429	8	272	7	3	0
430	10	658	8	1	1
431	9	563	13	0	1
432	11	372	3	2	1
433	9	452	4	2	1
434	12	400	12	4	1
435	11	1475	9	8	1
436	9	462	7	1	1
437	8	293	11	6	1
438	12	965	7	7	0
439	10	960	17	7	1
440	13	200	5	2	0
441	9	446	11	8	0
442	10	462	4	1	1
443	11	144	8	4	1
444	13	171	3	1	1
445	7	354	8	1	0
446	7	432	7	2	0
447	11	327	3	2	1
448	8	1338	12	1	11
449	12	803	11	3	1
450	11	389	7	0	1
451	11	400	4	1	1
452	12	537	3	3	1

453	12	193	3	1	0
454	11	231	3	3	1
455	10	356	20	3	9
456	10	579	9	2	1
457	9	912	5	5	1
458	8	408	6	4	1
459	11	403	4	2	0
460	9	306	5	1	1
461	10	291	1	0	1
462	7	437	5	3	1
463	5	141	11	11	1
464	10	253	5	2	1
465	9	286	7	2	1
466	11	182	2	1	1
467	12	310	5	3	0
468	13	155	5	3	0
469	9	344	13	3	11
470	10	381	7	0	1
471	9	282	2	2	1
472	9	641	3	1	1
473	8	478	2	2	10
474	15	184	1	0	0
475	11	408	8	6	1
476	10	463	12	0	1
477	10	678	15	0	1
478	9	187	7	2	0
479	10	358	4	3	0
480	8	291	6	0	0
481	8	226	5	2	1
482	11	220	4	0	1
483	9	394	8	0	1
484	11	156	4	2	1
485	10	415	4	2	1
486	10	549	5	4	17
487	9	1089	16	0	1
488	8	615	15	3	1
489	6	535	24	3	10
490	9	410	10	0	0
491	9	448	8	6	1
492	12	986	14	7	1
493	9	679	4	2	13
494	10	232	6	4	0
495	11	1069	34	28	20
496	10	300	6	4	1
497	6	1060	13	0	1
498	6	301	5	2	0
499	10	537	4	3	1
500	8	286	18	2	15
501	11	182	4	3	0
502	10	120	6	3	0
503	11	241	5	4	1
504	9	420	17	0	1
505	11	402	5	2	1
506	11	660	12	0	1

507	15	233	11	9	1
508	8	288	18	2	15
509	8	744	19	0	1
510	9	282	6	4	1
511	10	275	2	0	5
512	10	422	3	2	16
513	12	588	11	4	1
514	7	457	5	0	0
515	11	233	4	1	5
516	9	134	6	4	1
517	12	339	6	3	1
518	8	808	32	12	1
519	11	325	2	1	1
520	8	320	8	3	1
521	9	963	8	0	1
522	12	1197	13	0	1
523	11	477	23	4	16
524	8	1179	33	0	1
525	5	256	5	1	1
526	10	226	7	3	0
527	8	174	8	8	0
528	11	282	3	2	0
529	9	258	3	2	0
530	7	1901	23	4	1
531	6	448	9	0	1
532	8	365	3	1	1
533	11	185	7	4	1
534	9	1224	11	6	1
535	14	316	8	6	1
536	10	308	4	3	1
537	11	278	9	4	1
538	8	263	7	4	1
539	13	264	7	3	1
540	9	1096	28	2	21
541	11	223	18	4	9
542	10	611	10	0	1
543	8	159	3	1	0
544	9	352	16	4	1
545	9	284	4	1	0
546	8	228	6	1	0
547	10	82	5	0	1
548	10	457	10	0	1
549	10	206	4	1	0
550	10	157	2	1	0
551	13	370	2	1	1
552	10	1105	3	1	1
553	10	972	13	0	1
554	8	397	26	1	22
555	8	405	3	2	9
556	13	646	9	4	1
557	8	134	2	1	0
558	11	196	4	3	0
559	11	239	6	2	0
560	10	704	4	2	1

561	9	342	2	1	1
562	12	513	7	1	1
563	9	1964	8	4	1
564	7	897	11	0	1
565	12	171	4	1	2
566	8	245	7	5	1
567	10	152	5	2	1
568	9	132	2	1	0
569	12	363	4	3	1
570	9	436	5	4	22
571	11	132	6	3	0
572	7	340	5	3	1
573	12	182	2	1	1
574	10	311	4	1	1
575	10	1053	28	4	21
576	9	291	5	2	1
577	12	326	11	5	1
578	8	184	5	2	1
579	10	149	1	0	0
580	12	292	6	5	1
581	10	336	9	3	1
582	13	263	6	3	1
583	10	392	28	6	11
584	11	338	15	4	10
585	11	793	8	3	1
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587	8	299	7	2	1
588	12	166	10	7	1
589	18	355	11	5	1
590	7	792	6	0	1
591	8	109	4	3	0
592	11	916	5	3	1
593	9	459	9	3	1
594	6	1186	15	0	1
595	10	491	16	0	1
596	10	663	4	1	1
597	11	1180	5	3	13
598	7	315	4	0	0
599	13	303	11	7	1
600	11	759	29	2	15
601	10	488	3	3	11
602	10	410	7	4	0
603	14	326	5	2	1
604	13	793	20	0	1
605	11	363	14	3	9
606	8	173	3	1	1
607	10	542	14	9	1
608	8	616	11	0	1
609	11	1331	28	1	25
610	13	258	8	4	1
611	10	124	7	3	0
612	11	398	3	2	1
613	14	322	4	2	1
614	13	177	5	4	1

615	9	380	8	0	0
616	12	864	18	3	1
617	10	1298	13	4	1
618	8	238	9	0	1
619	10	689	20	3	1
620	10	263	9	4	1
621	10	1827	16	16	17
622	9	480	9	1	1
623	11	1481	31	5	9
624	12	300	4	1	1
625	11	250	2	1	1
626	8	169	14	1	11
627	12	183	4	1	0
628	10	826	9	4	1
629	10	873	12	8	13
630	4	297	7	1	1
631	8	883	14	0	1
632	11	254	3	0	1
633	9	718	7	4	11
634	12	150	3	1	0
635	9	509	7	6	1
636	7	143	6	3	0
637	8	1272	28	12	11
638	11	479	17	2	1
639	7	22	1	1	0
640	9	912	3	2	14
641	8	420	1	1	1
642	12	349	34	5	11
643	8	576	9	5	1
644	12	270	7	3	1
645	7	263	6	4	1
646	10	185	4	1	0
647	9	238	16	3	11
648	9	130	14	3	1
649	5	155	3	0	1
650	13	298	4	0	1
651	13	742	12	8	1
652	10	322	9	2	1
653	16	185	3	1	1
654	10	246	4	2	1
655	10	452	26	2	0
656	10	240	5	4	1
657	9	409	8	0	1
658	11	480	8	5	1
659	9	250	6	1	0
660	10	532	5	3	8
661	10	497	5	5	16
662	12	1215	14	7	1
663	10	126	2	2	0
664	11	123	2	2	0
665	12	112	3	0	0
666	9	796	14	1	1
667	9	241	3	1	1
668	9	166	6	3	1

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670	9	240	8	5	1
671	11	353	9	5	0
672	9	163	3	3	1
673	7	1152	11	5	1
674	9	340	4	1	1
675	11	435	8	0	1
676	14	576	5	1	1
677	11	332	8	7	1
678	6	595	11	4	1
679	9	227	2	0	1
680	10	641	47	3	20
681	9	671	4	3	1
682	8	234	6	4	1
683	11	269	4	3	0
684	9	516	8	5	1
685	12	323	14	3	11
686	7	350	40	1	0
687	8	455	8	0	1
688	7	664	8	3	1
689	11	322	10	7	1
690	10	158	5	5	0
691	8	322	15	6	1
692	9	234	10	2	0
693	10	324	5	2	1
694	7	583	15	1	12
695	10	618	17	2	5
696	13	189	4	1	0
697	12	352	8	0	1
698	8	1113	25	18	12
699	9	629	5	2	1
700	9	222	7	4	1
701	12	186	4	1	1
702	8	265	7	4	0
703	10	327	2	0	1
704	10	775	7	5	10
705	9	368	22	1	11
706	13	306	13	6	1
707	9	497	10	4	8
708	12	342	4	1	1
709	7	151	1	0	0
710	12	668	6	0	1
711	9	1380	48	41	1
712	9	1684	14	2	1
713	9	331	12	4	1
714	7	163	4	2	1
715	9	126	4	2	0
716	11	287	13	9	0
717	8	407	4	2	1
718	10	1231	67	3	10
719	9	234	2	1	0
720	9	288	1	0	1
721	9	337	6	3	1
722	6	837	16	1	11

723	9	895	26	3	1
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725	9	315	2	1	1
726	11	80	2	2	0
727	14	102	3	1	1
728	12	259	1	1	0
729	10	951	13	0	1
730	9	1549	13	1	1
731	7	794	13	2	6
732	6	1012	5	2	13
733	11	223	5	3	1
734	10	344	7	4	1
735	13	516	2	1	12
736	8	188	3	3	0
737	10	945	13	0	1
738	10	451	16	1	6
739	14	980	11	0	1
740	9	807	28	5	6
741	13	54	1	0	0
742	11	281	5	2	1
743	11	492	38	3	9
744	10	68	5	2	0
745	9	593	21	3	1
746	9	347	14	3	1
747	11	197	6	0	1
748	10	680	7	0	1
749	10	296	3	1	1
750	10	695	2	2	12
751	10	123	1	0	0
752	8	400	19	2	10
753	10	148	5	5	0
754	10	180	4	3	1
755	10	315	8	4	1
756	14	103	3	0	0
757	8	810	16	12	0
758	12	509	10	3	1
759	12	217	6	3	1
760	11	349	3	3	1
761	11	521	8	6	17
762	12	679	17	5	9
763	13	177	8	6	0
764	10	251	5	4	1
765	10	424	11	4	1
766	11	417	5	1	1
767	13	134	7	6	0
768	9	985	8	2	1
769	10	265	4	4	1
770	9	535	9	4	1
771	8	382	3	0	1
772	10	602	51	7	13
773	10	566	47	3	13
774	7	524	0	0	1
775	12	672	39	2	12
776	11	771	18	1	1

777	8	225	14	1	1
778	12	294	15	0	1
779	11	481	4	3	0
780	8	704	10	7	1
781	10	371	4	1	0
782	10	1050	13	0	1
783	11	172	16	3	12
784	10	220	8	1	7
785	10	857	7	5	17
786	6	545	11	5	1
787	9	506	16	3	0
788	10	1016	14	0	1
789	10	156	4	2	0
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791	8	189	3	2	1
792	9	1777	40	7	1
793	13	113	5	4	0
794	10	154	3	1	0
795	13	145	4	2	1
796	9	746	6	5	13
797	15	208	5	4	1
798	8	286	6	5	0
799	8	827	14	12	17
800	11	150	2	1	1
801	9	666	11	1	1
802	10	185	6	0	0
803	7	366	9	0	1
804	10	526	3	2	14
805	18	537	38	34	12
806	9	745	7	2	1
807	8	249	14	3	11
808	10	85	3	2	1
809	11	242	6	1	0
810	10	296	5	4	1
811	9	184	3	2	1
812	9	548	13	2	1
813	12	286	7	7	0
814	8	1362	8	3	1
815	12	317	1	0	0
816	7	127	4	2	0
817	11	230	7	0	1
818	9	458	5	0	1
819	11	245	7	0	1
820	10	225	5	1	1
821	12	577	7	0	1
822	9	380	3	3	1
823	11	617	12	4	1
824	10	238	3	0	1
825	8	218	2	0	0
826	8	1898	16	4	1
827	12	366	5	3	0
828	10	504	11	6	1
829	10	831	6	0	1
830	7	400	4	2	1

831	14	193	3	1	1
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833	10	682	10	0	1
834	12	702	14	5	1
835	9	446	7	3	1
836	8	275	3	1	1
837	8	334	15	5	1
838	10	370	7	4	1
839	11	430	15	0	1
840	11	117	0	0	0
841	9	128	3	1	0
842	10	295	12	4	0
843	11	324	31	4	12
844	10	743	53	3	13
845	11	195	5	3	0
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847	10	238	3	1	1
848	8	80	1	0	0
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852	10	501	3	2	1
853	10	1438	5	3	1
854	11	1949	15	7	16
855	10	216	4	3	1
856	13	272	6	5	1
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858	6	921	10	0	1
859	9	103	7	3	1
860	11	275	3	1	1
861	7	90	4	3	0
862	17	141	2	1	0
863	8	300	14	4	6
864	11	428	4	3	0
865	9	389	12	1	5
866	6	234	6	3	1
867	12	104	3	1	0
868	11	174	3	0	1
869	12	531	10	0	1
870	11	248	10	2	0
871	10	446	14	9	1
872	11	396	6	3	1
873	9	557	9	8	9
874	10	501	4	1	1
875	9	431	3	1	1
876	8	151	4	1	0
877	13	1118	30	0	1
878	8	826	9	7	1
879	8	167	9	3	0
880	11	95	4	0	1
881	10	238	7	2	1
882	11	189	7	2	1
883	7	296	7	0	1
884	8	716	7	1	1

885	14	221	3	2	1
886	11	265	28	3	16
887	9	285	13	0	1
888	8	730	14	4	1
889	9	203	11	5	0
890	8	439	6	0	1
891	7	1079	4	2	1
892	10	1235	29	3	25
893	13	351	11	6	1
894	10	0	0	0	10
895	11	332	7	6	1
896	10	302	4	2	1
897	7	234	7	2	1
898	12	319	10	5	0
899	11	177	3	2	1
900	12	311	1	1	1
901	7	480	9	3	1
902	7	193	2	2	1
903	10	261	10	3	1
904	8	715	8	4	13
905	11	409	2	0	1
906	11	478	5	4	1
907	12	509	12	0	1
908	11	461	10	3	1
909	13	86	4	1	1
910	10	443	8	1	1
911	8	194	14	1	13
912	10	757	6	2	1
913	11	775	20	1	14
914	9	796	13	0	1
915	10	151	6	4	0
916	8	370	4	2	0
917	12	397	3	1	1
918	8	0	0	0	0
919	10	320	4	0	1
920	8	788	11	4	1
921	13	109	3	2	0
922	7	1593	11	3	1
923	11	240	5	1	1
924	9	488	11	7	1
925	12	776	5	2	1
926	11	654	15	4	1
927	10	267	9	3	0
928	9	386	14	9	1
929	13	191	5	2	0
930	14	410	5	4	1
931	11	269	1	1	0
932	9	297	11	1	1
933	10	334	8	0	1
934	10	1863	18	0	1
935	11	436	16	4	10
936	10	230	3	0	1
937	10	234	4	3	1
938	11	602	10	0	1

939	8	413	9	0	1
940	10	885	12	0	1
941	14	268	6	2	1
942	12	280	2	0	1
943	11	304	17	3	7
944	11	94	3	2	0
945	11	1027	14	0	1
946	7	256	8	5	1
947	9	97	3	0	0
948	10	163	5	1	1
949	7	232	8	3	0
950	7	320	12	0	1
951	12	282	4	3	1
952	10	384	12	3	0
953	13	184	7	7	0
954	11	235	10	4	1
955	10	203	4	1	1
956	11	61	4	1	0
957	10	255	2	1	0
958	11	505	4	2	1
959	10	406	14	8	1
960	11	501	1	0	1
961	9	117	2	0	0
962	8	1063	16	1	8
963	7	195	5	3	1
964	12	508	2	0	1
965	10	196	3	1	0
966	12	207	3	2	1
967	7	763	33	0	1
968	9	269	4	1	4
969	12	223	5	0	1
970	10	548	6	0	1
971	11	467	8	1	0
972	12	270	2	0	0
973	7	387	8	0	0
974	8	271	3	3	1
975	11	611	1	0	1
976	8	307	5	2	1
977	12	183	5	2	1
978	9	902	15	2	8
979	12	129	6	2	0
980	10	1023	10	10	1
981	6	372	4	2	1
982	13	126	4	3	0
983	12	898	22	0	1
984	8	210	6	4	0
985	9	170	3	0	1
986	8	430	49	3	16
987	9	580	13	2	10
988	11	214	4	1	1
989	6	951	22	19	1
990	11	794	15	3	6
991	10	322	8	2	0
992	7	222	3	2	1

993	9	529	11	0	1
994	4	98	2	1	1
995	7	241	3	2	0
996	13	661	10	4	1
997	10	596	5	5	12
998	8	322	2	1	1
999	13	716	6	0	1
1000	9	342	5	2	0
1001	6	304	9	6	1
1002	11	407	9	7	1
1003	10	358	8	3	1
1004	12	169	7	5	0
1005	11	472	7	6	1
1006	9	1139	19	3	11
1007	10	411	6	2	1
1008	13	117	2	1	0
1009	9	252	7	0	0
1010	8	636	5	3	1
1011	9	206	6	5	0
1012	13	801	22	8	11
1013	9	511	10	0	1
1014	6	164	3	0	0
1015	10	126	3	1	1
1016	12	239	1	1	1
1017	10	888	3	1	1
1018	8	362	5	0	1
1019	11	663	5	0	1
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1021	8	231	3	2	1
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1023	11	330	6	2	1
1024	9	419	5	3	1
1025	9	711	12	0	1
1026	13	131	4	1	0
1027	11	185	17	4	12
1028	10	769	9	7	17
1029	8	565	8	0	1
1030	15	167	5	2	0
1031	10	1223	11	0	1
1032	12	1448	47	12	11
1033	11	109	2	2	0
1034	9	544	10	0	1
1035	7	560	4	2	14
1036	6	425	17	3	11
1037	13	237	2	1	0
1038	10	824	11	3	1
1039	7	228	2	1	0
1040	8	595	14	3	8
1041	10	176	5	1	0
1042	9	479	3	2	0
1043	12	844	3	1	13
1044	11	339	8	4	0
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1046	12	345	4	2	1

1047	10	275	3	1	0
1048	7	604	8	3	1
1049	13	560	8	2	1
1050	10	472	10	4	1
1051	12	2233	6	0	1
1052	11	289	14	6	1
1053	10	215	2	0	0
1054	12	477	2	1	1
1055	15	205	4	1	1
1056	8	538	8	0	1
1057	11	343	4	3	0
1058	10	194	3	1	1
1059	10	1144	21	1	1
1060	13	541	3	1	1
1061	7	826	11	0	1
1062	6	451	30	4	8
1063	12	0	0	0	0
1064	11	239	10	4	1
1065	7	397	20	3	8
1066	8	284	6	2	0
1067	12	136	6	3	0
1068	8	2446	49	11	1
1069	5	490	9	7	1
1070	10	386	6	4	1
1071	10	815	8	0	1
1072	10	285	4	2	0
1073	12	1747	11	0	1
1074	9	371	6	5	1
1075	8	727	11	7	1
1076	14	382	4	2	0
1077	11	540	7	4	1
1078	10	134	2	1	1
1079	12	307	4	3	1
1080	9	166	10	2	7
1081	9	242	2	1	1
1082	9	99	3	3	0
1083	11	268	6	5	1
1084	11	539	11	1	1
1085	11	957	4	2	0
1086	8	112	4	1	0
1087	12	548	12	0	1
1088	9	1119	6	1	1
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1090	13	197	7	3	1
1091	13	352	4	0	1
1092	9	408	3	1	1
1093	8	485	4	2	1
1094	11	116	2	1	0
1095	9	220	4	2	1
1096	9	1017	6	2	1
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1099	7	829	15	4	1
1100	10	958	8	0	1

1101	9	427	5	1	1
1102	12	590	10	7	1
1103	12	979	12	11	0
1104	10	276	12	3	1
1105	10	301	4	2	0
1106	7	1119	3	0	1
1107	8	375	5	4	1
1108	9	353	41	1	1
1109	10	799	4	1	13
1110	8	886	9	6	13
1111	15	932	17	8	1
1112	9	927	9	3	1
1113	9	445	7	2	1
1114	14	543	2	1	1
1115	8	797	3	1	6
1116	9	674	4	3	1
1117	9	552	10	6	8
1118	14	185	7	0	1
1119	9	1287	52	42	1
1120	10	1176	20	3	11
1121	10	878	32	31	30
1122	10	0	0	0	0
1123	12	277	7	3	1
1124	11	570	5	0	1
1125	11	297	3	2	0
1126	8	275	4	4	0
1127	12	102	5	3	0
1128	9	208	8	2	1
1129	13	345	4	3	1
1130	10	931	19	1	1
1131	9	469	24	1	11
1132	9	484	7	4	13
1133	8	172	4	3	0
1134	10	662	36	4	1
1135	6	775	12	11	11
1136	8	403	5	3	13
1137	13	135	6	3	1
1138	8	428	6	4	0
1139	9	3027	3	2	25
1140	13	268	4	0	1
1141	11	46	3	1	0
1142	12	121	7	7	0
1143	9	186	2	1	0
1144	13	989	9	2	1
1145	8	1517	11	3	1
1146	11	441	16	1	8
1147	17	349	5	1	1
1148	12	448	8	0	1
1149	11	191	11	9	0
1150	9	842	8	1	1
1151	9	78	4	2	0
1152	7	162	3	1	0
1153	11	161	2	0	0
1154	11	749	11	2	6

1155	12	199	6	4	0
1156	9	274	4	3	1
1157	12	573	8	5	1
1158	10	396	19	1	6
1159	12	675	11	1	1
1160	9	243	1	1	0
1161	9	506	10	7	7
1162	7	386	18	16	8
1163	10	451	11	0	1
1164	10	118	5	3	0
1165	9	179	5	3	1
1166	8	151	4	2	1
1167	9	311	15	3	1
1168	11	233	9	7	0
1169	12	253	10	8	0
1170	7	261	11	8	1
1171	13	490	6	4	0
1172	9	255	3	2	9
1173	10	261	6	4	0
1174	14	337	5	3	1
1175	6	244	11	1	1
1176	7	602	8	1	6
1177	10	127	3	2	1
1178	10	302	7	0	1
1179	8	281	10	0	1
1180	6	1577	17	10	1
1181	7	281	6	2	1
1182	10	762	14	1	0
1183	9	320	4	0	1
1184	12	664	8	0	1
1185	9	194	4	2	1
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1187	7	107	1	0	1
1188	9	1756	6	3	14
1189	8	409	7	2	1
1190	10	259	8	4	0
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1192	12	495	9	5	1
1193	12	357	3	1	1
1194	11	838	12	0	1
1195	6	276	10	0	1
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1197	10	269	6	3	1
1198	12	213	3	2	0
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1200	10	250	16	5	10
1201	10	385	8	0	1
1202	11	726	13	0	1
1203	11	256	17	2	14
1204	9	209	6	4	0
1205	12	148	5	3	0
1206	9	679	6	1	1
1207	12	175	3	1	0
1208	10	920	15	9	1

1209	14	115	6	3	0
1210	11	875	14	9	11
1211	11	384	16	0	1
1212	8	703	13	5	1
1213	10	288	5	4	1
1214	11	1197	24	4	10
1215	11	308	7	5	1
1216	8	1236	31	10	9
1217	8	1209	7	0	1
1218	6	678	4	2	0
1219	11	728	15	1	1
1220	11	1390	18	15	13
1221	10	308	11	3	1
1222	9	435	3	2	1
1223	8	119	1	0	0
1224	7	993	2	1	1
1225	11	175	4	2	0
1226	9	177	1	1	0
1227	8	1282	12	3	0
1228	11	327	5	3	0
1229	7	252	6	3	1
1230	9	777	5	1	1
1231	9	189	3	2	1
1232	11	337	4	3	0
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1234	12	244	3	1	1
1235	10	448	16	4	1
1236	12	599	8	3	1
1237	11	504	3	2	1
1238	6	233	16	1	1
1239	10	1006	21	0	1
1240	10	921	3	2	0
1241	7	265	32	2	1
1242	10	197	7	1	1
1243	10	498	5	5	13
1244	10	161	4	3	0
1245	11	461	10	1	9
1246	9	310	3	2	0
1247	11	361	5	1	1
1248	13	445	4	2	1
1249	8	210	13	3	8
1250	12	215	5	2	1
1251	13	467	54	3	0
1252	7	659	7	5	1
1253	12	308	4	1	0
1254	8	509	9	5	1
1255	10	296	3	3	1
1256	10	290	5	1	1
1257	8	616	8	2	1
1258	14	101	6	3	0
1259	7	164	2	1	1
1260	11	891	14	13	0
1261	11	305	5	1	0
1262	9	658	16	2	12

1263	8	743	12	12	1
1264	8	1042	18	0	1
1265	10	236	2	1	0
1266	12	354	5	2	1
1267	9	511	14	2	1
1268	11	188	1	0	0
1269	9	122	11	1	7
1270	7	1753	24	17	9
1271	11	178	4	3	0
1272	7	130	6	3	1
1273	9	261	6	2	1
1274	8	190	5	3	1
1275	10	379	4	2	1
1276	9	160	3	2	1
1277	8	810	5	0	11
1278	8	494	5	2	1
1279	8	131	7	6	1
1280	6	197	5	2	1
1281	11	216	4	3	8
1282	8	295	17	6	6
1283	7	156	5	1	0
1284	11	473	10	4	0
1285	10	969	10	3	1
1286	11	294	11	4	1
1287	7	466	4	3	0
1288	11	491	8	4	1
1289	9	427	6	0	6
1290	12	779	13	8	1
1291	11	709	11	0	1
1292	9	136	6	4	0
1293	7	402	8	1	14
1294	12	597	6	0	1
1295	10	1405	14	0	1
1296	5	118	4	1	0
1297	12	202	5	2	1
1298	7	231	6	1	1
1299	11	391	6	3	0
1300	11	1937	6	6	11
1301	12	903	5	5	11
1302	10	289	6	1	1
1303	11	246	4	3	1
1304	13	185	6	2	1
1305	7	159	4	3	1
1306	10	161	7	1	0
1307	8	527	9	2	1
1308	8	28	0	0	0
1309	11	178	2	1	1
1310	10	210	5	3	0
1311	11	104	3	2	0
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1313	14	0	0	0	0
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1315	9	1026	42	5	1
1316	11	510	11	2	9

1317	7	683	12	1	8
1318	13	507	4	2	1
1319	9	238	6	4	0
1320	12	186	6	4	0
1321	7	327	7	4	1
1322	10	328	5	0	1
1323	4	452	2	0	13
1324	6	944	13	11	1
1325	12	283	3	0	1
1326	6	562	5	0	1
1327	12	242	5	4	0
1328	7	273	3	0	1
1329	12	142	6	3	0
1330	11	177	4	2	0
1331	13	341	10	9	1
1332	10	258	4	2	1
1333	9	642	2	1	1
1334	12	406	2	1	1
1335	8	518	9	5	16
1336	12	887	5	5	20
1337	9	0	0	0	0
1338	8	258	9	3	0
1339	10	498	17	0	1
1340	6	161	7	5	1
1341	8	115	2	2	1
1342	9	109	2	1	1
1343	12	448	2	2	1
1344	6	1195	12	6	0
1345	11	4125	8	8	21
1346	6	394	3	3	13
1347	7	2022	36	7	1
1348	9	292	26	0	1
1349	11	232	7	5	0
1350	10	568	5	2	1
1351	10	623	3	2	1
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1355	10	742	7	4	1
1356	10	229	4	2	1
1357	10	182	2	0	0
1358	12	528	29	3	12
1359	8	937	7	7	16
1360	11	522	9	0	1
1361	8	308	7	0	1
1362	7	479	11	5	1
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1364	9	486	3	3	16
1365	7	339	2	1	10
1366	8	962	21	0	1
1367	9	265	4	1	0
1368	8	208	5	1	1
1369	10	485	17	2	8
1370	10	319	22	1	11

1371	8	391	4	0	1
1372	9	335	16	4	10
1373	6	251	7	4	1
1374	8	448	12	0	1
1375	10	354	7	3	1
1376	11	160	4	3	0
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1378	11	105	5	3	0
1379	10	435	8	0	1
1380	10	247	4	3	1
1381	9	122	3	2	0
1382	11	255	4	0	1
1383	8	467	6	4	1
1384	11	917	9	7	11
1385	10	1806	52	39	1
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1389	10	523	17	6	1
1390	10	541	12	3	11
1391	9	321	21	1	20
1392	10	179	4	3	0
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1394	8	971	13	0	1
1395	6	409	3	3	1
1396	5	84	3	3	1
1397	8	152	6	3	1
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1399	11	191	5	2	1
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1403	13	245	6	2	1
1404	8	168	4	3	1
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1406	13	150	3	2	0
1407	10	103	3	0	1
1408	10	468	6	5	13
1409	10	632	42	36	30
1410	11	944	6	4	0
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1413	8	179	6	1	0
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1415	9	233	6	0	1
1416	9	215	4	2	1
1417	7	109	2	1	0
1418	7	776	8	3	10
1419	10	213	6	4	0
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1421	13	329	47	3	1
1422	10	415	6	4	1
1423	10	520	6	1	0
1424	10	249	5	3	1

1425	7	213	3	1	0
1426	6	263	4	4	1
1427	13	126	5	3	0
1428	10	769	4	2	11
1429	8	736	15	10	9
1430	11	175	3	1	0
1431	8	375	7	5	1
1432	10	648	9	9	16
1433	8	440	14	8	1
1434	9	208	6	4	1
1435	10	196	1	0	5
1436	13	201	2	2	0
1437	8	167	7	1	0
1438	9	272	6	2	1
1439	10	865	11	11	1
1440	9	521	3	3	1
1441	11	144	3	2	0
1442	8	1222	25	11	11
1443	9	359	7	0	0
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1445	10	398	3	2	1
1446	11	494	13	0	1
1447	11	417	9	0	1
1448	8	323	8	4	1
1449	10	113	3	2	0
1450	12	150	3	2	1
1451	10	422	5	2	1
1452	8	362	7	0	1
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1455	9	0	0	0	0
1456	9	661	6	3	1
1457	8	574	8	7	14
1458	12	454	4	1	1
1459	9	185	7	1	0
1460	9	660	5	2	13
1461	8	317	5	4	0
1462	11	302	3	2	0
1463	8	208	4	2	1
1464	15	219	1	1	0
1465	8	792	9	0	1
1466	15	599	3	0	1
1467	12	185	3	2	1
1468	8	507	6	0	1
1469	10	274	4	2	0
1470	10	434	10	0	1
1471	8	229	4	2	0
1472	9	317	11	3	1
1473	8	298	5	3	1
1474	12	318	10	10	0
1475	6	692	5	4	1
1476	12	1900	30	3	10
1477	8	336	17	4	12
1478	7	346	6	0	1

1479	6	293	3	1	1
1480	8	253	14	3	11
1481	8	115	6	3	1
1482	8	242	5	2	1
1483	13	356	5	4	1
1484	9	348	5	5	1
1485	10	1630	25	16	14
1486	12	0	0	0	12
1487	8	166	1	0	0
1488	11	293	7	6	1
1489	10	328	8	0	1
1490	11	497	9	3	1
1491	14	380	3	0	1
1492	8	445	5	0	1
1493	12	564	7	5	1
1494	13	120	3	1	0
1495	10	643	5	5	1
1496	11	828	5	4	21
1497	9	581	12	1	1
1498	10	954	10	0	1
1499	7	184	8	0	0
1500	9	1329	22	2	11
1501	9	196	2	0	0
1502	8	126	1	0	1
1503	8	375	6	2	1
1504	8	364	4	1	1
1505	13	214	3	0	1
1506	10	591	6	3	1
1507	8	345	23	4	0
1508	11	391	7	3	1
1509	6	154	8	4	0
1510	11	165	5	1	1
1511	11	543	12	0	1
1512	10	178	6	3	1
1513	11	131	6	0	0
1514	10	163	3	1	0
1515	8	349	6	3	0
1516	8	1094	4	3	1
1517	8	811	22	4	8
1518	11	315	5	2	1
1519	9	345	8	4	1
1520	13	540	11	2	1
1521	9	1073	5	1	1
1522	12	194	2	2	1
1523	7	217	5	2	0
1524	8	308	7	3	1
1525	12	192	5	3	1
1526	9	437	9	4	1
1527	12	217	1	1	0
1528	10	381	10	0	1
1529	9	508	12	8	1
1530	8	336	20	3	8
1531	10	750	13	0	1
1532	9	144	6	3	1

1533	10	526	12	9	1
1534	11	404	6	4	0
1535	10	348	6	5	1
1536	6	340	5	3	1
1537	9	196	7	2	0
1538	9	291	6	3	1
1539	11	1971	21	1	1
1540	13	408	22	1	11
1541	12	234	4	1	1
1542	9	317	6	3	1
1543	9	510	16	0	1
1544	9	653	11	8	9
1545	10	1827	4	4	21
1546	11	373	6	2	0
1547	9	1595	59	51	1
1548	12	481	7	1	0
1549	13	261	6	2	0
1550	9	338	24	1	11
1551	12	270	5	2	1
1552	9	181	4	2	1
1553	10	250	3	0	1
1554	12	2239	4	3	99
1555	10	521	18	1	6
1556	10	945	11	2	1
1557	14	608	30	0	1
1558	12	643	2	2	0
1559	6	806	12	11	11
1560	11	763	40	7	11
1561	7	57	3	2	0
1562	14	223	4	2	1
1563	9	468	20	2	0
1564	13	375	11	2	1
1565	10	1777	10	3	1
1566	8	651	11	2	6
1567	9	596	10	8	8
1568	13	618	8	4	1
1569	9	539	11	0	1
1570	8	1254	47	4	10
1571	11	152	4	3	0
1572	10	246	4	1	1
1573	11	223	7	6	1
1574	13	151	6	4	1
1575	10	0	0	0	0
1576	7	1156	36	2	1
1577	15	172	1	0	0
1578	8	178	4	2	0
1579	10	296	2	1	1
1580	10	187	3	1	0
1581	12	91	4	2	0
1582	8	702	14	1	1
1583	7	252	7	2	1
1584	9	278	7	4	0
1585	10	308	7	2	1
1586	10	220	6	1	0

1587	8	98	3	1	1
1588	7	141	4	1	0
1589	9	812	44	4	10
1590	15	218	1	1	0
1591	11	879	15	3	1
1592	9	2478	2	2	1
1593	7	747	11	1	1
1594	6	0	0	0	0
1595	8	81	1	1	0
1596	8	242	19	2	0
1597	11	367	32	1	0
1598	10	855	32	31	30
1599	10	263	6	5	0
1600	5	204	11	2	1
1601	7	163	2	0	0
1602	10	594	26	22	10
1603	10	174	8	1	0
1604	13	216	1	1	1
1605	6	230	3	1	1
1606	8	820	14	3	10
1607	7	928	17	0	1
1608	12	184	8	5	1
1609	8	275	6	4	0
1610	8	177	4	3	0
1611	12	2799	11	4	1
1612	10	171	9	5	0
1613	11	714	6	6	1
1614	10	917	9	0	1
1615	13	2784	24	2	1
1616	15	2453	6	3	0
1617	10	309	6	4	1
1618	7	309	57	3	1
1619	9	447	6	0	1
1620	10	672	22	1	13
1621	8	287	7	5	0
1622	12	506	1	1	7
1623	9	281	5	4	1
1624	11	209	4	1	1
1625	9	466	3	1	1
1626	10	1383	13	0	1
1627	10	578	11	7	1
1628	9	196	4	2	1
1629	10	180	4	3	1
1630	8	158	4	3	1
1631	14	339	6	5	0
1632	9	224	4	2	1
1633	11	828	15	1	0
1634	13	924	2	1	0
1635	8	256	4	3	0
1636	9	395	27	2	1
1637	14	120	4	1	1
1638	7	338	4	0	1
1639	8	391	8	0	1
1640	10	237	6	3	0

1641	13	753	12	11	1
1642	10	162	6	3	0
1643	10	116	6	4	1
1644	10	517	8	4	1
1645	11	200	3	1	0
1646	10	980	4	2	1
1647	8	994	1	0	1
1648	9	439	0	0	1
1649	8	174	8	4	0
1650	8	26	1	1	0
1651	12	143	2	2	0
1652	5	758	9	8	1
1653	12	252	3	2	1
1654	11	0	0	0	0
1655	10	296	7	3	1
1656	8	296	19	3	0
1657	10	763	5	3	1
1658	11	1269	4	0	6
1659	7	3288	29	24	1
1660	9	165	5	1	1
1661	9	331	23	1	11
1662	12	111	0	0	0
1663	9	327	27	1	11
1664	9	299	4	2	0
1665	10	1831	13	0	1
1666	7	182	5	2	0
1667	12	2458	5	4	0
1668	8	184	4	0	1
1669	8	1458	14	6	1
1670	11	85	3	2	0
1671	10	177	5	2	1
1672	12	2817	45	6	12
1673	8	99	4	1	0
1674	9	652	10	7	1
1675	9	285	3	1	1
1676	12	166	3	2	1
1677	8	155	7	2	1
1678	10	633	4	2	21
1679	11	204	5	3	1
1680	10	622	10	0	1
1681	5	221	2	0	1
1682	12	786	10	0	1
1683	9	264	3	2	0
1684	9	75	4	2	0
1685	8	428	4	3	13
1686	7	1065	6	6	20
1687	14	643	4	0	1
1688	10	555	16	11	0
1689	8	120	3	1	0
1690	11	1006	8	1	1
1691	11	357	4	3	1
1692	11	142	4	1	0
1693	8	268	17	2	13
1694	10	804	7	0	1

1695	9	248	3	0	1
1696	8	489	4	1	1
1697	8	932	23	3	20
1698	11	166	7	3	1
1699	11	484	3	2	1
1700	14	170	6	2	1
1701	11	456	5	2	1
1702	9	268	7	0	25
1703	11	625	6	1	1
1704	10	285	4	3	1
1705	11	584	15	2	0
1706	10	357	4	3	1
1707	9	171	3	0	1
1708	8	2113	21	5	6
1709	6	465	11	0	1
1710	9	650	11	6	1
1711	10	671	8	0	1
1712	9	923	25	0	1
1713	9	458	5	3	1
1714	6	1124	24	17	12
1715	8	256	6	4	1
1716	13	264	5	2	1
1717	10	659	44	40	31
1718	13	122	5	2	0
1719	12	750	16	0	1
1720	8	348	13	2	10
1721	10	107	4	2	0
1722	12	3137	12	12	21
1723	7	70	2	0	0
1724	11	347	18	2	1
1725	9	608	45	3	1
1726	12	162	3	0	0
1727	10	0	0	0	0
1728	10	455	7	3	11
1729	10	165	13	2	11
1730	11	435	13	1	11
1731	11	184	11	9	1
1732	15	111	5	3	0
1733	15	109	1	0	0
1734	6	204	4	0	1
1735	10	312	30	4	1
1736	12	257	5	2	1
1737	14	606	5	3	1
1738	11	705	10	0	1
1739	10	263	14	2	11
1740	7	294	2	0	1
1741	8	95	3	1	0
1742	11	0	0	0	0
1743	8	314	3	3	1
1744	9	0	0	0	0
1745	10	514	15	9	1
1746	8	282	18	6	11
1747	9	248	10	4	1
1748	9	188	5	3	0

1749	8	234	12	4	1
1750	11	296	5	0	1
1751	11	138	3	1	0
1752	10	282	3	2	1
1753	6	298	8	3	1
1754	8	370	8	0	1
1755	8	112	2	1	0
1756	11	208	4	1	1
1757	9	333	7	5	1
1758	12	2573	6	5	1
1759	9	93	5	3	0
1760	11	106	3	1	0
1761	11	196	5	3	1
1762	12	970	5	4	21
1763	8	132	10	1	0
1764	8	307	7	2	1
1765	11	785	12	0	0
1766	14	864	10	5	1
1767	13	273	2	2	1
1768	9	790	20	2	12
1769	11	718	15	2	12
1770	9	181	4	1	1
1771	7	458	9	0	1
1772	9	188	4	4	0
1773	8	441	10	7	1
1774	7	442	6	2	1
1775	12	286	4	2	0
1776	9	290	7	5	0
1777	11	1128	11	0	1
1778	10	312	23	2	11
1779	14	553	7	6	1
1780	9	220	2	0	1
1781	8	277	4	1	1
1782	14	130	1	1	1
1783	7	962	9	7	21
1784	15	100	6	3	0
1785	10	931	11	7	11
1786	11	263	4	2	1
1787	10	304	3	2	0
1788	11	587	12	5	0
1789	12	1070	8	3	0
1790	11	856	2	1	11
1791	8	127	4	3	0
1792	10	426	9	0	1
1793	6	571	5	1	27
1794	11	281	6	2	1
1795	12	226	4	1	1
1796	9	176	5	2	1
1797	12	670	5	1	0
1798	12	248	3	1	0
1799	10	140	4	3	0
1800	11	207	6	4	0
1801	8	401	13	0	1
1802	9	158	4	1	1

1803	9	866	18	4	0
1804	11	183	1	0	0
1805	11	282	7	5	1
1806	11	343	12	6	1
1807	10	138	2	1	0
1808	6	118	4	2	0
1809	10	218	7	4	0
1810	11	284	9	4	0
1811	10	239	4	1	1
1812	10	1293	6	0	1
1813	9	1051	6	5	21
1814	10	264	4	2	1
1815	8	264	6	3	1
1816	7	59	6	0	0
1817	6	724	5	1	16
1818	10	144	8	6	1
1819	8	886	12	4	1
1820	8	453	6	0	1
1821	12	274	5	1	1
1822	13	105	3	1	0
1823	8	0	0	0	0
1824	11	1155	11	2	1
1825	9	466	7	0	1
1826	9	173	5	2	1
1827	10	122	7	5	0
1828	9	174	5	3	1
1829	11	266	4	3	1
1830	9	260	12	1	11
1831	7	142	7	5	0
1832	7	238	4	0	0
1833	11	611	18	0	1
1834	12	491	18	3	9
1835	9	202	16	4	11
1836	11	380	1	1	7
1837	8	269	5	2	0
1838	11	467	5	0	1
1839	11	592	13	0	1
1840	9	393	3	1	1
1841	6	892	12	7	1
1842	7	322	1	0	1
1843	10	172	4	0	1
1844	9	601	7	4	12
1845	7	568	16	3	9
1846	9	1147	24	2	15
1847	10	312	7	4	1
1848	11	533	14	4	1
1849	12	615	2	0	1
1850	9	186	4	2	1
1851	9	186	10	2	5
1852	9	654	5	1	1
1853	8	480	7	2	1
1854	10	2541	9	7	1
1855	10	322	6	4	0
1856	11	201	1	0	1

1857	11	344	8	0	0
1858	7	574	6	5	0
1859	10	427	4	2	1
1860	11	1130	33	24	0
1861	10	170	3	2	5
1862	10	216	12	2	0
1863	11	959	3	2	0
1864	12	320	2	0	9
1865	8	199	1	0	1
1866	11	397	3	2	1
1867	9	284	5	3	1
1868	9	708	11	6	1
1869	7	653	12	8	8
1870	14	182	3	3	1
1871	8	86	6	1	4
1872	10	309	9	0	1
1873	10	619	8	6	1
1874	15	206	4	3	1
1875	9	336	3	2	1
1876	9	2258	29	2	11
1877	10	131	6	5	0
1878	10	315	6	2	1
1879	11	1063	4	4	11
1880	10	172	1	0	1
1881	11	289	4	3	0
1882	7	82	4	1	0
1883	10	101	5	3	1
1884	8	377	4	1	1
1885	8	205	5	2	1
1886	9	286	7	6	1
1887	10	138	3	0	0
1888	8	175	4	3	1
1889	9	434	4	4	12
1890	9	804	17	0	1
1891	9	329	11	0	1
1892	8	562	9	0	0
1893	13	120	4	2	0
1894	8	858	24	3	1
1895	7	537	7	0	1
1896	12	263	1	1	1
1897	8	2476	42	11	1
1898	10	316	4	1	1
1899	9	135	5	2	0
1900	6	560	13	4	1
1901	11	680	11	0	0
1902	10	210	8	3	0
1903	7	252	3	0	1
1904	6	354	9	0	1
1905	8	194	5	2	1
1906	9	480	4	3	17
1907	9	111	3	2	1
1908	12	553	5	2	1
1909	9	828	9	0	1
1910	10	494	6	5	1

1911	11	368	5	5	0
1912	10	295	3	1	1
1913	10	211	4	2	1
1914	11	330	3	0	1
1915	13	116	4	1	0
1916	9	215	9	4	0
1917	12	486	4	1	1
1918	11	215	4	2	5
1919	8	464	4	0	0
1920	11	446	10	0	1
1921	12	243	6	2	0
1922	7	171	5	2	1
1923	13	171	3	3	0
1924	7	345	39	1	1
1925	8	0	0	0	4
1926	9	143	4	2	1
1927	11	441	5	3	1
1928	9	303	7	1	1
1929	8	422	43	1	1
1930	8	334	6	0	1
1931	10	322	5	2	0
1932	9	757	16	2	8
1933	11	501	9	0	1
1934	9	586	6	0	1
1935	14	879	19	4	12
1936	9	296	34	2	11
1937	10	189	15	2	10
1938	11	861	15	8	1
1939	11	241	16	3	11
1940	13	89	0	0	0
1941	7	68	3	0	0
1942	5	314	8	2	1
1943	8	127	4	3	0
1944	11	335	26	2	1
1945	13	1176	23	12	1
1946	8	211	9	5	0
1947	13	436	3	3	0
1948	8	793	12	2	1
1949	7	1573	8	0	1
1950	10	311	4	3	1
1951	9	788	20	18	11
1952	9	210	3	1	1
1953	9	202	9	0	0
1954	8	574	4	1	6
1955	9	539	10	5	8
1956	12	192	5	2	0
1957	9	214	6	1	0
1958	13	580	8	0	1
1959	9	1619	63	55	1
1960	13	232	3	1	1
1961	13	378	17	2	1
1962	9	175	1	1	0
1963	9	253	7	3	0
1964	10	1045	26	2	1

1965	11	246	3	1	0
1966	9	418	19	3	10
1967	11	153	9	0	10
1968	16	178	3	1	0
1969	10	126	3	2	0
1970	10	1618	31	3	1
1971	11	151	5	1	0
1972	9	1147	17	5	1
1973	6	746	21	13	11
1974	11	1189	11	0	1
1975	13	285	10	4	1
1976	8	1047	29	6	24
1977	12	297	21	2	15
1978	10	323	6	4	1
1979	11	72	3	1	0
1980	10	412	11	5	5
1981	8	395	4	2	1
1982	9	863	33	31	30
1983	9	850	1	1	24
1984	11	1444	2	2	24
1985	9	682	7	2	9
1986	9	0	0	0	23
1987	12	526	7	3	7
1988	7	247	4	0	0
1989	11	907	20	2	24
1990	7	1170	22	0	1
1991	8	54	1	1	0
1992	10	353	6	4	0
1993	7	679	5	5	24
1994	8	717	11	2	6
1995	14	222	6	3	0
1996	12	838	10	3	8
1997	9	163	3	0	0
1998	9	496	7	3	7
1999	11	600	25	18	8
2000	10	129	9	4	0
2001	7	614	3	2	1
2002	11	295	4	0	1
2003	9	48	4	3	0
2004	10	867	27	3	11
2005	10	191	3	0	1
2006	13	290	6	3	1
2007	12	333	11	3	1
2008	15	113	5	3	0
2009	12	264	1	1	1
2010	8	300	7	4	0
2011	6	1684	8	3	20
2012	8	626	9	8	1
2013	12	972	3	1	21
2014	8	235	4	3	0
2015	12	0	0	0	0
2016	8	1308	4	1	0
2017	9	227	2	2	1
2018	12	153	3	0	1

2019	8	458	8	5	1
2020	7	1063	15	0	1
2021	9	394	9	0	1
2022	10	707	7	2	1
2023	9	313	4	1	1
2024	10	93	4	3	0
2025	6	150	8	3	1
2026	7	188	4	1	1
2027	7	367	9	6	1
2028	6	446	16	0	1
2029	8	106	2	1	0
2030	12	94	4	3	0
2031	11	372	9	7	1
2032	8	706	6	4	0
2033	7	973	23	4	24
2034	7	386	7	6	1
2035	8	374	2	0	1
2036	12	1069	15	4	24
2037	12	143	1	0	0
2038	13	869	3	2	0
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61	0	4.778320	10
62	0	4.256303	9
63	0	4.655140	7
64	0	4.362851	9
65	0	4.655721	9
66	0	4.081886	8
67	1	4.808765	9
68	0	5.239748	5
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70	0	4.733945	6
71	0	4.578947	7
72	0	4.460870	10
73	0	5.013544	6
74	0	4.435780	10
75	0	4.696356	8
76	0	4.909091	8
77	1	4.471910	10
78	1	4.393964	7
79	0	4.790366	6
80	0	4.381944	6
81	0	4.980676	6
82	0	4.477612	10
83	0	4.608541	4
84	0	5.084168	10
85	0	4.858209	10
86	0	4.673514	8
87	0	4.850575	7
88	0	4.578431	10
89	1	4.343234	5
90	0	4.736737	7
91	0	4.582591	7
92	0	4.702179	6
93	0	4.361111	7
94	0	4.657444	6
95	0	4.501631	8
96	0	4.850622	5
97	0	4.678571	9
98	0	4.609277	8
99	0	4.637990	8
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106	0	4.151852	10
107	0	4.300585	8
108	0	4.551570	6
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112	0	4.635193	4
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114	1	4.419394	8
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116	0	4.353612	10
117	0	4.529915	5
118	0	4.274566	6
119	0	4.694505	9
120	0	4.518519	8
121	0	4.733766	4
122	0	5.097872	10
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126	0	4.450000	6
127	11	4.259259	10
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129	0	4.852713	9
130	3	4.625984	10
131	0	4.427673	7
132	0	4.755440	9
133	0	4.616505	7
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135	0	4.746524	9
136	1	4.457917	7
137	1	4.765244	8
138	1	4.558719	7
139	0	4.983240	6
140	0	4.760618	10
141	0	4.710653	5
142	0	4.632206	6
143	0	4.652439	3
144	0	4.981132	6
145	0	4.431884	4
146	1	4.659420	6
147	0	4.810458	7
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152	0	4.542169	5
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158	0	4.787879	6
159	0	5.032258	5
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164	0	4.758410	7
165	0	4.847769	6
166	0	4.493151	10
167	0	4.575758	4
168	0	4.641176	10
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171	0	4.569767	9
172	0	4.695829	10
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190	0	4.847305	6
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193	0	4.763231	5
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195	0	4.564014	7
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222	1	4.193750	8
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249	0	4.722672	8
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285	7	4.666667	9
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291	0	4.615103	10
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293	11	4.194444	7
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295	0	4.951220	7
296	0	5.220588	6
297	0	4.343478	5
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342	0	4.732500	6
343	10	4.430108	10
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369	1	4.543147	5
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374	0	4.757246	8
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385	1	4.201923	5
386	0	4.452722	6
387	0	4.692780	6
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395	0	4.745550	10
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397	0	4.511848	10
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408	0	5.177536	6
409	0	4.651482	7
410	21	4.438462	6
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413	0	4.322314	5
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1920	0	4.603139	8
1921	0	4.345679	7
1922	0	5.134503	10
1923	1	4.005848	6
1924	0	5.626087	5
1925	0	0.000000	7
1926	0	4.958042	6
1927	1	4.362812	10
1928	8	4.904290	6
1929	0	4.620853	7
1930	0	4.772455	8
1931	1	4.366460	7
1932	0	4.484808	7
1933	0	4.698603	7
1934	0	4.319113	7
1935	0	4.538111	9
1936	0	4.861486	7
1937	1	4.761905	7

1938	0	4.480836	10
1939	0	4.535270	8
1940	1	4.112360	7
1941	0	5.382353	7
1942	0	4.828025	4
1943	1	4.346457	4
1944	0	5.068657	9
1945	0	4.534014	6
1946	1	4.412322	9
1947	0	4.983945	8
1948	0	4.807062	9
1949	0	4.657343	6
1950	1	4.244373	6
1951	0	4.501269	5
1952	2	4.861905	5
1953	0	4.559406	10
1954	0	4.219512	5
1955	0	4.508349	8
1956	1	4.484375	8
1957	0	4.883178	10
1958	0	4.675862	7
1959	0	4.822112	10
1960	0	5.012931	4
1961	0	4.650794	7
1962	7	4.308571	7
1963	0	4.936759	10
1964	0	4.855502	10
1965	0	4.902439	7
1966	1	4.629187	6
1967	0	4.758170	9
1968	2	4.286517	6
1969	0	4.587302	9
1970	0	4.953028	10
1971	0	4.655629	7
1972	0	4.192677	7
1973	0	4.636729	7
1974	0	4.647603	9
1975	0	4.291228	8
1976	1	4.824260	9
1977	0	5.414141	10
1978	0	4.495356	8
1979	0	4.958333	10
1980	1	4.983010	10
1981	0	4.427848	8
1982	0	4.584009	9
1983	0	4.484706	5
1984	0	4.532548	4
1985	0	4.599707	6
1986	0	0.000000	10
1987	0	4.441065	9
1988	0	5.251012	9
1989	0	4.748622	7
1990	0	4.535897	10
1991	1	4.740741	10

1992	1	4.549575	7
1993	0	4.572901	7
1994	0	4.246862	10
1995	0	4.662162	10
1996	0	4.500000	5
1997	2	4.607362	8
1998	0	4.580645	10
1999	0	4.781667	8
2000	0	4.457364	6
2001	10	4.612378	9
2002	0	4.477966	6
2003	0	4.958333	9
2004	1	4.786621	9
2005	0	4.670157	7
2006	0	4.620690	5
2007	0	4.705706	4
2008	0	4.566372	9
2009	0	4.200758	8
2010	0	4.663333	9
2011	1	4.427553	7
2012	0	4.656550	6
2013	0	4.466049	6
2014	0	4.421277	7
2015	1	0.000000	8
2016	34	4.296636	7
2017	0	4.506608	6
2018	0	4.450980	6
2019	0	5.275109	7
2020	0	4.997178	6
2021	0	4.916244	10
2022	0	4.594059	7
2023	0	4.581470	4
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2035	0	4.521390	8
2036	0	4.600561	10
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2040	0	4.649547	6
2041	1	4.496855	7
2042	0	5.195489	8
2043	1	4.903084	6
2044	0	4.669856	4
2045	0	4.494118	6

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2047	0	5.349933	8
2048	0	4.905714	9
2049	1	4.662577	6
2050	0	4.690860	7
2051	0	4.755682	8
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2053	0	5.280488	7
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2055	0	4.633205	6
2056	0	4.840909	5
2057	0	4.880903	4
2058	0	4.581897	6
2059	0	4.781145	9
2060	0	4.121795	6
2061	0	4.530278	6
2062	0	5.228916	5
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2064	0	4.449580	6
2065	0	4.914127	8
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2076	0	5.221294	7
2077	0	4.642405	6
2078	0	4.347942	5
2079	0	4.592391	4
2080	0	4.661626	6
2081	0	4.904639	4
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2093	0	5.051813	5
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2095	1	4.636905	8
2096	1	4.369565	9
2097	0	4.531707	9
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2103	12	4.372881	6
2104	1	4.540698	5
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2106	1	4.889680	4
2107	3	4.614286	10
2108	2	4.946588	10
2109	0	4.997050	10
2110	0	4.143902	9
2111	0	4.553672	8
2112	0	4.936585	4
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2114	0	4.795082	5
2115	0	5.151579	8
2116	0	4.796537	7
2117	0	5.364885	8
2118	0	4.702614	6
2119	0	4.763889	9
2120	0	4.703704	9
2121	0	4.601626	9
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2126	0	5.024528	6
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2129	0	4.229167	8
2130	1	4.305263	6
2131	0	4.875752	6
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2135	0	4.767932	5
2136	0	4.689098	6
2137	0	4.413915	8
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2142	0	4.365672	7
2143	0	4.948235	5
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2145	1	5.006135	7
2146	1	4.306548	6
2147	0	4.352349	10
2148	0	4.569132	8
2149	0	4.657025	5
2150	0	4.705202	7
2151	0	4.343820	5
2152	0	4.636121	8
2153	0	4.666667	4

2154	0	4.758865	4
2155	0	4.746269	7
2156	17	4.406040	6
2157	0	4.840909	6
2158	0	5.032727	9
2159	0	4.236842	6
2160	1	4.482353	5
2161	0	4.774704	5
2162	1	4.657303	4
2163	0	4.931596	8
2164	0	4.777351	8
2165	0	4.759717	6
2166	0	4.637405	5
2167	0	4.132420	7
2168	0	4.540268	8
2169	0	4.574803	7
2170	0	4.521739	9
2171	0	4.509091	7
2172	0	4.915789	7
2173	1	4.798419	7
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2175	0	4.308642	6
2176	0	6.308411	8
2177	0	4.672096	4
2178	0	4.604198	5
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2180	0	4.624277	7
2181	1	4.679012	6
2182	1	4.863807	7
2183	0	4.538912	7
2184	1	4.540302	8
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2187	0	4.785408	7
2188	12	4.621195	8
2189	0	4.539354	10
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2193	10	4.642217	6
2194	0	4.727799	6
2195	0	4.645427	10
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2198	0	5.057906	5
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2204	1	4.576408	8
2205	0	4.655375	9
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2210	0	4.440493	8
2211	0	4.801105	5
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2213	0	4.405263	8
2214	0	4.530249	8
2215	5	4.688995	10
2216	0	4.490566	8
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2220	1	4.951220	8
2221	0	4.957295	10
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2223	1	4.880000	8
2224	1	4.495349	8
2225	0	4.647815	8
2226	1	4.624464	9
2227	0	4.649746	10
2228	0	4.200586	10
2229	0	5.076923	6
2230	1	4.105263	5
2231	1	4.166667	10
2232	1	4.361842	6
2233	21	4.209726	6
2234	0	4.465863	5
2235	0	4.712644	7
2236	0	5.018051	6
2237	1	4.632332	9
2238	0	4.808824	5
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2240	0	3.925000	6
2241	0	4.588050	4
2242	0	4.723502	6
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2245	0	4.514834	7
2246	0	5.040248	9
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2248	0	4.770449	7
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2250	0	4.378049	9
2251	0	5.006723	10
2252	0	4.699060	5
2253	19	4.532432	6
2254	0	4.295630	4
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2257	1	4.765668	10
2258	0	4.660714	10
2259	0	4.159091	6
2260	1	4.371134	7
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2267	0	4.459357	6
2268	1	4.626335	8
2269	0	4.477387	4
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2280	0	4.725490	10
2281	0	4.793103	6
2282	1	5.062500	10
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2285	0	4.655963	8
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2522	0	4.744253	10
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2524	1	4.500000	6
2525	1	4.503106	7
2526	11	4.587455	6
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613	0	5400
614	0	756

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617	0	2400
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622	1	998
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624	0	1900
625	0	919
626	0	51900
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633	0	885
634	0	0
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636	1	8400
637	0	201
638	0	1200
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644	0	1700
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663	0	6400
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667	0	1500
668	0	2000

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683	0	998
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691	0	513
692	1	0
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694	0	1800
695	0	2100
696	0	2400
697	1	0
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699	0	1800
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705	0	33100
706	0	866
707	0	671
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713	0	1200
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715	0	0
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717	0	0
718	0	1100
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782	1	0
783	0	1700
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785	0	2500
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788	1	0
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855	0	2300
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862	0	0
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866	0	3700
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872	0	1800
873	0	1900
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875	1	1700
876	0	1800
877	1	0
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879	0	473
880	1	0
881	0	1200
882	0	661
883	0	0
884	1	1100

885	0	606
886	0	2400
887	0	0
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891	0	0
892	0	1600
893	0	712
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896	0	577
897	0	1300
898	0	924
899	0	1000
900	0	0
901	0	297
902	0	790
903	1	1200
904	0	533
905	1	0
906	0	2100
907	0	0
908	0	1400
909	0	2100
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912	0	5000
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920	0	3400
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937	0	11900
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946	0	1600
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977	0	1400
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980	0	1800
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987	0	1700
988	0	0
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991	1	929
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998	0	1700
999	0	0
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1002	0	752
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1005	0	1000
1006	0	2200
1007	0	9500
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1010	0	0
1011	0	371
1012	0	371
1013	0	0
1014	0	0
1015	0	14600
1016	0	0
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1019	0	0
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1051	0	0
1052	1	2400
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1057	0	0
1058	0	0
1059	0	2800
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1063	0	0
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1066	0	9700
1067	0	1000
1068	0	2
1069	0	2100
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1086	0	0
1087	0	0
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1089	0	1600
1090	0	537
1091	0	0
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1095	1	2100
1096	1	10200
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1099	0	603
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1103	0	1800
1104	0	537
1105	0	17300
1106	0	0
1107	1	2100
1108	0	2700
1109	0	2400
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1113	0	2400
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1124	0	0
1125	0	7800
1126	0	22800
1127	0	0
1128	0	475
1129	0	1300
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1157	0	1400
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1163	0	0
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1176	0	4900
1177	0	7700
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1193	0	0
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1197	1	482
1198	0	1400
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1200	0	1400
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1340	0	1100
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1367	0	4200
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1394	0	0
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1471	0	2300
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1477	0	545
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1481	0	1100
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1586	0	1500

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1609	0	2000
1610	0	1600
1611	0	1600
1612	0	2000
1613	0	835
1614	1	0
1615	0	0
1616	0	1200
1617	0	786
1618	0	1500
1619	0	0
1620	0	0
1621	0	651
1622	0	2500
1623	0	1500
1624	0	0
1625	1	0
1626	1	0
1627	0	1000
1628	0	0
1629	0	4500
1630	0	559
1631	0	820
1632	0	1200
1633	0	0
1634	0	0
1635	0	22800
1636	1	886
1637	0	0
1638	0	0
1639	1	0
1640	1	1900

1641	1	386
1642	0	1300
1643	0	4200
1644	1	583
1645	0	0
1646	0	2500
1647	0	0
1648	0	0
1649	0	2000
1650	0	7200
1651	0	2000
1652	0	1600
1653	0	2000
1654	0	0
1655	0	1300
1656	0	2100
1657	1	1100
1658	0	0
1659	0	739
1660	0	1200
1661	0	2600
1662	0	0
1663	0	11900
1664	0	536
1665	0	0
1666	0	0
1667	0	1000
1668	0	0
1669	0	723
1670	0	0
1671	0	1400
1672	0	136
1673	0	578
1674	1	577
1675	0	2700
1676	0	4300
1677	0	2100
1678	0	1900
1679	0	11900
1680	1	0
1681	1	0
1682	0	0
1683	0	9700
1684	0	952
1685	0	1300
1686	0	884
1687	0	0
1688	0	274
1689	0	3700
1690	0	0
1691	0	3900
1692	0	559
1693	0	1300
1694	0	0

1695	0	0
1696	1	386
1697	0	2000
1698	0	965
1699	0	9800
1700	0	1600
1701	0	1700
1702	1	0
1703	1	6900
1704	0	1500
1705	0	1200
1706	0	9200
1707	1	0
1708	0	1300
1709	1	0
1710	0	1100
1711	0	0
1712	0	0
1713	0	0
1714	0	555
1715	0	1100
1716	0	0
1717	0	518
1718	0	1700
1719	1	0
1720	0	60300
1721	0	0
1722	0	1100
1723	0	0
1724	0	0
1725	0	2000
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1727	0	0
1728	0	1000
1729	0	0
1730	0	2000
1731	0	1300
1732	0	1000
1733	0	0
1734	0	0
1735	0	706
1736	0	476
1737	0	782
1738	1	0
1739	0	1600
1740	0	0
1741	0	3000
1742	0	0
1743	0	2100
1744	0	0
1745	0	739
1746	0	3000
1747	0	1900
1748	0	2300

1749	0	2100
1750	1	0
1751	0	1100
1752	0	836
1753	0	5900
1754	0	0
1755	0	30000
1756	0	1500
1757	0	1900
1758	0	963
1759	0	2000
1760	0	5700
1761	0	839
1762	0	1200
1763	0	6900
1764	1	2100
1765	1	0
1766	0	3300
1767	0	0
1768	0	527
1769	0	2800
1770	0	0
1771	0	0
1772	0	369
1773	0	879
1774	1	10800
1775	0	22800
1776	0	902
1777	1	0
1778	0	1500
1779	0	3900
1780	0	0
1781	0	0
1782	0	0
1783	0	592
1784	0	571
1785	0	1500
1786	0	3900
1787	0	1100
1788	0	537
1789	0	3300
1790	0	3300
1791	0	2800
1792	0	0
1793	0	0
1794	1	933
1795	0	2000
1796	0	795
1797	0	5700
1798	1	7600
1799	0	606
1800	0	718
1801	0	0
1802	0	1900

1803	0	1000
1804	0	0
1805	0	1600
1806	0	890
1807	0	1600
1808	0	4700
1809	0	95900
1810	0	2000
1811	0	6000
1812	0	0
1813	0	1800
1814	0	1300
1815	0	0
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1817	1	1500
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1819	0	3200
1820	0	0
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1822	0	0
1823	1	0
1824	0	0
1825	0	0
1826	0	799
1827	0	718
1828	0	1100
1829	0	2600
1830	0	3000
1831	0	0
1832	0	0
1833	0	0
1834	0	2200
1835	0	57600
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1839	0	0
1840	0	0
1841	0	1400
1842	0	0
1843	1	0
1844	0	1300
1845	0	1300
1846	0	11900
1847	0	0
1848	0	2100
1849	0	0
1850	1	532
1851	0	784
1852	1	4800
1853	0	1200
1854	0	537
1855	0	3300
1856	0	0

1857	0	0
1858	0	1200
1859	0	2700
1860	0	469
1861	0	990
1862	0	0
1863	0	0
1864	0	0
1865	0	0
1866	0	419
1867	0	0
1868	1	1300
1869	0	502
1870	0	874
1871	0	2200
1872	1	0
1873	0	950
1874	0	2900
1875	0	1900
1876	1	2700
1877	0	881
1878	0	0
1879	0	601
1880	0	0
1881	0	22800
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1883	0	1300
1884	0	0
1885	0	1300
1886	0	914
1887	0	0
1888	0	3400
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1890	1	0
1891	1	0
1892	0	0
1893	0	1300
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1895	0	0
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1900	1	2300
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1902	0	1700
1903	1	0
1904	0	0
1905	0	1700
1906	0	654
1907	0	1800
1908	0	0
1909	1	0
1910	0	2100

1911	0	2900
1912	0	0
1913	0	1100
1914	1	0
1915	0	3400
1916	0	1000
1917	0	0
1918	0	0
1919	0	0
1920	1	0
1921	1	2800
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1923	0	929
1924	0	0
1925	0	0
1926	0	803
1927	0	967
1928	0	0
1929	1	0
1930	0	0
1931	0	622
1932	0	11900
1933	1	0
1934	0	0
1935	0	11000
1936	0	3400
1937	0	1900
1938	0	2100
1939	0	30400
1940	0	0
1941	0	0
1942	0	0
1943	0	11400
1944	0	978
1945	0	647
1946	0	488
1947	0	1600
1948	0	797
1949	0	0
1950	0	790
1951	1	56
1952	1	0
1953	0	0
1954	0	1400
1955	0	1400
1956	0	0
1957	1	1900
1958	1	0
1959	0	701
1960	1	0
1961	0	2000
1962	0	4000
1963	0	8000
1964	0	9500

1965	0	1100
1966	1	790
1967	1	0
1968	0	0
1969	0	0
1970	0	1100
1971	0	0
1972	0	2400
1973	0	827
1974	0	0
1975	0	4500
1976	0	881
1977	0	2000
1978	0	2000
1979	0	0
1980	0	1800
1981	0	1700
1982	0	191
1983	0	898
1984	0	898
1985	0	898
1986	0	0
1987	0	16200
1988	0	0
1989	0	0
1990	0	0
1991	0	0
1992	0	3300
1993	0	1800
1994	0	1300
1995	0	1800
1996	0	1400
1997	0	0
1998	0	1400
1999	0	1200
2000	0	1700
2001	0	2400
2002	0	0
2003	0	6100
2004	0	1300
2005	0	0
2006	0	2900
2007	0	0
2008	0	1700
2009	0	3200
2010	0	0
2011	0	622
2012	0	1200
2013	0	469
2014	0	612
2015	0	0
2016	0	1900
2017	0	990
2018	1	0

2019	1	386
2020	0	0
2021	1	0
2022	0	2000
2023	0	1300
2024	0	2300
2025	0	1200
2026	0	0
2027	0	0
2028	0	0
2029	0	2300
2030	0	635
2031	0	3300
2032	0	1800
2033	0	1800
2034	0	640
2035	0	0
2036	0	2900
2037	0	0
2038	0	985
2039	0	13600
2040	0	852
2041	0	537
2042	0	2900
2043	0	537
2044	0	571
2045	1	4900
2046	0	4600
2047	0	0
2048	0	1400
2049	0	1700
2050	1	0
2051	0	0
2052	0	0
2053	1	712
2054	1	1200
2055	1	6100
2056	0	5800
2057	0	5800
2058	0	1500
2059	0	908
2060	0	7800
2061	1	1200
2062	0	3200
2063	1	6100
2064	0	0
2065	1	0
2066	0	760
2067	0	982
2068	0	1300
2069	0	4100
2070	0	1100
2071	1	2400
2072	0	940

2073	0	1300
2074	1	386
2075	0	2500
2076	0	5400
2077	1	402
2078	0	2200
2079	0	10500
2080	1	739
2081	0	858
2082	0	0
2083	0	3200
2084	0	1800
2085	0	1500
2086	0	4200
2087	0	1600
2088	0	105
2089	0	0
2090	0	1700
2091	1	0
2092	0	0
2093	0	4400
2094	0	1200
2095	0	0
2096	1	952
2097	0	1200
2098	0	1400
2099	1	1100
2100	0	2600
2101	0	1700
2102	0	0
2103	0	1100
2104	0	0
2105	0	0
2106	0	3700
2107	0	51900
2108	0	3500
2109	0	741
2110	0	1600
2111	0	0
2112	0	6400
2113	0	0
2114	0	632
2115	0	0
2116	1	2700
2117	1	1700
2118	1	0
2119	1	0
2120	1	6000
2121	0	4200
2122	0	1100
2123	0	0
2124	0	1800
2125	0	0
2126	0	0

2127	0	0
2128	0	39200
2129	0	1500
2130	0	1100
2131	0	1000
2132	0	0
2133	0	0
2134	0	990
2135	0	0
2136	0	1100
2137	1	0
2138	0	0
2139	0	0
2140	0	726
2141	0	3200
2142	0	0
2143	0	11900
2144	1	3200
2145	0	0
2146	0	1000
2147	0	11000
2148	0	1400
2149	0	1900
2150	0	66900
2151	0	1300
2152	0	788
2153	0	0
2154	0	1800
2155	0	18400
2156	0	3400
2157	1	0
2158	1	0
2159	0	0
2160	0	9100
2161	0	0
2162	0	3200
2163	0	10300
2164	0	1700
2165	0	0
2166	0	0
2167	0	2600
2168	0	0
2169	0	0
2170	0	869
2171	0	2000
2172	0	1300
2173	0	1100
2174	0	816
2175	0	0
2176	0	2200
2177	0	721
2178	0	1100
2179	0	0
2180	0	0

2181	0	2500
2182	0	3500
2183	0	294
2184	0	1600
2185	0	1500
2186	0	1300
2187	0	651
2188	0	1300
2189	0	1400
2190	0	0
2191	0	902
2192	0	855
2193	0	2200
2194	0	0
2195	0	0
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2197	0	59400
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2200	0	2200
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2202	0	0
2203	0	923
2204	0	0
2205	0	0
2206	0	9200
2207	0	0
2208	0	0
2209	0	1500
2210	0	0
2211	0	744
2212	0	1200
2213	0	0
2214	0	1400
2215	0	744
2216	0	1600
2217	0	2500
2218	0	1300
2219	0	791
2220	1	0
2221	0	8100
2222	0	1200
2223	0	0
2224	0	2100
2225	0	780
2226	0	1300
2227	0	0
2228	0	2400
2229	0	2000
2230	0	4500
2231	0	1100
2232	0	1300
2233	0	1100
2234	0	0

2235	0	1100
2236	0	1400
2237	0	13900
2238	0	2400
2239	0	2400
2240	0	0
2241	0	480
2242	0	0
2243	1	3800
2244	0	39400
2245	0	3000
2246	0	0
2247	0	4200
2248	0	0
2249	0	773
2250	0	0
2251	0	0
2252	0	0
2253	0	4400
2254	0	4400
2255	0	0
2256	1	0
2257	0	0
2258	0	987
2259	0	0
2260	0	4400
2261	0	639
2262	0	0
2263	0	712
2264	1	0
2265	0	0
2266	0	0
2267	0	4400
2268	0	0
2269	0	1500
2270	0	2900
2271	0	537
2272	0	0
2273	0	2000
2274	0	0
2275	0	0
2276	0	1500
2277	0	2100
2278	0	635
2279	0	1400
2280	1	717
2281	1	596
2282	0	1100
2283	0	937
2284	1	0
2285	0	1600
2286	0	3800
2287	0	706
2288	0	1000

2289	0	712
2290	0	10300
2291	0	7400
2292	0	15700
2293	0	723
2294	1	1000
2295	0	2200
2296	0	1000
2297	0	0
2298	1	596
2299	0	0
2300	0	0
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2302	0	1300
2303	0	2800
2304	1	0
2305	0	0
2306	0	2900
2307	0	4500
2308	0	0
2309	0	0
2310	1	967
2311	0	13600
2312	0	0
2313	1	1200
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2315	0	1700
2316	0	1800
2317	0	2000
2318	1	532
2319	0	2900
2320	0	0
2321	0	11100
2322	0	3100
2323	0	0
2324	0	2200
2325	0	0
2326	1	0
2327	0	2000
2328	0	0
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2330	1	1700
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2335	0	0
2336	0	1400
2337	0	5600
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2339	0	1200
2340	0	599
2341	0	1100
2342	0	0

2343	0	3400
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2345	0	0
2346	0	1300
2347	0	1700
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2349	0	0
2350	0	19800
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2352	1	11700
2353	0	11400
2354	0	7100
2355	0	1400
2356	0	1500
2357	0	0
2358	0	3600
2359	0	0
2360	0	1400
2361	1	0
2362	1	1600
2363	1	827
2364	1	11100
2365	0	0
2366	0	0
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2368	0	8600
2369	0	2000
2370	1	0
2371	0	0
2372	0	0
2373	0	2800
2374	0	1200
2375	1	827
2376	1	1300
2377	0	2200
2378	0	0
2379	1	11100
2380	0	2200
2381	0	923
2382	1	0
2383	0	0
2384	0	4100
2385	0	4000
2386	0	398
2387	0	0
2388	0	0
2389	0	3200
2390	0	742
2391	0	2300
2392	0	0
2393	1	827
2394	1	2300
2395	0	638
2396	0	0

2397	0	0
2398	0	923
2399	0	2600
2400	0	0
2401	0	742
2402	0	0
2403	0	1900
2404	0	849
2405	0	0
2406	0	0
2407	0	1100
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2409	0	578
2410	0	25
2411	1	549
2412	0	0
2413	0	527
2414	0	461
2415	0	1400
2416	0	859
2417	0	739
2418	0	191
2419	0	0
2420	0	761
2421	0	2500
2422	0	2000
2423	0	1900
2424	0	1300
2425	0	0
2426	0	4700
2427	0	915
2428	0	1700
2429	0	382
2430	0	456
2431	0	2000
2432	0	23700
2433	0	0
2434	0	5700
2435	0	0
2436	0	9400
2437	0	4100
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2440	0	1600
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2446	0	0
2447	0	639
2448	0	2800
2449	0	790
2450	0	6500

2451	0	0
2452	0	4000
2453	0	0
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2455	0	0
2456	0	464
2457	0	3600
2458	0	0
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2460	0	564
2461	1	386
2462	0	4300
2463	0	1700
2464	0	854
2465	0	0
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2467	0	1900
2468	0	1400
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2471	0	840
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2474	0	716
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2476	0	583
2477	0	494
2478	0	14700
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2480	0	0
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2483	0	638
2484	0	638
2485	0	1100
2486	0	7500
2487	0	723
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2500	0	0
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2506	1	3400
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2522	1	16700
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2524	0	9100
2525	0	2800
2526	0	705
2527	0	2700
2528	0	1200
2529	1	0
2530	0	3200
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2532	0	0
2533	0	0
2534	0	1300
2535	0	2600
2536	1	462
2537	1	2100
2538	1	1400
2539	0	979
2540	0	3700
2541	1	0
2542	0	2300
2543	0	593
2544	0	2300
2545	0	0
2546	0	0
2547	0	798
2548	0	0
2549	0	790
2550	0	8000
2551	0	867
2552	0	0
2553	0	2100
2554	0	0
2555	0	896
2556	0	1300
2557	0	1600
2558	0	0

2559	0	0
2560	0	0
2561	0	0
2562	1	1100
2563	0	0
2564	1	0

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1	496	496.0000
2	0	0.0000
3	918	918.0000
4	0	0.0000
5	16000	3151.1579
6	8500	8500.0000
7	16000	3151.1579
8	16000	3151.1579
9	0	0.0000
10	0	0.0000
11	0	0.0000
12	0	0.0000
13	16200	13450.0000
14	22800	11785.0000
15	4800	4800.0000
16	0	0.0000
17	14000	3904.6250
18	0	0.0000
19	5000	5000.0000
20	16000	2829.5417
21	16000	3151.1579
22	704	704.0000
23	16000	3151.1579
24	16100	16100.0000
25	2800	2800.0000
26	924	924.0000
27	2500	2500.0000
28	16000	3035.6500
29	0	0.0000
30	0	0.0000
31	6100	6100.0000
32	0	0.0000
33	0	0.0000
34	0	0.0000
35	0	0.0000
36	6200	6200.0000
37	18200	3713.1364
38	2500	1775.0000
39	2600	972.4000
40	6300	6300.0000
41	16000	3168.6000
42	0	0.0000
43	16000	2758.7083
44	16000	3151.1579
45	16000	3151.1579
46	0	0.0000
47	16000	3151.1579

48	29200	8260.7500
49	16000	3233.6000
50	16000	3083.6000
51	0	0.0000
52	16000	3151.1579
53	16000	3078.6000
54	0	0.0000
55	16000	3428.6000
56	1900	1900.0000
57	0	0.0000
58	1300	1300.0000
59	1600	997.3333
60	8700	3733.3333
61	16000	3151.1579
62	0	0.0000
63	16000	3151.1579
64	0	0.0000
65	16000	3151.1579
66	545	545.0000
67	0	0.0000
68	3300	1559.5000
69	1500	1300.0000
70	821	821.0000
71	0	0.0000
72	3500	2366.6667
73	0	0.0000
74	3900	3900.0000
75	16000	3151.1579
76	0	0.0000
77	2500	2100.0000
78	4700	2858.4000
79	5400	2795.7000
80	3100	3100.0000
81	0	0.0000
82	727	727.0000
83	951	951.0000
84	1300	1300.0000
85	0	0.0000
86	16000	3151.1579
87	2700	2700.0000
88	0	0.0000
89	20900	20900.0000
90	16000	3151.1579
91	16000	3151.1579
92	527	527.0000
93	0	0.0000
94	6800	2989.0000
95	0	0.0000
96	4400	2691.6667
97	6600	6600.0000
98	16000	3151.1579
99	0	0.0000
100	1100	1100.0000
101	2500	2500.0000

102	16000	3151.1579
103	16000	3151.1579
104	16000	2744.3750
105	0	0.0000
106	0	0.0000
107	0	0.0000
108	16700	11700.0000
109	0	0.0000
110	16000	3095.9524
111	3100	1834.5000
112	2000	2000.0000
113	0	0.0000
114	5800	5000.0000
115	16000	3151.1579
116	0	0.0000
117	2000	1199.8000
118	29900	25200.0000
119	4900	3500.0000
120	0	0.0000
121	10900	4657.6667
122	0	0.0000
123	0	0.0000
124	1300	1300.0000
125	3700	2138.0000
126	1800	1800.0000
127	3800	2365.5000
128	1200	1200.0000
129	0	0.0000
130	5400	5400.0000
131	0	0.0000
132	16000	3368.6000
133	16000	3151.1579
134	0	0.0000
135	16000	3223.6000
136	8300	5100.0000
137	2800	2800.0000
138	1600	1450.0000
139	0	0.0000
140	1600	1600.0000
141	0	0.0000
142	3500	2300.0000
143	10500	10500.0000
144	0	0.0000
145	953	953.0000
146	0	0.0000
147	0	0.0000
148	40000	14600.0000
149	3900	2533.3333
150	2800	2800.0000
151	6000	2760.0000
152	0	0.0000
153	2500	2500.0000
154	0	0.0000
155	1600	1600.0000

156	5000	5000.0000
157	3200	2100.0000
158	16000	3113.6000
159	0	0.0000
160	0	0.0000
161	4700	4700.0000
162	585	585.0000
163	16000	3035.3000
164	16000	3151.1579
165	0	0.0000
166	0	0.0000
167	2700	1601.0000
168	16000	3151.1579
169	0	0.0000
170	3800	3800.0000
171	19300	19300.0000
172	16000	3151.1579
173	1200	1200.0000
174	1100	1045.0000
175	4600	3061.3333
176	5400	1740.5000
177	0	0.0000
178	16000	3613.5455
179	16700	8800.0000
180	1400	853.6667
181	2000	1268.4000
182	3000	1970.0000
183	0	0.0000
184	447	447.0000
185	20700	12500.0000
186	0	0.0000
187	0	0.0000
188	0	0.0000
189	40	40.0000
190	1800	1450.0000
191	22800	14600.0000
192	1500	1269.2500
193	16000	3151.1579
194	16000	2593.0400
195	6300	3233.3333
196	1400	1400.0000
197	13500	13500.0000
198	0	0.0000
199	822	822.0000
200	67700	67700.0000
201	18000	5772.0000
202	0	0.0000
203	2000	1339.5000
204	0	0.0000
205	17700	17700.0000
206	902	902.0000
207	22800	12000.0000
208	16000	3632.6190
209	0	0.0000

210	3100	3100.0000
211	704	704.0000
212	16200	9000.0000
213	4900	2539.5000
214	7600	3029.5455
215	0	0.0000
216	0	0.0000
217	1800	1800.0000
218	0	0.0000
219	2000	1500.0000
220	1100	1100.0000
221	0	0.0000
222	1800	1800.0000
223	3900	2716.6667
224	3300	2333.3333
225	16000	3793.6000
226	0	0.0000
227	16000	3007.3000
228	0	0.0000
229	0	0.0000
230	3700	3500.0000
231	5200	5200.0000
232	2200	1700.0000
233	4700	2242.2500
234	2600	2300.0000
235	7300	7300.0000
236	2000	2000.0000
237	2600	2600.0000
238	19700	9625.0000
239	597	597.0000
240	3500	3500.0000
241	1500	1300.0000
242	0	0.0000
243	0	0.0000
244	928	928.0000
245	0	0.0000
246	1700	1700.0000
247	16000	3178.6000
248	16000	3151.1579
249	0	0.0000
250	0	0.0000
251	0	0.0000
252	7300	4650.0000
253	4500	3500.0000
254	22800	12150.0000
255	586	586.0000
256	3800	3800.0000
257	0	0.0000
258	1200	1200.0000
259	2900	2000.0000
260	0	0.0000
261	5500	2357.1250
262	9300	9300.0000
263	0	0.0000

264	2500	2500.0000
265	22800	11950.0000
266	0	0.0000
267	5300	3566.6667
268	4500	3450.0000
269	16000	2522.0741
270	1700	1700.0000
271	2700	2700.0000
272	7500	7500.0000
273	3600	3600.0000
274	15300	10400.0000
275	2000	1398.5000
276	2400	1512.3333
277	3300	2800.0000
278	2900	2900.0000
279	0	0.0000
280	396	396.0000
281	1600	1600.0000
282	11700	4922.0000
283	5100	5100.0000
284	4300	4300.0000
285	2500	2500.0000
286	1500	1500.0000
287	0	0.0000
288	0	0.0000
289	0	0.0000
290	3600	2233.3333
291	16000	2764.1739
292	16000	3053.6000
293	4100	3833.3333
294	2000	2000.0000
295	0	0.0000
296	0	0.0000
297	38	38.0000
298	16000	3151.1579
299	1400	859.6667
300	16000	3053.6000
301	2500	2500.0000
302	8700	4450.0000
303	0	0.0000
304	1500	1500.0000
305	9300	7300.0000
306	788	757.5000
307	18200	2822.7692
308	0	0.0000
309	1300	1300.0000
310	0	0.0000
311	5800	4350.0000
312	0	0.0000
313	1800	1700.0000
314	3700	3700.0000
315	1000	1000.0000
316	0	0.0000
317	28400	4718.0233

318	1700	1700.0000
319	4600	1541.3333
320	0	0.0000
321	0	0.0000
322	16000	2950.4762
323	0	0.0000
324	16000	3151.1579
325	19000	4072.7273
326	16000	3151.1579
327	4800	4800.0000
328	1000	1000.0000
329	0	0.0000
330	28300	5335.6000
331	16000	3151.1579
332	0	0.0000
333	1500	1366.6667
334	4600	4600.0000
335	0	0.0000
336	2700	2700.0000
337	16000	3022.4762
338	4800	4800.0000
339	1500	1333.3333
340	2000	1575.0000
341	6700	6700.0000
342	2100	2100.0000
343	5800	4350.0000
344	2200	2200.0000
345	1500	1500.0000
346	37400	20050.0000
347	0	0.0000
348	7900	7900.0000
349	39200	39200.0000
350	5500	5500.0000
351	42500	5079.2105
352	0	0.0000
353	1200	1200.0000
354	0	0.0000
355	7300	7300.0000
356	1900	1900.0000
357	7900	7900.0000
358	7900	7900.0000
359	0	0.0000
360	5300	3350.0000
361	2500	1654.5000
362	1900	1900.0000
363	10500	5900.0000
364	0	0.0000
365	0	0.0000
366	18000	5180.0000
367	8600	8600.0000
368	0	0.0000
369	1100	792.5000
370	1600	1600.0000
371	610	610.0000

372	0	0.0000
373	0	0.0000
374	1700	1700.0000
375	2400	2000.0000
376	0	0.0000
377	0	0.0000
378	3600	2400.0000
379	0	0.0000
380	1300	1300.0000
381	0	0.0000
382	0	0.0000
383	0	0.0000
384	1700	1700.0000
385	9100	9100.0000
386	1100	1050.0000
387	1900	1466.6667
388	0	0.0000
389	3400	1777.0000
390	2000	1285.0000
391	1200	1200.0000
392	1400	1300.0000
393	1200	1200.0000
394	2100	1700.0000
395	16000	3008.1905
396	5200	4350.0000
397	4600	2375.0000
398	4600	3666.6667
399	0	0.0000
400	18000	9600.0000
401	4400	4400.0000
402	2800	1289.8000
403	2200	1491.0000
404	0	0.0000
405	2400	2400.0000
406	2300	1950.0000
407	0	0.0000
408	1400	1400.0000
409	0	0.0000
410	22800	11950.0000
411	4000	4000.0000
412	1600	1109.2000
413	0	0.0000
414	1400	992.5000
415	1400	941.0000
416	16000	7300.0000
417	14600	8450.0000
418	1100	1100.0000
419	0	0.0000
420	25200	25200.0000
421	0	0.0000
422	3500	2127.5000
423	2500	1449.7500
424	0	0.0000
425	1500	1115.5000

426	0	0.0000
427	18200	5793.3333
428	3400	2300.0000
429	16900	8825.5000
430	0	0.0000
431	0	0.0000
432	1100	1100.0000
433	7300	7300.0000
434	25200	8782.5000
435	7900	2285.8333
436	0	0.0000
437	9000	4400.0000
438	3400	1756.2000
439	5300	3450.0000
440	3200	3200.0000
441	4500	2130.3750
442	0	0.0000
443	0	0.0000
444	699	699.0000
445	0	0.0000
446	810	810.0000
447	0	0.0000
448	2700	2700.0000
449	7900	4650.0000
450	0	0.0000
451	0	0.0000
452	2500	2500.0000
453	0	0.0000
454	0	0.0000
455	4800	3000.0000
456	2400	2400.0000
457	8900	6500.0000
458	8900	6566.6667
459	8900	8900.0000
460	787	787.0000
461	0	0.0000
462	1200	1200.0000
463	12500	4336.1111
464	8000	8000.0000
465	1600	1600.0000
466	11300	11300.0000
467	1800	1800.0000
468	1200	1200.0000
469	4800	3400.0000
470	0	0.0000
471	6400	6400.0000
472	0	0.0000
473	8900	8900.0000
474	0	0.0000
475	4700	2900.0000
476	0	0.0000
477	0	0.0000
478	33800	33800.0000
479	3100	3100.0000

480	0	0.0000
481	2000	2000.0000
482	0	0.0000
483	0	0.0000
484	0	0.0000
485	2000	2000.0000
486	5100	4025.0000
487	0	0.0000
488	1700	1238.5000
489	2000	1363.5000
490	0	0.0000
491	3800	2400.0000
492	2100	1298.2500
493	811	811.0000
494	3000	2533.3333
495	16000	2914.8333
496	3800	2300.0000
497	0	0.0000
498	2200	1800.0000
499	5400	5400.0000
500	2400	1750.0000
501	0	0.0000
502	8900	7150.0000
503	1500	1500.0000
504	0	0.0000
505	775	775.0000
506	0	0.0000
507	2000	1566.6667
508	33100	17750.0000
509	0	0.0000
510	2500	2500.0000
511	0	0.0000
512	8000	8000.0000
513	1100	779.0000
514	0	0.0000
515	3300	3300.0000
516	1700	1500.0000
517	2400	2400.0000
518	5200	2321.1667
519	0	0.0000
520	6400	5000.0000
521	0	0.0000
522	0	0.0000
523	3700	2166.0000
524	0	0.0000
525	1100	1100.0000
526	4900	4900.0000
527	3900	1349.1429
528	22800	16400.0000
529	3000	2300.0000
530	8600	5250.0000
531	0	0.0000
532	5400	5400.0000
533	8900	5533.3333

534	3400	2396.7500
535	5600	2933.3333
536	4900	4550.0000
537	2100	2100.0000
538	1900	1900.0000
539	2800	2800.0000
540	52900	30200.0000
541	1600	1600.0000
542	0	0.0000
543	3000	3000.0000
544	10100	10100.0000
545	0	0.0000
546	16500	16500.0000
547	0	0.0000
548	0	0.0000
549	0	0.0000
550	504	504.0000
551	2000	2000.0000
552	3000	3000.0000
553	0	0.0000
554	27200	27200.0000
555	2500	2500.0000
556	0	0.0000
557	676	676.0000
558	5300	5300.0000
559	1900	1900.0000
560	1400	1400.0000
561	2900	2900.0000
562	6600	6600.0000
563	2500	2500.0000
564	0	0.0000
565	1200	1200.0000
566	5500	4700.0000
567	1300	1300.0000
568	1000	1000.0000
569	0	0.0000
570	1400	1400.0000
571	0	0.0000
572	25200	25200.0000
573	1600	1600.0000
574	25200	25200.0000
575	3200	3200.0000
576	10500	10500.0000
577	3900	3700.0000
578	535	465.0000
579	0	0.0000
580	25200	11666.6667
581	0	0.0000
582	0	0.0000
583	8000	3750.0000
584	17300	17300.0000
585	7900	7350.0000
586	0	0.0000
587	866	866.0000

588	0	0.0000
589	3600	2166.6667
590	0	0.0000
591	0	0.0000
592	0	0.0000
593	0	0.0000
594	0	0.0000
595	0	0.0000
596	3800	3800.0000
597	1900	1900.0000
598	0	0.0000
599	0	0.0000
600	12200	6850.0000
601	8900	5500.0000
602	3400	2650.0000
603	3600	3600.0000
604	0	0.0000
605	2400	2400.0000
606	0	0.0000
607	2800	1381.1250
608	0	0.0000
609	0	0.0000
610	3900	2775.0000
611	14600	14600.0000
612	2900	1922.0000
613	5400	5400.0000
614	756	756.0000
615	0	0.0000
616	4200	3800.0000
617	8200	4275.0000
618	0	0.0000
619	927	901.0000
620	3200	3200.0000
621	6100	3550.0000
622	998	998.0000
623	8100	3633.3333
624	1900	1900.0000
625	919	919.0000
626	51900	51900.0000
627	2500	2500.0000
628	1400	1300.0000
629	5400	1987.0000
630	0	0.0000
631	0	0.0000
632	0	0.0000
633	4400	2221.2500
634	0	0.0000
635	752	752.0000
636	8900	8650.0000
637	25200	5666.7778
638	4000	2600.0000
639	2900	2900.0000
640	0	0.0000
641	0	0.0000

642	3400	2700.0000
643	1100	1100.0000
644	8900	5800.0000
645	3900	3900.0000
646	2300	2300.0000
647	2100	2100.0000
648	7200	4400.0000
649	0	0.0000
650	0	0.0000
651	6800	1882.6667
652	0	0.0000
653	1100	1100.0000
654	2400	1750.0000
655	991	991.0000
656	2100	1347.3333
657	0	0.0000
658	3400	2400.0000
659	0	0.0000
660	8100	5500.0000
661	8000	5300.0000
662	2100	1800.0000
663	6400	6400.0000
664	1500	1500.0000
665	0	0.0000
666	3400	3400.0000
667	1500	1500.0000
668	3500	2500.0000
669	0	0.0000
670	2200	1438.0000
671	5100	4566.6667
672	11400	11400.0000
673	3700	3700.0000
674	794	794.0000
675	0	0.0000
676	0	0.0000
677	22300	6220.0000
678	1700	1700.0000
679	0	0.0000
680	757	757.0000
681	2500	2500.0000
682	1500	1500.0000
683	22800	8632.6667
684	1400	988.3333
685	4200	2466.6667
686	0	0.0000
687	0	0.0000
688	16300	9200.0000
689	1400	920.0000
690	6800	4050.0000
691	7300	3142.6000
692	0	0.0000
693	2200	2200.0000
694	1800	1800.0000
695	2900	2500.0000

696	2400	2400.0000
697	0	0.0000
698	14000	3199.5000
699	1800	1800.0000
700	3500	2300.0000
701	0	0.0000
702	1000	960.0000
703	0	0.0000
704	4000	2933.3333
705	33100	33100.0000
706	1100	983.0000
707	3100	2057.0000
708	2400	2400.0000
709	0	0.0000
710	0	0.0000
711	33100	4204.4211
712	8600	5600.0000
713	1200	1200.0000
714	2100	1549.0000
715	0	0.0000
716	2500	1501.0000
717	0	0.0000
718	1100	1100.0000
719	2100	2100.0000
720	0	0.0000
721	3800	3800.0000
722	0	0.0000
723	4800	4800.0000
724	0	0.0000
725	838	838.0000
726	10000	10000.0000
727	8900	8900.0000
728	7000	7000.0000
729	0	0.0000
730	1400	1400.0000
731	5700	5700.0000
732	3100	3100.0000
733	2400	2250.0000
734	1600	1550.0000
735	9700	9700.0000
736	2500	2500.0000
737	0	0.0000
738	0	0.0000
739	0	0.0000
740	1600	1550.0000
741	0	0.0000
742	15100	15100.0000
743	2800	2800.0000
744	0	0.0000
745	1300	972.5000
746	0	0.0000
747	0	0.0000
748	0	0.0000
749	5400	5400.0000

750	1700	1500.0000
751	0	0.0000
752	0	0.0000
753	2400	1800.0000
754	1800	1550.0000
755	15900	4645.0000
756	0	0.0000
757	7400	3353.6667
758	728	628.5000
759	5000	2935.0000
760	11400	5466.6667
761	8000	3300.0000
762	17300	5625.0000
763	1700	1700.0000
764	0	0.0000
765	2800	2800.0000
766	0	0.0000
767	3700	2110.3333
768	535	477.0000
769	6500	3666.6667
770	681	637.3333
771	0	0.0000
772	3200	2319.8000
773	1700	1700.0000
774	0	0.0000
775	1700	1343.5000
776	0	0.0000
777	0	0.0000
778	0	0.0000
779	3000	2400.0000
780	3200	2080.0000
781	2500	2500.0000
782	0	0.0000
783	1700	1700.0000
784	2700	2700.0000
785	5000	4100.0000
786	1500	1193.0000
787	2200	2200.0000
788	0	0.0000
789	872	836.0000
790	1100	1100.0000
791	1800	1800.0000
792	1900	1900.0000
793	7300	3500.0000
794	4900	4900.0000
795	1300	1300.0000
796	1000	838.5000
797	5200	5200.0000
798	5500	2700.0000
799	7800	3090.0000
800	0	0.0000
801	11900	11900.0000
802	0	0.0000
803	0	0.0000

804	671	671.0000
805	25200	11547.3684
806	0	0.0000
807	2000	2000.0000
808	2500	1900.0000
809	1100	1100.0000
810	2900	2900.0000
811	1100	1100.0000
812	866	866.0000
813	2300	1350.6667
814	2200	1553.6667
815	0	0.0000
816	1100	1100.0000
817	0	0.0000
818	0	0.0000
819	0	0.0000
820	1500	1500.0000
821	0	0.0000
822	962	962.0000
823	2100	2100.0000
824	0	0.0000
825	0	0.0000
826	10400	4867.5000
827	5100	5100.0000
828	6300	4500.0000
829	0	0.0000
830	3500	3200.0000
831	0	0.0000
832	0	0.0000
833	0	0.0000
834	2400	1800.0000
835	1100	1100.0000
836	494	494.0000
837	1900	1269.0000
838	3400	3400.0000
839	0	0.0000
840	0	0.0000
841	626	626.0000
842	22800	14400.0000
843	1800	1750.0000
844	2600	2033.3333
845	1100	1100.0000
846	881	881.0000
847	0	0.0000
848	0	0.0000
849	0	0.0000
850	20300	12050.0000
851	924	803.3333
852	8600	5250.0000
853	1300	815.0000
854	6900	3866.6667
855	7900	6033.3333
856	2000	1900.0000
857	0	0.0000

858	0	0.0000
859	5100	5100.0000
860	800	800.0000
861	952	952.0000
862	0	0.0000
863	4900	3833.3333
864	3100	3100.0000
865	6500	6500.0000
866	4400	4050.0000
867	3700	3700.0000
868	0	0.0000
869	0	0.0000
870	1600	1600.0000
871	17300	4716.6667
872	1800	1800.0000
873	3700	3180.0000
874	436	436.0000
875	1700	1700.0000
876	1800	1800.0000
877	0	0.0000
878	31400	16225.0000
879	473	473.0000
880	0	0.0000
881	1200	1200.0000
882	661	661.0000
883	0	0.0000
884	1100	1100.0000
885	1200	903.0000
886	2400	2400.0000
887	0	0.0000
888	5200	5200.0000
889	2700	1925.0000
890	0	0.0000
891	0	0.0000
892	1600	1600.0000
893	3100	1670.6667
894	0	0.0000
895	7100	2618.8000
896	1100	838.5000
897	2300	1800.0000
898	924	924.0000
899	1100	1050.0000
900	0	0.0000
901	1100	698.5000
902	790	790.0000
903	1200	1200.0000
904	592	562.5000
905	0	0.0000
906	28300	15200.0000
907	0	0.0000
908	1800	1533.3333
909	2100	2100.0000
910	0	0.0000
911	3200	3200.0000

912	5000	5000.0000
913	20800	20800.0000
914	0	0.0000
915	8900	6900.0000
916	3000	3000.0000
917	6700	6700.0000
918	0	0.0000
919	0	0.0000
920	8100	5750.0000
921	1100	1100.0000
922	3100	2300.0000
923	0	0.0000
924	11600	5666.6667
925	756	756.0000
926	1100	1100.0000
927	4700	3000.0000
928	8200	3249.2500
929	0	0.0000
930	3000	1459.2500
931	1300	1300.0000
932	0	0.0000
933	0	0.0000
934	0	0.0000
935	4200	2700.0000
936	0	0.0000
937	11900	11900.0000
938	0	0.0000
939	0	0.0000
940	0	0.0000
941	0	0.0000
942	0	0.0000
943	3700	3700.0000
944	0	0.0000
945	0	0.0000
946	3000	2300.0000
947	0	0.0000
948	1500	1500.0000
949	4100	2650.0000
950	0	0.0000
951	2500	2500.0000
952	1100	1100.0000
953	17500	7000.0000
954	27700	27700.0000
955	0	0.0000
956	0	0.0000
957	919	919.0000
958	6800	6800.0000
959	2300	1920.0000
960	0	0.0000
961	0	0.0000
962	1700	1700.0000
963	2500	2500.0000
964	0	0.0000
965	0	0.0000

966	1900	1900.0000
967	0	0.0000
968	4700	4700.0000
969	0	0.0000
970	0	0.0000
971	1600	1600.0000
972	0	0.0000
973	0	0.0000
974	1700	1700.0000
975	0	0.0000
976	1300	1300.0000
977	1400	1400.0000
978	14600	14600.0000
979	0	0.0000
980	4800	3428.5714
981	10700	10700.0000
982	2600	2600.0000
983	0	0.0000
984	1200	1026.6667
985	0	0.0000
986	6800	4750.0000
987	1700	1700.0000
988	0	0.0000
989	22200	4942.2500
990	514	514.0000
991	929	929.0000
992	3300	2200.0000
993	0	0.0000
994	0	0.0000
995	8100	8100.0000
996	1600	1101.0000
997	2700	1933.3333
998	1700	1700.0000
999	0	0.0000
1000	1800	1800.0000
1001	5100	2558.0000
1002	2200	1584.0000
1003	20900	8833.3333
1004	4700	3020.0000
1005	3000	1500.0000
1006	2200	2200.0000
1007	9500	9500.0000
1008	0	0.0000
1009	0	0.0000
1010	0	0.0000
1011	4200	2123.6667
1012	4200	1985.4286
1013	0	0.0000
1014	0	0.0000
1015	14600	14600.0000
1016	0	0.0000
1017	3000	3000.0000
1018	0	0.0000
1019	0	0.0000

1020	4900	4900.0000
1021	0	0.0000
1022	6100	2625.0000
1023	317	317.0000
1024	5600	5600.0000
1025	0	0.0000
1026	759	759.0000
1027	3200	2800.0000
1028	3200	2080.0000
1029	0	0.0000
1030	0	0.0000
1031	0	0.0000
1032	25200	6437.6250
1033	0	0.0000
1034	0	0.0000
1035	4100	3150.0000
1036	2100	1600.0000
1037	10800	10800.0000
1038	2500	2050.0000
1039	0	0.0000
1040	1900	1550.0000
1041	0	0.0000
1042	6800	4900.0000
1043	2700	2700.0000
1044	3200	3200.0000
1045	2000	1075.0000
1046	1800	1500.0000
1047	1200	1200.0000
1048	51900	51900.0000
1049	790	669.0000
1050	7400	7400.0000
1051	0	0.0000
1052	3300	2850.0000
1053	0	0.0000
1054	7500	7500.0000
1055	560	560.0000
1056	0	0.0000
1057	0	0.0000
1058	0	0.0000
1059	2800	2800.0000
1060	14400	14400.0000
1061	0	0.0000
1062	1400	928.0000
1063	0	0.0000
1064	3800	1933.3333
1065	761	761.0000
1066	9700	9700.0000
1067	2100	1466.6667
1068	16100	4250.6364
1069	46200	14400.0000
1070	2100	1600.0000
1071	0	0.0000
1072	1200	1200.0000
1073	0	0.0000

1074	17100	10400.0000
1075	3900	2225.0000
1076	3800	2900.0000
1077	1700	1700.0000
1078	0	0.0000
1079	2000	1494.3333
1080	1600	1600.0000
1081	0	0.0000
1082	0	0.0000
1083	0	0.0000
1084	0	0.0000
1085	5000	5000.0000
1086	0	0.0000
1087	0	0.0000
1088	1300	1300.0000
1089	1600	1600.0000
1090	1400	911.0000
1091	0	0.0000
1092	4400	4400.0000
1093	0	0.0000
1094	1800	1800.0000
1095	39200	20650.0000
1096	10200	10200.0000
1097	1700	1700.0000
1098	790	790.0000
1099	603	603.0000
1100	0	0.0000
1101	1500	1500.0000
1102	18700	6550.0000
1103	4800	3550.0000
1104	537	537.0000
1105	22800	20050.0000
1106	0	0.0000
1107	2600	2433.3333
1108	2700	2700.0000
1109	2400	2400.0000
1110	4300	2844.0000
1111	1900	1550.0000
1112	2200	2200.0000
1113	2400	2400.0000
1114	0	0.0000
1115	1700	1700.0000
1116	0	0.0000
1117	3000	2335.0000
1118	0	0.0000
1119	39200	4146.2821
1120	3400	3400.0000
1121	9800	1891.6774
1122	0	0.0000
1123	3400	3400.0000
1124	0	0.0000
1125	22800	15300.0000
1126	22800	22800.0000
1127	0	0.0000

1128	2000	1237.5000
1129	2500	1700.0000
1130	23600	23600.0000
1131	0	0.0000
1132	2700	2550.0000
1133	1300	1300.0000
1134	4400	3200.0000
1135	3800	2228.2000
1136	1000	1000.0000
1137	2400	2400.0000
1138	3000	2533.3333
1139	2200	1950.0000
1140	0	0.0000
1141	0	0.0000
1142	2600	1633.3333
1143	1800	1800.0000
1144	7000	5750.0000
1145	0	0.0000
1146	4800	4800.0000
1147	0	0.0000
1148	0	0.0000
1149	5500	1556.1667
1150	8900	8900.0000
1151	0	0.0000
1152	1900	1900.0000
1153	0	0.0000
1154	1400	1400.0000
1155	1600	1600.0000
1156	2200	1591.0000
1157	1700	1550.0000
1158	0	0.0000
1159	14800	14800.0000
1160	2800	2800.0000
1161	4100	2525.0000
1162	9500	8113.8000
1163	0	0.0000
1164	10800	6400.0000
1165	1700	1700.0000
1166	13800	13800.0000
1167	10800	10800.0000
1168	0	0.0000
1169	1700	1550.0000
1170	7100	5066.6667
1171	1300	1250.0000
1172	2100	2100.0000
1173	3100	3100.0000
1174	1900	1850.0000
1175	1400	1400.0000
1176	4900	4900.0000
1177	7700	7700.0000
1178	0	0.0000
1179	0	0.0000
1180	2900	1656.5000
1181	0	0.0000

1182	0	0.0000
1183	0	0.0000
1184	0	0.0000
1185	4900	4900.0000
1186	0	0.0000
1187	0	0.0000
1188	3500	3500.0000
1189	10600	10600.0000
1190	6800	6800.0000
1191	0	0.0000
1192	785	663.6667
1193	0	0.0000
1194	0	0.0000
1195	0	0.0000
1196	4400	4400.0000
1197	2600	1394.0000
1198	1400	1400.0000
1199	1700	1700.0000
1200	3400	2000.0000
1201	0	0.0000
1202	0	0.0000
1203	1600	1600.0000
1204	8700	4150.0000
1205	821	821.0000
1206	2000	2000.0000
1207	838	838.0000
1208	2200	1714.6000
1209	4300	2833.3333
1210	3400	2067.1667
1211	0	0.0000
1212	1100	928.0000
1213	2700	2700.0000
1214	2900	2900.0000
1215	2900	1918.0000
1216	23700	8400.0000
1217	0	0.0000
1218	1600	1219.0000
1219	0	0.0000
1220	4800	1482.6000
1221	2000	1466.6667
1222	2000	1600.0000
1223	0	0.0000
1224	1400	1400.0000
1225	2200	2200.0000
1226	2000	2000.0000
1227	5700	5700.0000
1228	6300	3650.0000
1229	1500	1500.0000
1230	3100	3100.0000
1231	10000	6200.0000
1232	1900	1900.0000
1233	475	475.0000
1234	1100	1100.0000
1235	3600	2900.0000

1236	6700	3651.5000
1237	1100	1100.0000
1238	3800	3800.0000
1239	0	0.0000
1240	0	0.0000
1241	1000	1000.0000
1242	0	0.0000
1243	2800	2800.0000
1244	1100	807.5000
1245	761	761.0000
1246	3700	3700.0000
1247	1600	1600.0000
1248	0	0.0000
1249	10700	10700.0000
1250	6300	3580.0000
1251	969	969.0000
1252	2800	2733.3333
1253	6900	6900.0000
1254	1100	689.0000
1255	1100	954.0000
1256	5500	5500.0000
1257	1900	1900.0000
1258	2800	2500.0000
1259	4300	4300.0000
1260	12200	4330.2500
1261	0	0.0000
1262	5300	5300.0000
1263	3100	1605.4000
1264	0	0.0000
1265	559	559.0000
1266	1100	1100.0000
1267	1400	1130.5000
1268	0	0.0000
1269	0	0.0000
1270	173800	29207.1429
1271	3900	3900.0000
1272	2500	2500.0000
1273	4100	4100.0000
1274	529	529.0000
1275	1000	1000.0000
1276	3200	3200.0000
1277	0	0.0000
1278	1400	1400.0000
1279	10000	4966.6667
1280	4300	4300.0000
1281	1800	1800.0000
1282	1100	1050.0000
1283	0	0.0000
1284	1700	1700.0000
1285	1600	1333.3333
1286	1500	905.3333
1287	6800	4900.0000
1288	9100	7350.0000
1289	0	0.0000

1290	5900	3700.0000
1291	0	0.0000
1292	3000	3000.0000
1293	1500	1500.0000
1294	0	0.0000
1295	0	0.0000
1296	7000	7000.0000
1297	2800	2800.0000
1298	6100	6100.0000
1299	1200	866.0000
1300	0	0.0000
1301	1400	1101.5000
1302	1200	1200.0000
1303	0	0.0000
1304	0	0.0000
1305	3000	3000.0000
1306	3000	3000.0000
1307	1500	1250.0000
1308	0	0.0000
1309	0	0.0000
1310	1100	1100.0000
1311	22700	15750.0000
1312	2800	2800.0000
1313	0	0.0000
1314	10200	3957.2857
1315	0	0.0000
1316	1000	1000.0000
1317	1300	1300.0000
1318	0	0.0000
1319	1900	1900.0000
1320	0	0.0000
1321	1200	1200.0000
1322	0	0.0000
1323	0	0.0000
1324	4300	2633.3333
1325	0	0.0000
1326	0	0.0000
1327	5500	3400.0000
1328	0	0.0000
1329	866	688.0000
1330	804	804.0000
1331	2000	2000.0000
1332	11400	11400.0000
1333	0	0.0000
1334	0	0.0000
1335	3400	1813.0000
1336	3400	3400.0000
1337	0	0.0000
1338	1800	1192.3333
1339	0	0.0000
1340	1100	1100.0000
1341	3400	2142.0000
1342	1800	1800.0000
1343	3100	3100.0000

1344	10300	3756.5000
1345	1700	1080.2000
1346	3400	2300.0000
1347	10300	4214.2857
1348	0	0.0000
1349	1200	952.5000
1350	0	0.0000
1351	2100	2100.0000
1352	3300	3300.0000
1353	0	0.0000
1354	610	610.0000
1355	2200	1800.0000
1356	0	0.0000
1357	0	0.0000
1358	6200	4600.0000
1359	10300	3068.8571
1360	0	0.0000
1361	0	0.0000
1362	2000	1633.3333
1363	0	0.0000
1364	0	0.0000
1365	2700	2700.0000
1366	0	0.0000
1367	4200	4200.0000
1368	0	0.0000
1369	2400	1633.0000
1370	1500	1500.0000
1371	0	0.0000
1372	5300	2200.0000
1373	3400	3400.0000
1374	0	0.0000
1375	1600	1169.5000
1376	2100	1550.0000
1377	5200	3550.0000
1378	1500	1500.0000
1379	0	0.0000
1380	1400	906.0000
1381	796	635.5000
1382	0	0.0000
1383	5800	3125.0000
1384	5800	3167.0000
1385	7200	2557.6923
1386	2000	2000.0000
1387	32600	32600.0000
1388	2100	1750.0000
1389	2200	1536.5000
1390	16700	16700.0000
1391	6800	6800.0000
1392	1200	1200.0000
1393	3600	2300.0000
1394	0	0.0000
1395	3400	3050.0000
1396	4800	3300.0000
1397	1800	1428.0000

1398	0	0.0000
1399	3600	2241.5000
1400	0	0.0000
1401	0	0.0000
1402	0	0.0000
1403	792	792.0000
1404	792	792.0000
1405	0	0.0000
1406	0	0.0000
1407	0	0.0000
1408	2700	1850.0000
1409	9200	4043.6000
1410	9400	5650.0000
1411	0	0.0000
1412	808	808.0000
1413	6000	6000.0000
1414	21900	6140.5000
1415	0	0.0000
1416	0	0.0000
1417	4000	4000.0000
1418	1800	1800.0000
1419	18000	6300.0000
1420	2600	2100.0000
1421	1000	1000.0000
1422	998	872.3333
1423	1400	1400.0000
1424	1300	1300.0000
1425	897	897.0000
1426	1600	1600.0000
1427	2300	2150.0000
1428	95900	95900.0000
1429	173800	40187.5000
1430	0	0.0000
1431	57600	29700.0000
1432	3400	1507.8000
1433	7700	2987.0000
1434	17100	8300.0000
1435	0	0.0000
1436	1500	1500.0000
1437	0	0.0000
1438	1100	1100.0000
1439	7900	2900.0000
1440	1300	1080.6667
1441	1200	1200.0000
1442	10000	5200.0000
1443	0	0.0000
1444	6700	6700.0000
1445	371	371.0000
1446	0	0.0000
1447	0	0.0000
1448	1900	1900.0000
1449	0	0.0000
1450	0	0.0000
1451	3400	2550.0000

1452	0	0.0000
1453	26600	7448.5000
1454	0	0.0000
1455	0	0.0000
1456	1200	1200.0000
1457	2500	2500.0000
1458	2300	2300.0000
1459	732	732.0000
1460	0	0.0000
1461	22800	12400.0000
1462	22800	13600.0000
1463	0	0.0000
1464	0	0.0000
1465	0	0.0000
1466	0	0.0000
1467	2900	2900.0000
1468	0	0.0000
1469	2100	2100.0000
1470	0	0.0000
1471	4300	3300.0000
1472	380	380.0000
1473	2600	2600.0000
1474	0	0.0000
1475	2000	1135.7500
1476	2000	2000.0000
1477	2400	1481.6667
1478	0	0.0000
1479	0	0.0000
1480	9500	5095.5000
1481	1100	1100.0000
1482	386	386.0000
1483	3200	1829.0000
1484	5100	3150.0000
1485	3800	2105.9286
1486	0	0.0000
1487	0	0.0000
1488	0	0.0000
1489	0	0.0000
1490	9500	9500.0000
1491	0	0.0000
1492	0	0.0000
1493	11400	6126.5000
1494	0	0.0000
1495	2100	1629.5000
1496	0	0.0000
1497	0	0.0000
1498	0	0.0000
1499	0	0.0000
1500	2000	2000.0000
1501	0	0.0000
1502	0	0.0000
1503	2000	2000.0000
1504	0	0.0000
1505	0	0.0000

1506	1700	1700.0000
1507	5000	3400.0000
1508	312	270.0000
1509	0	0.0000
1510	0	0.0000
1511	0	0.0000
1512	1300	1200.0000
1513	0	0.0000
1514	3400	3400.0000
1515	22800	12300.0000
1516	4500	2568.0000
1517	2700	2700.0000
1518	2100	2100.0000
1519	2100	1850.0000
1520	1500	1500.0000
1521	19700	19700.0000
1522	4800	4800.0000
1523	1000	1000.0000
1524	594	455.3333
1525	69100	69100.0000
1526	1300	1149.5000
1527	0	0.0000
1528	0	0.0000
1529	615	552.3333
1530	1200	997.6667
1531	0	0.0000
1532	1100	1100.0000
1533	12800	5066.6667
1534	0	0.0000
1535	1900	1171.3333
1536	16700	9650.0000
1537	0	0.0000
1538	594	490.0000
1539	0	0.0000
1540	1500	1500.0000
1541	942	942.0000
1542	3500	3500.0000
1543	0	0.0000
1544	4400	2466.5714
1545	3400	3400.0000
1546	10600	10600.0000
1547	69100	4806.7917
1548	805	805.0000
1549	1400	1400.0000
1550	2400	2400.0000
1551	2100	2100.0000
1552	2400	2400.0000
1553	0	0.0000
1554	20900	12200.0000
1555	0	0.0000
1556	3200	3150.0000
1557	0	0.0000
1558	0	0.0000
1559	6700	2435.2000

1560	1800	934.2500
1561	1800	1800.0000
1562	23400	23400.0000
1563	10300	6150.0000
1564	10300	6150.0000
1565	27200	9653.0000
1566	1000	1000.0000
1567	4400	2261.7143
1568	1300	696.5000
1569	0	0.0000
1570	1700	1433.3333
1571	2200	2200.0000
1572	1600	1600.0000
1573	18000	5280.0000
1574	2000	1288.7500
1575	0	0.0000
1576	1400	1400.0000
1577	0	0.0000
1578	16500	16500.0000
1579	1400	1400.0000
1580	15600	15600.0000
1581	3900	3900.0000
1582	4100	4100.0000
1583	0	0.0000
1584	2100	2100.0000
1585	1200	927.5000
1586	1500	1500.0000
1587	2000	2000.0000
1588	1900	1900.0000
1589	1800	1550.0000
1590	0	0.0000
1591	2500	1626.0000
1592	16500	9100.0000
1593	1100	1100.0000
1594	0	0.0000
1595	739	739.0000
1596	0	0.0000
1597	4500	4500.0000
1598	9800	1841.4000
1599	1100	1100.0000
1600	0	0.0000
1601	0	0.0000
1602	6300	4464.7059
1603	0	0.0000
1604	0	0.0000
1605	2800	2800.0000
1606	4700	4700.0000
1607	0	0.0000
1608	2000	1875.0000
1609	56200	27000.0000
1610	1600	1600.0000
1611	10900	4833.3333
1612	5500	3750.0000
1613	10300	4627.0000

1614	0	0.0000
1615	0	0.0000
1616	10900	7266.6667
1617	5100	2171.5000
1618	3400	2450.0000
1619	0	0.0000
1620	0	0.0000
1621	651	651.0000
1622	2500	2500.0000
1623	4400	3166.6667
1624	0	0.0000
1625	0	0.0000
1626	0	0.0000
1627	9700	4066.6667
1628	0	0.0000
1629	4500	4500.0000
1630	3300	1929.5000
1631	3600	2210.0000
1632	1200	1200.0000
1633	0	0.0000
1634	0	0.0000
1635	22800	22800.0000
1636	2800	1843.0000
1637	0	0.0000
1638	0	0.0000
1639	0	0.0000
1640	1900	1900.0000
1641	1400	958.6000
1642	3300	2233.3333
1643	4200	4200.0000
1644	3900	2241.5000
1645	0	0.0000
1646	2500	2500.0000
1647	0	0.0000
1648	0	0.0000
1649	2600	2200.0000
1650	7200	7200.0000
1651	2000	2000.0000
1652	2100	1900.0000
1653	2000	2000.0000
1654	0	0.0000
1655	1600	1450.0000
1656	2100	2100.0000
1657	1700	1400.0000
1658	0	0.0000
1659	173800	17503.0000
1660	1200	1200.0000
1661	2600	2600.0000
1662	0	0.0000
1663	11900	11900.0000
1664	536	536.0000
1665	0	0.0000
1666	0	0.0000
1667	2100	1550.0000

1668	0	0.0000
1669	1700	1305.7500
1670	0	0.0000
1671	1400	1400.0000
1672	3800	1579.2000
1673	578	578.0000
1674	10800	3982.4286
1675	2700	2700.0000
1676	4300	4300.0000
1677	2100	2100.0000
1678	5400	3650.0000
1679	11900	11900.0000
1680	0	0.0000
1681	0	0.0000
1682	0	0.0000
1683	22800	16250.0000
1684	952	952.0000
1685	1300	1300.0000
1686	5500	3261.3333
1687	0	0.0000
1688	23500	4839.2222
1689	3700	3700.0000
1690	0	0.0000
1691	3900	3900.0000
1692	559	559.0000
1693	1300	1300.0000
1694	0	0.0000
1695	0	0.0000
1696	386	386.0000
1697	2000	2000.0000
1698	965	965.0000
1699	9800	9800.0000
1700	1600	1600.0000
1701	1700	1700.0000
1702	0	0.0000
1703	6900	6900.0000
1704	1500	1500.0000
1705	1200	1200.0000
1706	9200	9200.0000
1707	0	0.0000
1708	1300	1300.0000
1709	0	0.0000
1710	1600	1333.3333
1711	0	0.0000
1712	0	0.0000
1713	0	0.0000
1714	42500	5817.1250
1715	3200	2150.0000
1716	0	0.0000
1717	6100	2731.1429
1718	1900	1800.0000
1719	0	0.0000
1720	60300	60300.0000
1721	0	0.0000

1722	3700	2883.3333
1723	0	0.0000
1724	0	0.0000
1725	3900	2950.0000
1726	0	0.0000
1727	0	0.0000
1728	1600	1300.0000
1729	0	0.0000
1730	2000	2000.0000
1731	6400	3312.5000
1732	3100	2050.0000
1733	0	0.0000
1734	0	0.0000
1735	51900	26303.0000
1736	476	476.0000
1737	782	782.0000
1738	0	0.0000
1739	1600	1600.0000
1740	0	0.0000
1741	3000	3000.0000
1742	0	0.0000
1743	2100	2100.0000
1744	0	0.0000
1745	6500	2700.5000
1746	32600	13300.0000
1747	7800	4466.6667
1748	6700	4500.0000
1749	5700	3900.0000
1750	0	0.0000
1751	1100	1100.0000
1752	836	836.0000
1753	7000	6450.0000
1754	0	0.0000
1755	30000	30000.0000
1756	1500	1500.0000
1757	1900	1900.0000
1758	1900	1431.5000
1759	2000	2000.0000
1760	5700	5700.0000
1761	1200	1019.5000
1762	1200	1200.0000
1763	6900	6900.0000
1764	2300	2200.0000
1765	0	0.0000
1766	3300	3300.0000
1767	0	0.0000
1768	527	527.0000
1769	2800	2800.0000
1770	0	0.0000
1771	0	0.0000
1772	2100	1014.0000
1773	1700	1393.0000
1774	10800	10800.0000
1775	22800	22800.0000

1776	1200	1067.3333
1777	0	0.0000
1778	1500	1500.0000
1779	6000	4950.0000
1780	0	0.0000
1781	0	0.0000
1782	0	0.0000
1783	3400	1798.0000
1784	4300	2690.3333
1785	4300	2866.6667
1786	12800	8350.0000
1787	22800	11950.0000
1788	4800	2127.4000
1789	3300	3300.0000
1790	3300	3300.0000
1791	6700	4750.0000
1792	0	0.0000
1793	0	0.0000
1794	933	933.0000
1795	2000	2000.0000
1796	3200	1997.5000
1797	5700	5700.0000
1798	7600	7600.0000
1799	606	606.0000
1800	2000	1479.5000
1801	0	0.0000
1802	1900	1900.0000
1803	6000	3500.0000
1804	0	0.0000
1805	1700	1650.0000
1806	890	890.0000
1807	1600	1600.0000
1808	4700	4700.0000
1809	95900	95900.0000
1810	2000	2000.0000
1811	6000	6000.0000
1812	0	0.0000
1813	3500	2650.0000
1814	1300	1300.0000
1815	0	0.0000
1816	0	0.0000
1817	1500	1500.0000
1818	2800	1666.6667
1819	4900	4050.0000
1820	0	0.0000
1821	0	0.0000
1822	0	0.0000
1823	0	0.0000
1824	0	0.0000
1825	0	0.0000
1826	1500	1149.5000
1827	12700	3496.0000
1828	1700	1400.0000
1829	6000	4300.0000

1830	3000	3000.0000
1831	0	0.0000
1832	0	0.0000
1833	0	0.0000
1834	2200	2200.0000
1835	57600	57600.0000
1836	847	847.0000
1837	0	0.0000
1838	0	0.0000
1839	0	0.0000
1840	0	0.0000
1841	6700	3233.3333
1842	0	0.0000
1843	0	0.0000
1844	1600	1400.0000
1845	1300	1300.0000
1846	11900	11900.0000
1847	0	0.0000
1848	2100	2100.0000
1849	0	0.0000
1850	532	532.0000
1851	884	834.0000
1852	4800	4800.0000
1853	1200	1200.0000
1854	10900	4956.1667
1855	22800	10166.6667
1856	0	0.0000
1857	0	0.0000
1858	1200	1200.0000
1859	2700	2700.0000
1860	45300	7212.7143
1861	990	990.0000
1862	0	0.0000
1863	0	0.0000
1864	0	0.0000
1865	0	0.0000
1866	839	629.0000
1867	0	0.0000
1868	2000	1650.0000
1869	14700	3657.4286
1870	874	874.0000
1871	2200	2200.0000
1872	0	0.0000
1873	1600	1275.0000
1874	2900	2900.0000
1875	2500	2200.0000
1876	4300	3500.0000
1877	7300	2820.2500
1878	0	0.0000
1879	2100	1267.0000
1880	0	0.0000
1881	22800	22800.0000
1882	0	0.0000
1883	1300	1300.0000

1884	0	0.0000
1885	1300	1300.0000
1886	4100	2042.8000
1887	0	0.0000
1888	4300	3850.0000
1889	2800	2450.0000
1890	0	0.0000
1891	0	0.0000
1892	0	0.0000
1893	1700	1500.0000
1894	1000	1000.0000
1895	0	0.0000
1896	0	0.0000
1897	23500	5475.3000
1898	0	0.0000
1899	0	0.0000
1900	2300	2300.0000
1901	0	0.0000
1902	1700	1700.0000
1903	0	0.0000
1904	0	0.0000
1905	1700	1700.0000
1906	1700	1177.0000
1907	1800	1800.0000
1908	0	0.0000
1909	0	0.0000
1910	2100	2100.0000
1911	22800	10833.3333
1912	0	0.0000
1913	1100	1100.0000
1914	0	0.0000
1915	3400	3400.0000
1916	6700	3000.0000
1917	0	0.0000
1918	0	0.0000
1919	0	0.0000
1920	0	0.0000
1921	2800	2800.0000
1922	1400	1400.0000
1923	929	929.0000
1924	0	0.0000
1925	0	0.0000
1926	803	803.0000
1927	3300	2133.5000
1928	0	0.0000
1929	0	0.0000
1930	0	0.0000
1931	2200	1411.0000
1932	11900	11900.0000
1933	0	0.0000
1934	0	0.0000
1935	11000	11000.0000
1936	3400	3400.0000
1937	2100	2000.0000

1938	2100	2100.0000
1939	30400	30400.0000
1940	0	0.0000
1941	0	0.0000
1942	0	0.0000
1943	11400	11400.0000
1944	978	978.0000
1945	4300	1684.8000
1946	1900	1194.0000
1947	4800	3200.0000
1948	797	797.0000
1949	0	0.0000
1950	790	790.0000
1951	32600	4973.3333
1952	0	0.0000
1953	0	0.0000
1954	1400	1400.0000
1955	3200	2100.0000
1956	0	0.0000
1957	1900	1900.0000
1958	0	0.0000
1959	18100	3333.9020
1960	0	0.0000
1961	2000	2000.0000
1962	4000	4000.0000
1963	8000	8000.0000
1964	9500	9500.0000
1965	1100	1100.0000
1966	1400	1095.0000
1967	0	0.0000
1968	0	0.0000
1969	0	0.0000
1970	4700	2633.3333
1971	0	0.0000
1972	2400	2400.0000
1973	8500	3737.8000
1974	0	0.0000
1975	4500	4500.0000
1976	5500	2576.2000
1977	2600	2300.0000
1978	7000	4500.0000
1979	0	0.0000
1980	12800	5025.0000
1981	1700	1700.0000
1982	9800	1841.4000
1983	898	898.0000
1984	898	898.0000
1985	1400	1149.0000
1986	0	0.0000
1987	16200	16200.0000
1988	0	0.0000
1989	0	0.0000
1990	0	0.0000
1991	0	0.0000

1992	7000	4900.0000
1993	12800	4825.0000
1994	1300	1300.0000
1995	1800	1800.0000
1996	2200	1733.3333
1997	0	0.0000
1998	2200	1733.3333
1999	18100	5538.4615
2000	1700	1700.0000
2001	2400	2400.0000
2002	0	0.0000
2003	6100	6100.0000
2004	3400	2350.0000
2005	0	0.0000
2006	3900	3400.0000
2007	0	0.0000
2008	5800	3366.6667
2009	3200	3200.0000
2010	0	0.0000
2011	622	622.0000
2012	1800	1600.0000
2013	469	469.0000
2014	612	612.0000
2015	0	0.0000
2016	1900	1900.0000
2017	2600	1795.0000
2018	0	0.0000
2019	3200	1362.7500
2020	0	0.0000
2021	0	0.0000
2022	2000	2000.0000
2023	1300	1300.0000
2024	2300	2300.0000
2025	7600	4866.6667
2026	0	0.0000
2027	0	0.0000
2028	0	0.0000
2029	2300	2300.0000
2030	635	635.0000
2031	4300	3800.0000
2032	2900	2350.0000
2033	2900	2350.0000
2034	3700	2170.0000
2035	0	0.0000
2036	12800	7850.0000
2037	0	0.0000
2038	985	985.0000
2039	13600	13600.0000
2040	1800	1326.0000
2041	10300	4284.2500
2042	9700	6300.0000
2043	1700	1118.5000
2044	1100	835.5000
2045	4900	4900.0000

2046	4600	4600.0000
2047	0	0.0000
2048	1400	1400.0000
2049	2200	1900.0000
2050	0	0.0000
2051	0	0.0000
2052	0	0.0000
2053	3200	1541.3333
2054	1200	1200.0000
2055	6100	6100.0000
2056	6100	5950.0000
2057	5800	5800.0000
2058	2400	1950.0000
2059	9700	3201.6000
2060	7800	7800.0000
2061	1200	1200.0000
2062	13000	8100.0000
2063	6100	6100.0000
2064	0	0.0000
2065	0	0.0000
2066	760	760.0000
2067	22800	11891.0000
2068	2900	2100.0000
2069	4100	4100.0000
2070	4500	2800.0000
2071	2400	2400.0000
2072	1600	1410.0000
2073	6100	2825.0000
2074	1200	723.0000
2075	6800	4650.0000
2076	18400	11900.0000
2077	10800	5601.0000
2078	2200	2200.0000
2079	10500	10500.0000
2080	1600	954.5000
2081	858	858.0000
2082	0	0.0000
2083	8100	5650.0000
2084	1800	1800.0000
2085	3500	2550.0000
2086	4200	4200.0000
2087	1600	1600.0000
2088	1400	752.5000
2089	0	0.0000
2090	2300	2066.6667
2091	0	0.0000
2092	0	0.0000
2093	4400	4400.0000
2094	2300	1750.0000
2095	0	0.0000
2096	952	952.0000
2097	1200	1200.0000
2098	2200	1733.3333
2099	1900	1533.3333

2100	2600	2600.0000
2101	10900	6300.0000
2102	0	0.0000
2103	4400	2750.0000
2104	0	0.0000
2105	0	0.0000
2106	14000	8850.0000
2107	51900	51900.0000
2108	3500	3500.0000
2109	741	741.0000
2110	1600	1600.0000
2111	0	0.0000
2112	6400	6400.0000
2113	0	0.0000
2114	3100	1866.0000
2115	0	0.0000
2116	2700	2700.0000
2117	1700	1700.0000
2118	0	0.0000
2119	0	0.0000
2120	6000	6000.0000
2121	4200	4200.0000
2122	1100	1100.0000
2123	0	0.0000
2124	22800	12300.0000
2125	0	0.0000
2126	0	0.0000
2127	0	0.0000
2128	39200	39200.0000
2129	1500	1500.0000
2130	11900	6500.0000
2131	1400	1166.6667
2132	0	0.0000
2133	0	0.0000
2134	30400	11030.0000
2135	0	0.0000
2136	2000	1550.0000
2137	0	0.0000
2138	0	0.0000
2139	0	0.0000
2140	7100	2856.0000
2141	3200	3200.0000
2142	0	0.0000
2143	13600	12750.0000
2144	3200	3200.0000
2145	0	0.0000
2146	7900	4450.0000
2147	11000	11000.0000
2148	1400	1400.0000
2149	1900	1900.0000
2150	66900	66900.0000
2151	1300	1300.0000
2152	2600	1524.0000
2153	0	0.0000

2154	2200	2066.6667
2155	18400	18400.0000
2156	4600	4000.0000
2157	0	0.0000
2158	0	0.0000
2159	0	0.0000
2160	10900	10000.0000
2161	0	0.0000
2162	3200	3200.0000
2163	10300	10300.0000
2164	1700	1700.0000
2165	0	0.0000
2166	0	0.0000
2167	3400	3000.0000
2168	0	0.0000
2169	0	0.0000
2170	12300	4789.6667
2171	8100	5050.0000
2172	4600	2300.0000
2173	2400	1750.0000
2174	816	816.0000
2175	0	0.0000
2176	2200	2200.0000
2177	3800	2273.6667
2178	11400	6250.0000
2179	0	0.0000
2180	0	0.0000
2181	9700	6100.0000
2182	3500	3500.0000
2183	1800	1223.5000
2184	1600	1600.0000
2185	1500	1500.0000
2186	1300	1300.0000
2187	7500	4075.5000
2188	9700	4633.3333
2189	5600	2950.0000
2190	0	0.0000
2191	1900	1214.5000
2192	2200	1527.5000
2193	66900	34550.0000
2194	0	0.0000
2195	0	0.0000
2196	0	0.0000
2197	59400	59400.0000
2198	0	0.0000
2199	2200	1600.0000
2200	2200	2200.0000
2201	0	0.0000
2202	0	0.0000
2203	923	923.0000
2204	0	0.0000
2205	0	0.0000
2206	11900	10550.0000
2207	0	0.0000

2208	0	0.0000
2209	11700	6066.6667
2210	0	0.0000
2211	4500	2622.0000
2212	1200	1200.0000
2213	0	0.0000
2214	1800	1600.0000
2215	1100	922.0000
2216	1800	1700.0000
2217	22200	12350.0000
2218	3900	2600.0000
2219	901	855.6667
2220	0	0.0000
2221	8100	8100.0000
2222	1300	1250.0000
2223	0	0.0000
2224	2100	2100.0000
2225	1500	1160.0000
2226	3900	2225.0000
2227	0	0.0000
2228	3600	3000.0000
2229	2100	2050.0000
2230	4500	4500.0000
2231	1100	1100.0000
2232	2100	1700.0000
2233	22800	11950.0000
2234	0	0.0000
2235	1100	1100.0000
2236	11400	6400.0000
2237	13900	13900.0000
2238	2400	2400.0000
2239	2400	2400.0000
2240	0	0.0000
2241	2500	1305.8000
2242	0	0.0000
2243	4800	4300.0000
2244	39400	39400.0000
2245	66900	34950.0000
2246	0	0.0000
2247	4200	4200.0000
2248	0	0.0000
2249	10300	5536.5000
2250	0	0.0000
2251	0	0.0000
2252	0	0.0000
2253	4600	4500.0000
2254	13200	8800.0000
2255	0	0.0000
2256	0	0.0000
2257	0	0.0000
2258	987	987.0000
2259	0	0.0000
2260	4400	4400.0000
2261	4600	2619.5000

2262	0	0.0000
2263	2800	1770.6667
2264	0	0.0000
2265	0	0.0000
2266	0	0.0000
2267	4400	4400.0000
2268	0	0.0000
2269	1600	1550.0000
2270	11900	7400.0000
2271	1400	973.7500
2272	0	0.0000
2273	4600	3180.0000
2274	0	0.0000
2275	0	0.0000
2276	1500	1500.0000
2277	3400	2750.0000
2278	1500	978.0000
2279	11400	6400.0000
2280	1600	1105.6667
2281	1700	1148.0000
2282	1100	1100.0000
2283	1500	1209.2500
2284	0	0.0000
2285	1600	1600.0000
2286	27400	15600.0000
2287	2200	1402.0000
2288	1000	1000.0000
2289	1200	956.0000
2290	10300	10300.0000
2291	66900	37150.0000
2292	15700	15700.0000
2293	723	723.0000
2294	1700	1350.0000
2295	2800	2500.0000
2296	1000	1000.0000
2297	0	0.0000
2298	7900	2186.1429
2299	0	0.0000
2300	0	0.0000
2301	3500	2100.0000
2302	1300	1300.0000
2303	2800	2800.0000
2304	0	0.0000
2305	0	0.0000
2306	2900	2900.0000
2307	4500	4500.0000
2308	0	0.0000
2309	0	0.0000
2310	11900	3866.7500
2311	13600	13600.0000
2312	0	0.0000
2313	1200	1200.0000
2314	3200	3200.0000
2315	13600	5666.6667

2316	1800	1800.0000
2317	6500	4250.0000
2318	2400	1466.0000
2319	2900	2900.0000
2320	0	0.0000
2321	11100	11100.0000
2322	3100	3100.0000
2323	0	0.0000
2324	2200	2200.0000
2325	0	0.0000
2326	0	0.0000
2327	2000	2000.0000
2328	0	0.0000
2329	3400	2350.0000
2330	1700	1700.0000
2331	0	0.0000
2332	0	0.0000
2333	11100	4933.3333
2334	1400	1400.0000
2335	0	0.0000
2336	7500	4425.0000
2337	5600	5600.0000
2338	0	0.0000
2339	1300	1250.0000
2340	11400	5999.5000
2341	1100	1100.0000
2342	0	0.0000
2343	3400	3400.0000
2344	3200	3200.0000
2345	0	0.0000
2346	1300	1300.0000
2347	9300	4500.0000
2348	0	0.0000
2349	0	0.0000
2350	50600	35200.0000
2351	0	0.0000
2352	11700	11700.0000
2353	16800	14100.0000
2354	7100	7100.0000
2355	1400	1400.0000
2356	5700	3600.0000
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2369	4800	3433.3333

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85	0.007462687	0.28538961
86	0.018378378	0.42257155
87	0.022988506	0.51666667
88	0.000000000	0.29858225
89	0.022002200	0.38102759
90	0.012012012	0.42246040
91	0.011869436	0.41949092
92	0.012106538	0.34465241
93	0.011111111	0.45333333
94	0.009222661	0.28389541
95	0.020391517	0.36968042
96	0.012448133	0.31846591
97	0.047619048	0.49236111
98	0.022301517	0.42911044
99	0.028109029	0.37635281
100	0.005319149	0.45231481
101	0.028169014	0.34166667

102	0.016969697	0.43040885
103	0.014722537	0.43958133
104	0.015111111	0.42239117
105	0.020080321	0.33147547
106	0.016666667	0.34573003
107	0.014035088	0.45916875
108	0.017937220	0.25454545
109	0.002865330	0.45497836
110	0.017874876	0.41587833
111	0.008620690	0.34280303
112	0.012875536	0.28333333
113	0.017964072	0.37777778
114	0.015757576	0.44406250
115	0.015468608	0.41482886
116	0.041825095	0.36859807
117	0.014957265	0.27526738
118	0.020231214	0.32528409
119	0.019780220	0.35320911
120	0.012345679	0.15000000
121	0.012987013	0.38588435
122	0.012765957	0.44935065
123	0.000000000	0.32045454
124	0.010282776	0.35269776
125	0.015325670	0.30000000
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127	0.011111111	0.38140351
128	0.009523810	0.28571429
129	0.007751938	0.33333333
130	0.007874016	0.31000000
131	0.015723270	0.25006313
132	0.015544041	0.43127768
133	0.011650485	0.41083221
134	0.012987013	0.30000000
135	0.013903743	0.42051263
136	0.015691869	0.38141775
137	0.015243902	0.43090909
138	0.007117438	0.31511216
139	0.018621974	0.33456439
140	0.007722008	0.30142045
141	0.008247423	0.33387446
142	0.013157895	0.36745989
143	0.000000000	0.35833333
144	0.002358491	0.29712470
145	0.031884058	0.40655254
146	0.028985507	0.85000000
147	0.019607843	0.36652056
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150	0.014657980	0.40149836
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153	0.007042254	0.51600000
154	0.009049774	0.17878788
155	0.000000000	0.31285714

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161	0.012121212	0.36666667
162	0.013245033	0.30295545
163	0.019762846	0.43591835
164	0.013251784	0.41176446
165	0.020997375	0.34780962
166	0.006849315	0.40206612
167	0.012121212	0.39458333
168	0.012745098	0.43093834
169	0.008695652	0.68750000
170	0.016260163	0.34166667
171	0.027131783	0.35909091
172	0.016276704	0.41217227
173	0.005555556	0.36428571
174	0.022058824	0.30838384
175	0.018050542	0.25378788
176	0.013698630	0.27133838
177	0.043859649	0.30000000
178	0.013232514	0.40582846
179	0.009478673	0.24833333
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182	0.026315789	0.32263483
183	0.004901961	0.38063754
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185	0.028455285	0.37424242
186	0.016483516	0.35656566
187	0.010040161	0.39966891
188	0.005714286	0.27142046
189	0.015873016	0.41419458
190	0.014970060	0.36250676
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192	0.010563380	0.46111111
193	0.018570102	0.42838679
194	0.017241379	0.42139951
195	0.013840830	0.34405080
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197	0.018957346	0.41296296
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209	0.017632242	0.37016346

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227	0.016509434	0.42567282
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231	0.013986014	0.36142857
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234	0.012626263	0.38449198
235	0.015037594	0.69907407
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237	0.011004127	0.31857698
238	0.025925926	0.22962662
239	0.037267081	0.45766046
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279	0.024169184	0.39529221
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595	0.022403259	0.45501019
596	0.018099548	0.35176136
597	0.022033898	0.38137978
598	0.009523810	0.37878788
599	0.029702970	0.48333333
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601	0.020491803	0.38452951
602	0.039024390	0.33994709
603	0.024539877	0.45666667
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613	0.024844720	0.31666667
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618	0.004201681	0.30067340
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621	0.021346470	0.32093556
622	0.018750000	0.41515152
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630	0.023569024	0.47575758
631	0.011325028	0.38329485
632	0.027559055	0.35555556
633	0.012534819	0.42219512
634	0.006666667	0.30833333
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636	0.034965035	0.27976190
637	0.015723270	0.36160819
638	0.006263048	0.30299095
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647	0.012605042	0.37619048
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651	0.017520216	0.32463768
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653	0.021621622	0.41734694
654	0.024390244	0.31704545
655	0.015486726	0.47212121
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1105	0.049833887	0.47128205
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1109	0.016270338	0.39353601
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1114	0.005524862	0.34760039
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1122	0.000000000	0.00000000
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1580	0.010695187	0.35480520
1581	0.000000000	0.42662338
1582	0.018518519	0.31516623
1583	0.003968254	0.26700337
1584	0.021582734	0.36333333
1585	0.022727273	0.38420202
1586	0.013636364	0.19945887
1587	0.000000000	0.48333333
1588	0.021276596	0.39917749
1589	0.014778325	0.38759199
1590	0.013761468	0.39833333
1591	0.026166098	0.39728034
1592	0.020984665	0.39120774
1593	0.024096386	0.30209567
1594	0.000000000	0.00000000
1595	0.000000000	0.20492424
1596	0.012396694	0.46666667
1597	0.008174387	0.27990343
1598	0.033918129	0.31616586
1599	0.022813688	0.29730270
1600	0.009803922	0.72156863
1601	0.018404908	0.39463636
1602	0.015151515	0.39353742
1603	0.040229885	0.38787879
1604	0.023148148	0.30613054
1605	0.021739130	0.32000000
1606	0.020731707	0.51350649
1607	0.011853448	0.50161927
1608	0.021739130	0.40000000
1609	0.058181818	0.42130303
1610	0.011299435	0.37333333
1611	0.018935334	0.37685095
1612	0.011695906	0.35000000
1613	0.029411765	0.30318915

1614	0.011995638	0.32590909
1615	0.019396552	0.37208739
1616	0.020383204	0.38035939
1617	0.042071197	0.39189977
1618	0.009708738	0.48636364
1619	0.011185682	0.38842975
1620	0.011904762	0.31904734
1621	0.010452962	0.34482323
1622	0.013833992	0.31272727
1623	0.007117438	0.15151515
1624	0.028708134	0.42500000
1625	0.019313305	0.42013889
1626	0.021691974	0.35183484
1627	0.025951557	0.35847148
1628	0.000000000	0.38393939
1629	0.005555556	0.40555556
1630	0.012658228	0.34938776
1631	0.032448378	0.44625000
1632	0.004464286	0.55156250
1633	0.010869565	0.23959682
1634	0.059523810	0.42836114
1635	0.062500000	0.38603306
1636	0.020253165	0.28837535
1637	0.016666667	0.39797980
1638	0.020710059	0.33404356
1639	0.025575448	0.27100168
1640	0.016877637	0.48561508
1641	0.023904382	0.27920353
1642	0.030864198	0.39196970
1643	0.008620690	0.31948052
1644	0.015473888	0.34926471
1645	0.030000000	0.47441077
1646	0.016326531	0.33335243
1647	0.021126761	0.39941441
1648	0.013667426	0.20389610
1649	0.005747126	0.35416667
1650	0.000000000	0.60000000
1651	0.055944056	0.30050505
1652	0.010554090	0.37245413
1653	0.047619048	0.42410714
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1655	0.047297297	0.29858815
1656	0.016891892	0.27500000
1657	0.014416776	0.40479911
1658	0.026792750	0.38180890
1659	0.023722628	0.37450290
1660	0.024242424	0.30128205
1661	0.021148036	0.61250000
1662	0.000000000	0.60833333
1663	0.015290520	0.54280303
1664	0.053511706	0.33943723
1665	0.018022938	0.39473259
1666	0.043956044	0.34372294
1667	0.022782750	0.36926337

1668	0.016304348	0.28851010
1669	0.013031550	0.43644833
1670	0.000000000	0.22323232
1671	0.016949153	0.28579545
1672	0.009229677	0.36477655
1673	0.010101010	0.22142857
1674	0.021472393	0.31298701
1675	0.017543860	0.38983586
1676	0.012048193	0.31388889
1677	0.006451613	0.35959596
1678	0.023696682	0.41085983
1679	0.019607843	0.48205128
1680	0.016077170	0.31242785
1681	0.027149321	0.28971862
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1684	0.000000000	0.45238095
1685	0.018691589	0.41433983
1686	0.021596244	0.35548514
1687	0.013996890	0.38355993
1688	0.032432432	0.46200000
1689	0.008333333	0.42575758
1690	0.024850895	0.42416226
1691	0.011204482	0.28727273
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1699	0.020661157	0.36570384
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1720	0.068965517	0.39964286
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1763	0.022727273	0.25255682
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2067	0.043333333	0.41775252
2068	0.025510204	0.20909091
2069	0.021956088	0.30976827
2070	0.010676157	0.39349376
2071	0.000000000	0.26666667
2072	0.014468789	0.39650659
2073	0.028151775	0.42121212
2074	0.020449898	0.32505411
2075	0.028522040	0.43981797
2076	0.027139875	0.39758813
2077	0.018987342	0.37490530
2078	0.019920319	0.41757840
2079	0.002717391	0.40412121
2080	0.018903592	0.36040404
2081	0.018041237	0.40997669
2082	0.006134969	0.16212121
2083	0.013578275	0.37271780
2084	0.036585366	0.48904762
2085	0.010110294	0.37221566
2086	0.009615385	0.37500000
2087	0.013574661	0.37651515
2088	0.013953488	0.37916667
2089	0.017241379	0.39400914
2090	0.009787928	0.30435959
2091	0.016949153	0.12727273
2092	0.012048193	0.35000000
2093	0.005181347	0.52083333
2094	0.012605042	0.43863636
2095	0.025793651	0.34101461
2096	0.007246377	0.48750000
2097	0.009756098	0.34603175
2098	0.013996890	0.31474696
2099	0.015717092	0.36813853

2100	0.013157895	0.18571429
2101	0.016721311	0.37558248
2102	0.005025126	0.49924242
2103	0.016949153	0.47142857
2104	0.017441860	0.28756957
2105	0.004926108	0.30727273
2106	0.021352313	0.31196970
2107	0.014285714	0.48823529
2108	0.026706231	0.30175189
2109	0.023598820	0.34689755
2110	0.017073171	0.40520833
2111	0.022598870	0.36666667
2112	0.000000000	0.33939394
2113	0.010752688	0.37341270
2114	0.008196721	0.24817001
2115	0.021052632	0.43472222
2116	0.021645022	0.16233766
2117	0.015267176	0.33814935
2118	0.022875817	0.27922472
2119	0.000000000	0.22681818
2120	0.000000000	0.27288961
2121	0.004065041	0.33037190
2122	0.003571429	0.64464286
2123	0.040816327	0.29545455
2124	0.047318612	0.54250000
2125	0.005076142	0.34700000
2126	0.009433962	0.27306061
2127	0.021909233	0.41250000
2128	0.012072435	0.44362745
2129	0.026041667	0.31452621
2130	0.021052632	0.48697047
2131	0.010020040	0.32855261
2132	0.061068702	0.43571881
2133	0.000000000	0.00000000
2134	0.027559055	0.38356643
2135	0.016877637	0.38704545
2136	0.016150740	0.32705628
2137	0.020047170	0.29645949
2138	0.015873016	0.30974026
2139	0.014598540	0.40681818
2140	0.010849910	0.41893939
2141	0.047008547	0.41792588
2142	0.014925373	0.29663300
2143	0.009411765	0.42285714
2144	0.026905830	0.37361111
2145	0.018404908	0.23333333
2146	0.019345238	0.31868454
2147	0.023489933	0.39512987
2148	0.032154341	0.42532467
2149	0.016528926	0.42045455
2150	0.011560694	0.46666667
2151	0.015730337	0.50416667
2152	0.018683274	0.35635934
2153	0.025157233	0.39166667

2154	0.017730496	0.42441077
2155	0.033582090	0.35000000
2156	0.018456376	0.32744048
2157	0.018181818	0.24090909
2158	0.000000000	0.37272727
2159	0.008771930	0.46700337
2160	0.017647059	0.63100000
2161	0.027667984	0.47125000
2162	0.029962547	0.36026171
2163	0.009771987	0.26529581
2164	0.023032630	0.41519913
2165	0.038869258	0.44651515
2166	0.003816794	0.39357143
2167	0.011415525	0.48798295
2168	0.020134228	0.44230769
2169	0.000000000	0.13636364
2170	0.012422360	0.35312500
2171	0.016267943	0.39952551
2172	0.007017544	0.59318182
2173	0.023715415	0.37380952
2174	0.003731343	0.40500000
2175	0.020061728	0.44094697
2176	0.004672897	0.50952381
2177	0.019543974	0.45170068
2178	0.028485757	0.43216450
2179	0.018223235	0.38303030
2180	0.011560694	0.53376623
2181	0.014403292	0.35324675
2182	0.020911528	0.35357246
2183	0.017573222	0.42173767
2184	0.011335013	0.31481882
2185	0.016438356	0.46026786
2186	0.007104796	0.36888227
2187	0.004291845	0.33690476
2188	0.021420519	0.39339827
2189	0.015741508	0.38066883
2190	0.009174312	0.33983586
2191	0.007556675	0.42723485
2192	0.018003273	0.43177162
2193	0.016299919	0.39039626
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2195	0.015742129	0.41331598
2196	0.007812500	0.38000000
2197	0.010101010	0.31250000
2198	0.006681514	0.30495338
2199	0.016129032	0.26047078
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2203	0.016427105	0.37252494
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2205	0.013029316	0.35075065
2206	0.011799410	0.47653061
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2209	0.017543860	0.30712007
2210	0.013788099	0.35638130
2211	0.016574586	0.32619048
2212	0.013986014	0.37267857
2213	0.010526316	0.38025768
2214	0.011862396	0.30374006
2215	0.019138756	0.39404762
2216	0.009433962	0.45408163
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2218	0.004878049	0.52063492
2219	0.031250000	0.40000000
2220	0.000000000	0.28750000
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2223	0.000000000	0.43750000
2224	0.015116279	0.37096066
2225	0.017994859	0.32012987
2226	0.010729614	0.27700974
2227	0.010152284	0.31666667
2228	0.038067350	0.42994817
2229	0.009230769	0.55555556
2230	0.010526316	0.41994950
2231	0.009009009	0.36743970
2232	0.026315789	0.40476190
2233	0.042553191	0.53272727
2234	0.022088353	0.45915404
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2236	0.022864019	0.42047750
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2241	0.018867925	0.48074866
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2244	0.006289308	0.42435065
2245	0.005235602	0.32769264
2246	0.009287926	0.45500000
2247	0.012232416	0.25933141
2248	0.010554090	0.34318182
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2251	0.003361345	0.48762626
2252	0.006269592	0.34492175
2253	0.016216216	0.28301112
2254	0.012853470	0.34003247
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2269	0.005025126	0.19454546
2270	0.011594203	0.43964286
2271	0.010489510	0.33242424
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2274	0.005390836	0.32852437
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2276	0.030927835	0.30863095
2277	0.032258065	0.48409091
2278	0.018050542	0.43776420
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2287	0.017271157	0.43106792
2288	0.013840830	0.35460979
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2382	0.033722438	0.39696596
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2549	0.014423077	0.32662338
2550	0.005649718	0.55000000
2551	0.009456265	0.37424242
2552	0.024590164	0.26041667
2553	0.021505376	0.28384587
2554	0.000000000	0.31526375
2555	0.010989011	0.20901989
2556	0.030303030	0.36186869
2557	0.021961933	0.45542208
2558	0.007272727	0.37066667
2559	0.002824859	0.33969238
2560	0.012931034	0.45333333
2561	0.004484305	0.47272727
2562	0.016666667	0.24834711
2563	0.000000000	0.00000000
2564	0.011945392	0.27469697

	min_positive_polarity	max_positive_polarity	avg_negative_polarity
1	0.10000000	0.70000000	-0.35000000
2	0.03333333	0.70000000	-0.11875000
3	0.10000000	1.00000000	-0.46666667
4	0.13636364	0.80000000	-0.36969697
5	0.03333333	1.00000000	-0.22019231
6	0.13636364	0.60000000	-0.19500000
7	0.10000000	1.00000000	-0.22447917
8	0.10000000	1.00000000	-0.24277778
9	0.40000000	0.80000000	-0.12500000
10	0.10000000	0.50000000	-0.23809524
11	0.10000000	1.00000000	-0.41506410
12	0.20000000	0.70000000	-0.26250000
13	0.20000000	0.70000000	-0.31041667
14	0.16000000	1.00000000	-0.33788889
15	0.13636364	0.50000000	-0.13869048
16	0.05000000	0.60000000	-0.22014991
17	0.10000000	1.00000000	-0.40143678
18	0.03333333	1.00000000	-0.14464286
19	0.03333333	0.50000000	-0.12500000
20	0.10000000	1.00000000	-0.22678571

21	0.10000000	1.00000000	-0.20654762
22	0.05000000	0.35000000	-0.10833333
23	0.10000000	1.00000000	-0.23026316
24	0.10000000	0.60000000	0.00000000
25	0.13636364	0.43333333	-0.45648148
26	0.25000000	0.35000000	-0.11666667
27	0.10000000	1.00000000	-0.26388889
28	0.05000000	1.00000000	-0.20229167
29	0.13636364	0.60000000	-0.17750000
30	0.03333333	1.00000000	-0.21388889
31	0.10000000	1.00000000	-0.24444444
32	0.10000000	0.60000000	-0.34166667
33	0.13636364	1.00000000	-0.17777778
34	0.05000000	1.00000000	-0.22916667
35	0.10000000	1.00000000	-0.40000000
36	0.13636364	0.50000000	-0.32013889
37	0.03333333	1.00000000	-0.23026316
38	0.03333333	0.60000000	-0.39285714
39	0.10000000	0.70000000	-0.23281250
40	0.10000000	1.00000000	0.00000000
41	0.06250000	1.00000000	-0.21488095
42	0.13636364	0.60000000	0.00000000
43	0.10000000	1.00000000	-0.21488095
44	0.05000000	1.00000000	-0.26973684
45	0.10000000	1.00000000	-0.22291667
46	0.20000000	0.50000000	-0.30000000
47	0.03333333	1.00000000	-0.23611111
48	0.10000000	0.85000000	-0.36388889
49	0.10000000	1.00000000	-0.20574074
50	0.10000000	1.00000000	-0.23154762
51	0.10000000	0.50000000	-0.40000000
52	0.05000000	1.00000000	-0.20490196
53	0.10000000	1.00000000	-0.23154762
54	0.10000000	1.00000000	-0.21547619
55	0.10000000	1.00000000	-0.21235450
56	0.05000000	0.70000000	-0.22579365
57	0.05000000	0.60000000	-0.33888889
58	0.03333333	0.70000000	-0.40000000
59	0.10000000	0.70000000	0.00000000
60	0.10000000	0.50000000	-0.29047619
61	0.10000000	1.00000000	-0.21944444
62	0.10000000	0.60000000	0.00000000
63	0.10000000	1.00000000	-0.21538462
64	0.03333333	0.50000000	-0.18940972
65	0.10000000	1.00000000	-0.21500000
66	0.05000000	0.60000000	-0.17239583
67	0.10000000	0.33333333	-0.15092593
68	0.03333333	0.80000000	-0.18888889
69	0.03333333	1.00000000	-0.16666667
70	0.10000000	0.75000000	-0.10000000
71	0.10000000	1.00000000	-0.31018518
72	0.10000000	1.00000000	-0.26041667
73	0.10000000	0.50000000	-0.28000000
74	0.10000000	1.00000000	-0.23750000

75	0.10000000	1.00000000	−0.21346154
76	0.10000000	0.80000000	−0.13035714
77	0.03333333	1.00000000	−0.37261905
78	0.06250000	1.00000000	−0.25773810
79	0.03333333	1.00000000	−0.31666667
80	0.16666667	1.00000000	−0.36666667
81	0.10000000	0.50000000	−0.17612847
82	0.13636364	0.80000000	−0.15000000
83	0.13636364	0.50000000	−0.27847222
84	0.10000000	0.50000000	−0.23500000
85	0.13636364	0.40000000	−0.30000000
86	0.10000000	1.00000000	−0.19803922
87	0.25000000	1.00000000	−0.49791667
88	0.06250000	0.80000000	0.00000000
89	0.06250000	1.00000000	−0.25826389
90	0.10000000	1.00000000	−0.22291667
91	0.10000000	1.00000000	−0.22291667
92	0.03333333	0.80000000	−0.40833333
93	0.16000000	0.60000000	−0.16250000
94	0.03333333	0.70000000	−0.34940476
95	0.03333333	1.00000000	−0.23342857
96	0.10000000	0.50000000	−0.13055556
97	0.10000000	1.00000000	−0.50208333
98	0.10000000	1.00000000	−0.29566667
99	0.06250000	1.00000000	−0.34983165
100	0.10000000	0.80000000	−0.28333333
101	0.10000000	0.50000000	−0.48125000
102	0.10000000	1.00000000	−0.21011905
103	0.10000000	1.00000000	−0.21346154
104	0.10000000	1.00000000	−0.18732493
105	0.10000000	0.70000000	−0.19305556
106	0.03333333	1.00000000	−0.28333333
107	0.03333333	1.00000000	−0.26076389
108	0.10000000	0.50000000	−0.18750000
109	0.03333333	1.00000000	−0.30000000
110	0.10000000	1.00000000	−0.26250000
111	0.03333333	1.00000000	−0.17013889
112	0.10000000	0.70000000	−0.11851852
113	0.10000000	1.00000000	−0.43333333
114	0.10000000	1.00000000	−0.32083333
115	0.10000000	1.00000000	−0.26764706
116	0.13636364	0.60000000	−0.34393939
117	0.10000000	0.50000000	−0.52380952
118	0.13636364	1.00000000	−0.34761905
119	0.03333333	0.80000000	−0.21164021
120	0.10000000	0.20000000	−0.20000000
121	0.10000000	0.70000000	−0.45625000
122	0.21428571	0.80000000	−0.12500000
123	0.13636364	0.50000000	0.00000000
124	0.10000000	1.00000000	−0.32222222
125	0.10000000	0.70000000	−0.11041667
126	0.03333333	0.35000000	0.00000000
127	0.10000000	1.00000000	−0.40833333
128	0.28571429	0.28571429	−0.12500000

129	0.20000000	0.60000000	-0.48214286
130	0.10000000	1.00000000	-0.28333333
131	0.03333333	1.00000000	-0.41333333
132	0.10000000	1.00000000	-0.28833333
133	0.06250000	1.00000000	-0.22291667
134	0.10000000	0.50000000	-0.32619048
135	0.10000000	1.00000000	-0.21538462
136	0.10000000	1.00000000	-0.30043290
137	0.13636364	0.70000000	-0.20833333
138	0.10000000	1.00000000	-0.37500000
139	0.10000000	0.80000000	-0.31708333
140	0.10000000	0.50000000	-0.11904762
141	0.10000000	1.00000000	-0.33125000
142	0.03333333	1.00000000	-0.24100529
143	0.03333333	0.50000000	0.00000000
144	0.03333333	0.75000000	-0.25000000
145	0.13636364	0.70000000	-0.41022727
146	0.70000000	1.00000000	-0.29583333
147	0.10000000	0.70000000	-0.23425926
148	0.05000000	1.00000000	-0.25601852
149	0.13636364	0.80000000	0.00000000
150	0.06250000	1.00000000	-0.24722222
151	0.50000000	0.60000000	-0.14791667
152	0.10000000	0.50000000	-0.34000000
153	0.16000000	0.85000000	-0.80000000
154	0.10000000	0.30000000	-0.12500000
155	0.10000000	0.50000000	0.00000000
156	0.10000000	0.60000000	-0.44500000
157	0.25000000	1.00000000	-0.58518519
158	0.10000000	1.00000000	-0.23481482
159	0.10000000	0.50000000	-0.25555556
160	0.13636364	0.80000000	-0.26971726
161	0.10000000	0.50000000	-0.31250000
162	0.10000000	0.50000000	-0.35449735
163	0.06250000	1.00000000	-0.29066667
164	0.10000000	1.00000000	-0.21858974
165	0.06250000	0.70000000	-0.22881944
166	0.13636364	0.85000000	-0.48333333
167	0.06250000	0.50000000	-0.11666667
168	0.10000000	1.00000000	-0.24423077
169	0.37500000	1.00000000	-0.28571429
170	0.10000000	0.60000000	-0.32500000
171	0.13636364	0.50000000	-0.38809524
172	0.10000000	1.00000000	-0.21223958
173	0.10000000	1.00000000	-0.10000000
174	0.13636364	0.40000000	-0.19444444
175	0.13636364	0.37500000	-0.34833333
176	0.05000000	0.70000000	-0.25000000
177	0.05000000	0.80000000	-0.54000000
178	0.03333333	1.00000000	-0.20803571
179	0.03333333	0.70000000	-0.42777778
180	0.03333333	1.00000000	-0.28796296
181	0.06250000	1.00000000	0.00000000
182	0.05000000	1.00000000	-0.39945833

183	0.13636364	0.50000000	−0.25000000
184	0.10000000	0.60000000	−0.34331502
185	0.13636364	0.80000000	−0.45238095
186	0.10000000	0.60000000	−0.21666667
187	0.05000000	0.80000000	−0.25333333
188	0.10000000	0.70000000	−0.16666667
189	0.13636364	0.80000000	−0.29791667
190	0.13636364	0.50000000	−0.35333333
191	0.03333333	1.00000000	−0.33858974
192	0.25000000	1.00000000	−0.16666667
193	0.10000000	1.00000000	−0.32520833
194	0.10000000	1.00000000	−0.21000000
195	0.06250000	1.00000000	−0.20625000
196	0.03333333	1.00000000	−0.36250000
197	0.10000000	0.80000000	−0.24375000
198	0.05000000	0.60000000	−0.22910053
199	0.10000000	0.60000000	−0.25178571
200	0.03333333	0.80000000	−0.22757937
201	0.13636364	0.85000000	−0.10000000
202	0.05000000	0.50000000	−0.21051587
203	0.03333333	0.60000000	−0.26944444
204	0.10000000	1.00000000	−0.22738095
205	0.03333333	0.10000000	0.00000000
206	0.06250000	0.70000000	−0.18111111
207	0.13636364	1.00000000	−0.33612745
208	0.10000000	1.00000000	−0.24705882
209	0.10000000	0.80000000	−0.14107143
210	0.05000000	0.90000000	−0.25833333
211	0.05000000	0.60000000	−0.09166667
212	0.20000000	0.70000000	−0.35000000
213	0.03333333	0.85000000	−0.31388889
214	0.03333333	0.90000000	−0.21403509
215	0.05000000	1.00000000	−0.27882653
216	0.10000000	0.80000000	−0.58750000
217	0.10000000	0.43333333	−0.07187500
218	0.10000000	0.60000000	−0.16851852
219	0.10000000	1.00000000	−0.40648148
220	0.10000000	0.50000000	−0.20000000
221	0.13636364	0.50000000	−0.38571429
222	0.10000000	0.50000000	−0.15625000
223	0.06250000	1.00000000	−0.24305556
224	0.13636364	0.90000000	−0.34027778
225	0.10000000	1.00000000	−0.21346154
226	0.03333333	0.75000000	−0.25000000
227	0.10000000	1.00000000	−0.23075397
228	0.03333333	1.00000000	−0.11349206
229	0.05000000	1.00000000	−0.36790123
230	0.05000000	0.85000000	−0.19744544
231	0.10000000	0.60000000	−0.13958333
232	0.10000000	0.60000000	−0.16666667
233	0.20000000	1.00000000	−0.27689394
234	0.10000000	0.80000000	−0.40666667
235	0.10000000	1.00000000	−0.24666667
236	0.10000000	1.00000000	−0.33035714

237	0.03333333	0.80000000	-0.18958333
238	0.10000000	0.50000000	-0.41785714
239	0.05000000	1.00000000	-0.25011574
240	0.10000000	1.00000000	-0.35000000
241	0.05000000	0.80000000	-0.25833333
242	0.05000000	0.60000000	-0.47291667
243	0.10000000	0.40000000	0.00000000
244	0.40000000	0.80000000	-0.27777778
245	0.10000000	0.50000000	-0.15555556
246	0.20000000	0.80000000	-0.46666667
247	0.10000000	1.00000000	-0.24362745
248	0.10000000	1.00000000	-0.24194678
249	0.03333333	1.00000000	-0.12500000
250	0.20000000	1.00000000	-0.20937500
251	0.10000000	0.50000000	-0.12500000
252	0.13636364	0.13636364	0.00000000
253	0.06250000	0.60000000	-0.24652778
254	0.10000000	1.00000000	-0.31214815
255	0.13636364	0.60000000	-0.15625000
256	0.10000000	0.50000000	-0.30351732
257	0.10000000	1.00000000	-0.22605042
258	0.13636364	0.13636364	-0.11041667
259	0.20000000	0.40000000	-0.17083333
260	0.20000000	0.70000000	-0.22757937
261	0.06250000	0.75000000	-0.23888889
262	0.10000000	1.00000000	-0.21250000
263	0.13636364	0.60000000	-0.24791667
264	0.06250000	0.90000000	-0.10833333
265	0.10000000	1.00000000	-0.36807292
266	0.06250000	0.80000000	-0.36722222
267	0.10000000	0.50000000	-0.30758929
268	0.03333333	0.60000000	-0.25000000
269	0.10000000	1.00000000	-0.23197279
270	0.20000000	0.50000000	-0.31250000
271	0.10000000	0.80000000	-0.40000000
272	0.10000000	0.50000000	-0.15555556
273	0.16000000	1.00000000	-0.43674242
274	0.03333333	0.55000000	-0.20714286
275	0.13636364	1.00000000	0.00000000
276	0.20000000	1.00000000	0.00000000
277	0.03333333	0.80000000	-0.20238095
278	0.10000000	1.00000000	-0.29196429
279	0.05000000	1.00000000	-0.19027778
280	0.13636364	1.00000000	-0.21250000
281	0.10000000	0.80000000	-0.25740741
282	0.10000000	1.00000000	-0.22857143
283	0.10000000	0.60000000	-0.26875000
284	0.25000000	0.80000000	-0.23333333
285	0.10000000	0.50000000	-0.27500000
286	0.03333333	1.00000000	-0.11666667
287	0.10000000	0.75000000	-0.33125000
288	0.06250000	0.70000000	-0.23374486
289	0.10000000	0.50000000	-0.18750000
290	0.10000000	1.00000000	-0.21477273

291	0.10000000	1.00000000	−0.19746032
292	0.05000000	1.00000000	−0.23883929
293	0.25000000	1.00000000	−0.24598765
294	0.10000000	1.00000000	−0.25666667
295	0.10000000	1.00000000	−0.32666667
296	0.10000000	1.00000000	−0.31212121
297	0.10000000	1.00000000	−0.45000000
298	0.10000000	1.00000000	−0.31250000
299	0.03333333	0.80000000	−0.35666667
300	0.06250000	1.00000000	−0.23875000
301	0.10000000	1.00000000	−0.26250000
302	0.13636364	0.80000000	−0.41416667
303	0.10000000	0.50000000	−0.23263889
304	0.10000000	0.50000000	−0.28333333
305	0.10000000	1.00000000	−0.30000000
306	0.16000000	0.60000000	−0.12685185
307	0.10000000	1.00000000	−0.28277778
308	0.10000000	0.50000000	−0.18333333
309	0.13636364	1.00000000	−0.15138889
310	0.10000000	0.70000000	−0.12314815
311	0.05000000	1.00000000	−0.10000000
312	0.03333333	0.60000000	−0.32000000
313	0.10000000	1.00000000	−0.38250000
314	0.05000000	1.00000000	−0.26704545
315	0.13636364	1.00000000	−0.39375000
316	0.25000000	1.00000000	−0.10000000
317	0.03333333	1.00000000	−0.28724937
318	0.10000000	0.60000000	−0.16250000
319	0.13636364	1.00000000	−0.35753968
320	0.03333333	0.80000000	−0.41896367
321	0.20000000	0.70000000	−0.45555556
322	0.10000000	1.00000000	−0.21607143
323	0.06250000	1.00000000	−0.12250000
324	0.10000000	1.00000000	−0.23839286
325	0.13636364	0.70000000	−0.35763889
326	0.10000000	1.00000000	−0.21346154
327	0.03333333	0.80000000	−0.23125000
328	0.50000000	0.50000000	−0.55166667
329	0.13636364	1.00000000	−0.21645299
330	0.10000000	1.00000000	−0.23095238
331	0.10000000	1.00000000	−0.22589286
332	0.06250000	0.90000000	−0.24675926
333	0.20000000	1.00000000	−0.13750000
334	0.10000000	0.83333333	−0.26489899
335	0.10000000	1.00000000	−0.24319292
336	0.10000000	0.60000000	−0.25138889
337	0.10000000	1.00000000	−0.25227273
338	0.13636364	0.80000000	−0.12500000
339	0.20000000	1.00000000	−0.08750000
340	0.10000000	1.00000000	−0.35868056
341	0.10000000	0.80000000	−0.28333333
342	0.05000000	0.70000000	−0.33958333
343	0.05000000	1.00000000	−0.21550926
344	0.10000000	0.50000000	−0.38333333

345	0.10000000	1.00000000	-0.25347222
346	0.03333333	0.50000000	-0.34166667
347	0.10000000	1.00000000	-0.23035714
348	0.05000000	1.00000000	-0.34722222
349	0.10000000	1.00000000	-0.31666667
350	0.10000000	1.00000000	-0.16620370
351	0.10000000	1.00000000	-0.35277778
352	0.10000000	0.60000000	0.00000000
353	0.10000000	1.00000000	-0.20069444
354	0.10000000	0.50000000	-0.16123016
355	0.10000000	0.85000000	-0.50000000
356	0.10000000	1.00000000	-0.26718750
357	0.03333333	1.00000000	-0.24814815
358	0.05000000	1.00000000	-0.43333333
359	0.10000000	0.80000000	-0.37731482
360	0.13636364	0.70000000	-0.40000000
361	0.05000000	0.85000000	-0.19253472
362	0.10000000	0.90000000	-0.24791667
363	0.03333333	0.80000000	-0.20555556
364	0.10000000	0.60000000	-0.39507937
365	0.05000000	0.15000000	-0.65714286
366	0.10000000	1.00000000	-0.07142857
367	0.10000000	0.70000000	-0.25625000
368	0.03333333	0.60000000	-0.20833333
369	0.10000000	1.00000000	-0.26250000
370	0.03333333	1.00000000	-0.33878968
371	0.05000000	1.00000000	-0.26021825
372	0.40000000	0.90000000	-0.30595238
373	0.10000000	0.80000000	-0.21574074
374	0.10000000	0.50000000	-0.12500000
375	0.03333333	0.90000000	-0.15092593
376	0.00000000	0.00000000	-0.30000000
377	0.03333333	0.80000000	-0.08750000
378	0.10000000	1.00000000	-0.47500000
379	0.05000000	1.00000000	-0.22114197
380	0.10000000	0.60000000	-0.15416667
381	0.10000000	0.60000000	-0.26041667
382	0.05000000	0.75000000	-0.16250000
383	0.13636364	0.80000000	-0.12500000
384	0.03333333	0.80000000	-0.39382440
385	0.20000000	0.90000000	-0.19982906
386	0.10000000	0.50000000	-0.14583333
387	0.10000000	1.00000000	-0.28472222
388	0.03333333	1.00000000	-0.12500000
389	0.16000000	1.00000000	-0.24768519
390	0.10000000	1.00000000	-0.32893519
391	0.10000000	1.00000000	-0.25000000
392	0.05000000	1.00000000	-0.14027778
393	0.03333333	1.00000000	-0.30336538
394	0.03333333	1.00000000	-0.20445956
395	0.10000000	1.00000000	-0.23653846
396	0.03333333	1.00000000	-0.26361607
397	0.10000000	1.00000000	-0.32500000
398	0.10000000	1.00000000	-0.39750000

399	0.03333333	1.00000000	-0.26770833
400	0.10000000	1.00000000	-0.22306548
401	0.10000000	1.00000000	-0.18503086
402	0.03333333	0.80000000	-0.10937500
403	0.03333333	0.80000000	-0.41666667
404	0.10000000	0.50000000	-0.10000000
405	0.50000000	0.80000000	-0.33344671
406	0.10000000	0.50000000	-0.27904762
407	0.05000000	0.80000000	-0.23055556
408	0.10000000	0.50000000	-0.58392857
409	0.05000000	1.00000000	-0.35227273
410	0.16000000	1.00000000	-0.31260417
411	0.10000000	1.00000000	-0.23055556
412	0.10000000	0.50000000	-0.12928571
413	0.25000000	0.50000000	-0.15000000
414	0.16000000	0.40000000	-0.13888889
415	0.05000000	0.50000000	-0.24375000
416	0.03333333	1.00000000	-0.44189815
417	0.10000000	0.60000000	-0.33125000
418	0.03333333	1.00000000	-0.13333333
419	0.03333333	0.90000000	-0.21562500
420	0.10000000	1.00000000	-0.26428571
421	0.10000000	0.50000000	-0.19444444
422	0.10000000	1.00000000	-0.24786325
423	0.06250000	1.00000000	-0.29372711
424	0.03333333	0.50000000	-0.06250000
425	0.10000000	0.85000000	-0.18944444
426	0.10000000	0.80000000	-0.16607143
427	0.03333333	1.00000000	-0.41166667
428	0.10000000	1.00000000	-0.49722222
429	0.05000000	1.00000000	-0.25277778
430	0.03333333	0.60000000	-0.38776042
431	0.03333333	0.60000000	-0.24469697
432	0.25000000	0.70000000	-0.16250000
433	0.03333333	0.80000000	-0.17083333
434	0.13636364	1.00000000	-0.18000000
435	0.03333333	1.00000000	-0.29388889
436	0.10000000	0.60000000	-0.38000000
437	0.10000000	0.50000000	-0.40000000
438	0.05000000	1.00000000	-0.43919913
439	0.03333333	0.70000000	-0.30748557
440	0.10000000	0.90000000	-0.19527778
441	0.10000000	0.50000000	-0.36458333
442	0.03333333	0.50000000	-0.24545454
443	0.03333333	0.60000000	-0.11666667
444	0.10000000	0.50000000	-0.42738095
445	0.13636364	1.00000000	-0.41150794
446	0.10000000	0.70000000	-0.27226191
447	0.10000000	1.00000000	-0.31408730
448	0.10000000	1.00000000	-0.35935847
449	0.03333333	1.00000000	-0.29570106
450	0.03333333	0.50000000	-0.11666667
451	0.20000000	0.70000000	-0.34391026
452	0.16666667	1.00000000	-0.12500000

453	0.10000000	1.00000000	-0.12013889
454	0.10000000	0.60000000	-0.38672840
455	0.03333333	1.00000000	-0.05000000
456	0.03333333	0.60000000	-0.30878685
457	0.03333333	1.00000000	-0.29861111
458	0.03333333	1.00000000	-0.20000000
459	0.13636364	0.50000000	-0.48125000
460	0.05000000	0.70000000	-0.24375000
461	0.03333333	0.50000000	-0.26144180
462	0.03333333	0.80000000	-0.26899802
463	0.03333333	1.00000000	-0.14166667
464	0.10000000	0.50000000	0.00000000
465	0.20000000	0.60000000	-0.26111111
466	0.03333333	0.50000000	-0.23055556
467	0.03333333	1.00000000	-0.30000000
468	0.13636364	0.50000000	-0.15555556
469	0.13636364	1.00000000	-0.68666667
470	0.05000000	0.80000000	-0.48679654
471	0.10000000	0.50000000	-0.08571429
472	0.03333333	0.80000000	-0.29285714
473	0.03333333	0.50000000	-0.18111111
474	0.10000000	0.50000000	-0.16250000
475	0.03333333	0.50000000	-0.27626488
476	0.05000000	0.75000000	-0.21041667
477	0.10000000	1.00000000	-0.23783069
478	0.40000000	0.70000000	-0.13055556
479	0.10000000	0.40000000	-0.34617347
480	0.10000000	0.80000000	-0.16111111
481	0.13636364	0.60000000	0.00000000
482	0.13636364	0.50000000	-0.14166667
483	0.10000000	1.00000000	-0.26006944
484	0.15000000	0.80000000	-0.50000000
485	0.03333333	0.80000000	-0.23437500
486	0.03333333	0.70000000	-0.17928571
487	0.06250000	1.00000000	-0.17954545
488	0.10000000	1.00000000	-0.28888889
489	0.10000000	0.80000000	-0.33875000
490	0.10000000	0.75000000	-0.25000000
491	0.03333333	0.80000000	-0.29282407
492	0.10000000	0.60000000	-0.29361111
493	0.03333333	1.00000000	-0.13472222
494	0.10000000	1.00000000	-0.14027778
495	0.03333333	1.00000000	-0.22321429
496	0.10000000	0.70000000	-0.44166667
497	0.03333333	1.00000000	-0.27862637
498	0.10000000	1.00000000	-0.34250000
499	0.03333333	1.00000000	-0.21468254
500	0.25000000	0.70000000	-0.34269231
501	0.10000000	0.50000000	-0.11250000
502	0.03333333	1.00000000	-0.33437500
503	0.13636364	0.70000000	0.00000000
504	0.03333333	0.80000000	-0.42976190
505	0.03333333	0.60000000	-0.14523810
506	0.06250000	1.00000000	-0.23703704

507	0.10000000	0.60000000	-0.10000000
508	0.10000000	0.70000000	-0.31785714
509	0.05000000	0.85000000	-0.25370370
510	0.13636364	0.70000000	-0.27750000
511	0.03333333	0.70000000	-0.38000000
512	0.13636364	0.55000000	-0.30972222
513	0.06250000	0.80000000	-0.30454546
514	0.10000000	0.90000000	-0.14472222
515	0.10000000	1.00000000	-0.29375000
516	0.25000000	1.00000000	0.00000000
517	0.13636364	0.60000000	-0.34444444
518	0.10000000	0.80000000	-0.21785714
519	0.10000000	0.50000000	-0.29523809
520	0.03333333	0.50000000	-0.17569444
521	0.10000000	1.00000000	-0.23112318
522	0.05000000	0.85000000	-0.38920068
523	0.10000000	0.80000000	-0.31805556
524	0.03333333	0.50000000	-0.30719955
525	0.20000000	1.00000000	-0.25000000
526	0.10000000	0.70000000	-0.26666667
527	0.10000000	1.00000000	-0.18888889
528	0.10000000	1.00000000	-0.41104167
529	0.10000000	1.00000000	-0.18916667
530	0.10000000	1.00000000	-0.33281250
531	0.03333333	0.75000000	-0.18500000
532	0.03333333	0.60000000	-0.12777778
533	0.03333333	0.60000000	-0.25555556
534	0.03333333	1.00000000	-0.24102891
535	0.03333333	0.80000000	-0.29102183
536	0.03333333	0.50000000	-0.08750000
537	0.10000000	1.00000000	-0.34642857
538	0.05000000	0.50000000	-0.41250000
539	0.06250000	0.50000000	-0.16666667
540	0.03333333	0.80000000	-0.24852608
541	0.20000000	0.70000000	-0.49375000
542	0.10000000	0.60000000	-0.21574074
543	0.10000000	0.25000000	-0.31250000
544	0.10000000	1.00000000	-0.38636364
545	0.10000000	0.70000000	-0.20000000
546	0.10000000	0.50000000	-0.20833333
547	0.10000000	0.37500000	-0.10000000
548	0.03333333	0.75000000	0.00000000
549	0.06250000	0.50000000	-0.32500000
550	0.20000000	1.00000000	-0.25625000
551	0.16000000	0.80000000	-0.25000000
552	0.06250000	0.80000000	-0.24104809
553	0.05000000	0.80000000	-0.20833333
554	0.03333333	0.80000000	-0.23680556
555	0.03333333	0.60000000	-0.15312500
556	0.03333333	0.85000000	-0.39145833
557	0.15000000	0.60000000	-0.62500000
558	0.10000000	0.50000000	-0.28416667
559	0.13636364	0.30000000	-0.18690476
560	0.10000000	0.50000000	-0.47681159

561	0.10000000	0.75000000	-0.29826389
562	0.03333333	0.75000000	-0.19642857
563	0.05000000	1.00000000	-0.25003157
564	0.03333333	0.90000000	-0.36287879
565	0.43333333	0.85000000	-0.20000000
566	0.28571429	0.30000000	0.00000000
567	0.10000000	0.80000000	-0.15625000
568	0.20000000	0.80000000	-0.35714286
569	0.03333333	0.60000000	-0.18888889
570	0.03333333	0.80000000	-0.27500000
571	0.13636364	0.50000000	-0.16250000
572	0.10000000	0.80000000	-0.27361111
573	0.10000000	0.80000000	-0.24375000
574	0.10000000	0.60000000	-0.30476190
575	0.03333333	1.00000000	-0.34204545
576	0.13636364	0.70000000	-0.11875000
577	0.03333333	0.60000000	-0.22666667
578	0.13636364	0.60000000	-0.62500000
579	0.20000000	0.60000000	-0.15555556
580	0.13636364	0.70000000	-0.20902778
581	0.03333333	0.50000000	-0.37187500
582	0.13636364	0.50000000	-0.15000000
583	0.13636364	0.60000000	-0.35416667
584	0.20000000	1.00000000	-0.38928571
585	0.10000000	1.00000000	-0.27083333
586	0.10000000	0.50000000	-0.17500000
587	0.03333333	0.60000000	-0.34236111
588	0.00000000	0.00000000	-0.21388889
589	0.10000000	0.80000000	0.00000000
590	0.10000000	1.00000000	-0.37333333
591	0.25000000	0.50000000	-0.14500000
592	0.03333333	1.00000000	-0.21101190
593	0.10000000	0.50000000	-0.18177083
594	0.03333333	1.00000000	-0.31695261
595	0.10000000	0.70000000	-0.31590909
596	0.06250000	0.60000000	-0.26701389
597	0.10000000	1.00000000	-0.36666667
598	0.13636364	0.50000000	-0.27500000
599	0.10000000	1.00000000	-0.18148148
600	0.10000000	1.00000000	-0.20759259
601	0.03333333	1.00000000	-0.18130952
602	0.03333333	0.70000000	-0.24609375
603	0.05000000	0.73333333	-0.23541667
604	0.10000000	1.00000000	-0.38916667
605	0.20000000	1.00000000	-0.30386905
606	0.10000000	0.50000000	-0.25000000
607	0.03333333	0.90000000	-0.12187500
608	0.10000000	1.00000000	-0.18750000
609	0.05000000	1.00000000	-0.35227273
610	0.13636364	0.70000000	-0.21979167
611	0.10000000	0.50000000	-0.51851852
612	0.03333333	0.75000000	-0.34512987
613	0.03333333	0.80000000	-0.45468750
614	0.10000000	1.00000000	-0.35625000

615	0.03333333	0.75000000	0.00000000
616	0.03333333	0.90000000	-0.31640625
617	0.03333333	1.00000000	-0.31681878
618	0.13636364	0.60000000	-0.12500000
619	0.03333333	0.50000000	-0.19345238
620	0.13636364	0.50000000	-0.23222222
621	0.03333333	1.00000000	-0.26817766
622	0.10000000	0.80000000	-0.46203704
623	0.10000000	1.00000000	-0.28637566
624	0.10000000	0.60000000	-0.26666667
625	0.10000000	0.60000000	-0.22685185
626	0.10000000	0.85000000	-0.35555556
627	0.13636364	1.00000000	-0.33333333
628	0.10000000	0.50000000	-0.23051215
629	0.03333333	1.00000000	-0.20747863
630	0.05000000	1.00000000	-0.24671202
631	0.10000000	1.00000000	-0.22916667
632	0.10000000	0.50000000	-0.25901360
633	0.03333333	1.00000000	-0.28201058
634	0.10000000	0.50000000	-0.12500000
635	0.16000000	0.80000000	-0.38541667
636	0.03333333	1.00000000	-0.24111111
637	0.05000000	1.00000000	-0.29756944
638	0.10000000	0.80000000	-0.21666667
639	0.10000000	0.20000000	0.00000000
640	0.10000000	1.00000000	-0.32244152
641	0.10000000	1.00000000	-0.28750000
642	0.03333333	1.00000000	-0.20000000
643	0.16000000	0.50000000	-0.25306122
644	0.03333333	0.50000000	-0.15000000
645	0.25000000	0.90000000	-0.16666667
646	0.50000000	0.73333333	-0.29166667
647	0.10000000	1.00000000	-0.23055556
648	0.03333333	0.50000000	0.00000000
649	0.40000000	0.40000000	-0.22222222
650	0.10000000	0.90000000	-0.13333333
651	0.10000000	0.70000000	-0.26666667
652	0.10000000	0.85000000	-0.15793651
653	0.25000000	0.70000000	-0.39583333
654	0.13636364	0.40000000	-0.25138889
655	0.03333333	1.00000000	-0.27341270
656	0.03333333	0.50000000	-0.26833333
657	0.10000000	0.80000000	-0.20625000
658	0.03333333	0.90000000	-0.22750000
659	0.13636364	0.85000000	-0.32500000
660	0.10000000	1.00000000	-0.16250000
661	0.13636364	0.55000000	-0.20714286
662	0.03333333	1.00000000	-0.35579365
663	0.25000000	0.70000000	0.00000000
664	0.40000000	1.00000000	-0.37152778
665	0.10000000	0.80000000	-0.22500000
666	0.03333333	0.75000000	-0.32256944
667	0.20000000	0.90000000	-0.15327381
668	0.03333333	0.03333333	-0.21250000

669	0.10000000	1.00000000	-0.22833333
670	0.13636364	0.70000000	-0.10000000
671	0.13636364	0.50000000	-0.47500000
672	0.13636364	0.40000000	0.00000000
673	0.10000000	1.00000000	-0.14722222
674	0.10000000	0.50000000	-0.12928571
675	0.10000000	1.00000000	-0.25808081
676	0.10000000	1.00000000	-0.25075758
677	0.03333333	0.60000000	-0.13958333
678	0.10000000	0.90000000	-0.53750000
679	0.20000000	1.00000000	-0.15500000
680	0.10000000	0.80000000	-0.31579670
681	0.03333333	1.00000000	-0.18596491
682	0.05000000	0.50000000	-0.11250000
683	0.03333333	1.00000000	-0.33858974
684	0.08333333	0.50000000	-0.35387807
685	0.20000000	0.60000000	-0.23928571
686	0.13636364	0.80000000	-0.18750000
687	0.06250000	0.60000000	-0.26666667
688	0.10000000	1.00000000	-0.44270833
689	0.03333333	1.00000000	-0.40416667
690	0.13636364	1.00000000	-0.20000000
691	0.30000000	1.00000000	-0.15416667
692	0.13636364	1.00000000	-0.18750000
693	0.06250000	0.70000000	-0.21250000
694	0.10000000	0.60000000	-0.10652778
695	0.10000000	1.00000000	-0.23562030
696	0.20000000	1.00000000	-0.33125000
697	0.13636364	0.75000000	-0.26444444
698	0.10000000	1.00000000	-0.38302469
699	0.10000000	0.80000000	-0.59819376
700	0.03333333	0.80000000	-0.05000000
701	0.13636364	0.20000000	-0.18125000
702	0.13636364	0.50000000	-0.35674603
703	0.05000000	0.80000000	-0.20787037
704	0.10000000	0.80000000	-0.15833333
705	0.16666667	1.00000000	-0.40000000
706	0.10000000	0.50000000	-0.32222222
707	0.03333333	0.80000000	-0.29898990
708	0.03333333	1.00000000	-0.25000000
709	0.00000000	0.00000000	-0.25000000
710	0.10000000	1.00000000	-0.21309524
711	0.03333333	1.00000000	-0.30406746
712	0.03333333	1.00000000	-0.23420139
713	0.10000000	0.80000000	-0.14603175
714	0.03333333	1.00000000	-0.70000000
715	0.05000000	0.85000000	-0.35000000
716	0.03333333	1.00000000	-0.46250000
717	0.03333333	0.70000000	-0.61590909
718	0.10000000	0.80000000	-0.25000000
719	0.10000000	0.50000000	-0.17000000
720	0.10000000	1.00000000	-0.22777778
721	0.05000000	0.50000000	-1.00000000
722	0.10000000	1.00000000	-0.22916667

723	0.05000000	1.00000000	-0.26172840
724	0.10000000	1.00000000	-0.40517241
725	0.13636364	1.00000000	-0.48000000
726	0.10000000	0.80000000	-0.15000000
727	0.20000000	0.80000000	0.00000000
728	0.10000000	1.00000000	-0.50000000
729	0.05000000	1.00000000	-0.26780303
730	0.05000000	1.00000000	-0.28270202
731	0.03333333	1.00000000	-0.22653770
732	0.05000000	0.80000000	-0.22885101
733	0.10000000	1.00000000	-0.75000000
734	0.03333333	0.50000000	-0.11666667
735	0.03333333	1.00000000	-0.17500000
736	0.13636364	0.25000000	-0.16666667
737	0.05000000	1.00000000	-0.36323529
738	0.05000000	0.80000000	-0.35750000
739	0.10000000	1.00000000	-0.36143791
740	0.10000000	1.00000000	-0.13888889
741	0.13636364	0.13636364	-0.60000000
742	0.06250000	1.00000000	-0.44444444
743	0.10000000	0.50000000	-0.42500000
744	0.50000000	0.50000000	-0.70000000
745	0.03333333	0.60000000	-0.21666667
746	0.10000000	0.50000000	-0.23750000
747	0.35000000	0.50000000	-0.25000000
748	0.10000000	1.00000000	-0.19682540
749	0.03333333	1.00000000	-0.34750000
750	0.03333333	1.00000000	-0.13194444
751	0.03333333	1.00000000	-0.32500000
752	0.20000000	0.60000000	-0.28935185
753	0.25000000	1.00000000	-0.07500000
754	0.10000000	0.50000000	-0.16000000
755	0.10000000	0.75000000	-0.12500000
756	0.16666667	0.80000000	-0.10000000
757	0.10000000	1.00000000	-0.29444444
758	0.10000000	1.00000000	-0.18680556
759	0.10000000	0.60000000	-0.15416667
760	0.03333333	0.50000000	-0.22261905
761	0.13636364	0.85000000	-0.21180556
762	0.03333333	0.80000000	-0.33103865
763	0.10000000	0.50000000	-0.23333333
764	0.03333333	1.00000000	-0.30000000
765	0.05000000	0.60000000	-0.40535714
766	0.03333333	0.60000000	-0.39351852
767	0.10000000	0.50000000	-0.16666667
768	0.10000000	1.00000000	-0.26029412
769	0.10000000	1.00000000	-0.14166667
770	0.10000000	1.00000000	-0.24876543
771	0.10000000	1.00000000	-0.13333333
772	0.10000000	1.00000000	-0.43750000
773	0.05000000	0.80000000	-0.46041667
774	0.05000000	1.00000000	0.00000000
775	0.05000000	0.70000000	-0.55500000
776	0.03333333	1.00000000	-0.25669516

777	0.20000000	0.50000000	-0.30000000
778	0.05000000	0.70000000	-0.49722222
779	0.10000000	1.00000000	-0.33845238
780	0.03333333	1.00000000	-0.20907738
781	0.05000000	0.50000000	-0.17500000
782	0.10000000	1.00000000	-0.23974359
783	0.03333333	1.00000000	-0.50000000
784	0.10000000	1.00000000	0.00000000
785	0.03333333	0.70000000	-0.17178571
786	0.10000000	1.00000000	-0.15500000
787	0.03333333	1.00000000	-0.13333333
788	0.06250000	1.00000000	-0.19290124
789	0.10000000	0.50000000	0.00000000
790	0.03333333	0.80000000	-0.50000000
791	0.03333333	1.00000000	-0.22222222
792	0.03333333	1.00000000	-0.26191239
793	0.10000000	1.00000000	-0.22500000
794	0.10000000	1.00000000	-0.52500000
795	0.13636364	0.40000000	0.00000000
796	0.03333333	1.00000000	-0.14375000
797	0.13636364	0.50000000	-0.15625000
798	0.10000000	0.50000000	-0.25000000
799	0.10000000	0.80000000	-0.15333333
800	0.13636364	0.50000000	-0.33333333
801	0.10000000	1.00000000	-0.33531746
802	0.13636364	1.00000000	-0.17708333
803	0.03333333	0.60000000	-0.46500000
804	0.10000000	0.85000000	-0.32017974
805	0.03333333	1.00000000	-0.29687500
806	0.10000000	0.80000000	-0.14338624
807	0.10000000	0.50000000	-0.25000000
808	0.16000000	0.16000000	-0.25000000
809	0.10000000	1.00000000	-0.28333333
810	0.05000000	1.00000000	-0.28833333
811	0.03333333	1.00000000	-0.11250000
812	0.03333333	1.00000000	-0.23163265
813	0.10000000	0.60000000	-0.21333333
814	0.03333333	1.00000000	-0.24008838
815	0.03333333	0.50000000	-0.20833333
816	0.10000000	0.70000000	-0.21666667
817	0.13636364	0.60000000	-0.30000000
818	0.13636364	0.60000000	-0.33506944
819	0.10000000	0.50000000	-0.40000000
820	0.13636364	0.40000000	-0.40833333
821	0.10000000	0.80000000	-0.16836219
822	0.20000000	0.60000000	-0.31746032
823	0.10000000	1.00000000	-0.25740741
824	0.10000000	0.50000000	-0.36666667
825	0.13636364	0.50000000	-0.33333333
826	0.03333333	1.00000000	-0.19312866
827	0.10000000	1.00000000	-0.34305556
828	0.10000000	1.00000000	-0.32152778
829	0.03333333	0.80000000	-0.19507576
830	0.03333333	0.70000000	-0.24656863

831	0.10000000	0.50000000	-0.12500000
832	0.10000000	0.40000000	0.00000000
833	0.05000000	1.00000000	-0.19833333
834	0.03333333	1.00000000	-0.35707283
835	0.10000000	0.70000000	-0.18561699
836	0.10000000	0.70000000	-0.29722222
837	0.20000000	0.50000000	-0.20000000
838	0.10000000	0.55000000	-0.21388889
839	0.10000000	0.75000000	-0.25608466
840	0.06250000	0.60000000	-0.28035714
841	0.20000000	0.41666667	-0.13750000
842	0.10000000	1.00000000	-0.31294872
843	0.28571429	0.70000000	-0.55000000
844	0.10000000	0.60000000	-0.43630952
845	0.03333333	0.80000000	-0.30000000
846	0.03333333	0.70000000	-0.41666667
847	0.03333333	0.50000000	-0.40000000
848	0.10000000	0.70000000	0.00000000
849	0.10000000	0.80000000	-0.29007936
850	0.10000000	0.90000000	-0.20138889
851	0.13636364	1.00000000	-0.12916667
852	0.10000000	0.60000000	-0.22083333
853	0.10000000	1.00000000	-0.21823344
854	0.05000000	0.60000000	-0.19386201
855	0.10000000	1.00000000	-0.25000000
856	0.03333333	1.00000000	-0.30166667
857	0.20000000	0.70000000	0.00000000
858	0.10000000	0.80000000	-0.21792929
859	0.30000000	0.70000000	0.00000000
860	0.05000000	0.50000000	-0.26865079
861	0.10000000	0.50000000	-0.20000000
862	0.13636364	1.00000000	-0.07142857
863	0.13636364	1.00000000	-0.38194444
864	0.05000000	0.60000000	-0.26060606
865	0.03333333	0.70000000	-0.17500000
866	0.13636364	0.60000000	-0.20000000
867	0.13636364	0.80000000	0.00000000
868	0.10000000	0.16666667	-0.20000000
869	0.05000000	0.60000000	-0.30416667
870	0.13636364	0.50000000	-0.27500000
871	0.05000000	0.80000000	-0.36875000
872	0.03333333	0.70000000	-0.16875000
873	0.13636364	0.60000000	-0.16316138
874	0.03333333	0.50000000	-0.33209877
875	0.10000000	0.80000000	-0.25833333
876	0.10000000	1.00000000	-0.43888889
877	0.10000000	1.00000000	-0.38325163
878	0.10000000	1.00000000	-0.29772080
879	0.40000000	1.00000000	-0.54166667
880	0.10000000	0.10000000	0.00000000
881	0.16666667	0.60000000	-0.12425595
882	0.10000000	0.80000000	-0.20000000
883	0.10000000	0.70000000	-0.21342593
884	0.06250000	1.00000000	0.00000000

885	0.13636364	0.50000000	-0.15000000
886	0.25000000	1.00000000	-0.68000000
887	0.05000000	0.70000000	-0.35625000
888	0.10000000	1.00000000	-0.24107143
889	0.10000000	0.90000000	-0.53333333
890	0.10000000	0.50000000	-0.23154762
891	0.05000000	1.00000000	-0.23513072
892	0.10000000	1.00000000	-0.37500000
893	0.03333333	0.50000000	-0.25448718
894	0.00000000	0.00000000	0.00000000
895	0.10000000	1.00000000	-0.41269841
896	0.03333333	0.80000000	-0.30833333
897	0.10000000	0.60000000	-0.11250000
898	0.03333333	0.60000000	-0.26250000
899	0.10000000	1.00000000	-0.40000000
900	0.10000000	1.00000000	-0.20952381
901	0.10000000	1.00000000	-0.20580808
902	0.20000000	0.50000000	-0.21944444
903	0.25000000	0.50000000	-0.21944444
904	0.03333333	1.00000000	-0.14444444
905	0.13636364	0.50000000	-0.13333333
906	0.10000000	1.00000000	-0.25583333
907	0.10000000	0.80000000	-0.23944444
908	0.03333333	0.80000000	-0.32740741
909	0.16666667	0.50000000	0.00000000
910	0.50000000	1.00000000	-0.32361111
911	0.33333333	1.00000000	-0.14791667
912	0.03333333	1.00000000	-0.24453463
913	0.10000000	1.00000000	-0.21666667
914	0.10000000	1.00000000	-0.21593915
915	0.03333333	0.60000000	-0.37500000
916	0.10000000	0.60000000	-0.24075964
917	0.05000000	0.60000000	-0.15416667
918	0.00000000	0.00000000	0.00000000
919	0.20000000	0.50000000	-0.19027778
920	0.10000000	0.70000000	-0.45833333
921	0.25000000	0.80000000	0.00000000
922	0.03333333	1.00000000	-0.25098380
923	0.20000000	0.50000000	-0.23611111
924	0.13636364	0.70000000	-0.15648148
925	0.03333333	0.50000000	-0.24908234
926	0.03333333	0.70000000	-0.22525253
927	0.10000000	0.50000000	-0.12361111
928	0.05000000	0.60000000	-0.31358025
929	0.10000000	1.00000000	-0.16574074
930	0.10000000	1.00000000	-0.27361111
931	0.20000000	1.00000000	-0.60000000
932	0.10000000	1.00000000	-0.18333333
933	0.03333333	1.00000000	-0.05000000
934	0.06250000	1.00000000	-0.21602830
935	0.03333333	0.80000000	-0.31250000
936	0.13636364	0.50000000	0.00000000
937	0.03333333	1.00000000	-0.14768518
938	0.13636364	0.60000000	-0.23284970

939	0.13636364	0.70000000	-0.22833333
940	0.10000000	1.00000000	-0.18508772
941	0.10000000	0.50000000	-0.20833333
942	0.10000000	0.60000000	-0.08750000
943	0.10000000	0.50000000	-1.00000000
944	0.05000000	0.70000000	-0.40000000
945	0.10000000	1.00000000	-0.26489899
946	0.10000000	0.75000000	-0.16666667
947	0.10000000	0.70000000	-0.29629630
948	0.10000000	0.70000000	-0.20000000
949	0.10000000	1.00000000	-0.21250000
950	0.10000000	0.80000000	-0.24047619
951	0.03333333	0.80000000	-0.35625000
952	0.16666667	1.00000000	-0.39166667
953	0.03333333	0.40000000	-0.30000000
954	0.03333333	0.80000000	-0.20312500
955	0.37500000	0.50000000	-0.31944444
956	0.13636364	0.80000000	-0.70000000
957	0.03333333	0.80000000	-0.34898990
958	0.10000000	0.50000000	-0.28333333
959	0.05000000	1.00000000	-0.27857143
960	0.10000000	0.70000000	-0.40000000
961	0.33333333	0.50000000	0.00000000
962	0.10000000	1.00000000	-0.27660819
963	0.03333333	0.50000000	-0.30138889
964	0.05000000	1.00000000	-0.35416667
965	0.20000000	0.60000000	-0.30000000
966	0.10000000	0.80000000	-0.20623583
967	0.03333333	1.00000000	-0.31666667
968	0.10000000	0.50000000	-0.24791667
969	0.13636364	0.50000000	-0.18750000
970	0.10000000	0.60000000	-0.12500000
971	0.03333333	0.80000000	-0.28555556
972	0.10000000	1.00000000	-0.36000000
973	0.10000000	0.50000000	-0.21250000
974	0.03333333	1.00000000	-0.27222222
975	0.03333333	1.00000000	-0.26924603
976	0.03333333	0.80000000	-0.13541667
977	0.10000000	0.50000000	-0.20000000
978	0.03333333	1.00000000	-0.28416667
979	0.10000000	0.80000000	-0.18273809
980	0.05000000	0.80000000	-0.27321429
981	0.20000000	1.00000000	-0.40138889
982	0.03333333	0.16000000	-0.20000000
983	0.03333333	1.00000000	-0.26732456
984	0.10000000	0.50000000	-0.47500000
985	0.05000000	0.50000000	-0.22500000
986	0.10000000	1.00000000	-0.38888889
987	0.10000000	0.90000000	-0.21071429
988	0.13636364	0.60000000	-0.41166667
989	0.06250000	1.00000000	-0.31735744
990	0.10000000	1.00000000	-0.14839744
991	0.10000000	0.50000000	-0.38333333
992	0.03333333	0.50000000	-0.28888889

993	0.05000000	0.80000000	−0.15312500
994	0.50000000	0.50000000	−0.22777778
995	0.10000000	0.85000000	−0.15000000
996	0.06250000	0.50000000	−0.26250000
997	0.03333333	0.60000000	−0.21093750
998	0.20000000	0.70000000	−0.40306122
999	0.10000000	1.00000000	−0.14246032
1000	0.10000000	0.60000000	−0.27916667
1001	0.10000000	1.00000000	0.00000000
1002	0.20000000	0.50000000	−0.12166667
1003	0.10000000	0.50000000	−0.22185847
1004	0.10000000	0.60000000	−0.40833333
1005	0.10000000	1.00000000	−0.24687500
1006	0.10000000	0.90000000	−0.30245944
1007	0.13636364	1.00000000	−0.26488095
1008	0.21428571	0.60000000	−0.12500000
1009	0.03333333	1.00000000	−0.05000000
1010	0.05000000	1.00000000	−0.22434640
1011	0.10000000	0.70000000	−0.10000000
1012	0.03333333	0.90000000	−0.33796296
1013	0.03333333	1.00000000	−0.25000000
1014	0.00000000	0.00000000	−0.36666667
1015	0.10000000	0.50000000	−0.20000000
1016	0.10000000	0.60000000	−0.26018518
1017	0.10000000	0.70000000	−0.16337868
1018	0.05000000	0.90000000	−0.11666667
1019	0.10000000	1.00000000	−0.20602679
1020	0.10000000	0.60000000	−0.32333333
1021	0.03333333	0.50000000	−0.21527778
1022	0.10000000	1.00000000	−0.20347222
1023	0.10000000	0.75000000	−0.16342593
1024	0.10000000	1.00000000	−0.35277778
1025	0.10000000	1.00000000	−0.21129630
1026	0.20000000	0.40000000	−0.28888889
1027	0.35000000	1.00000000	−0.42222222
1028	0.10000000	0.80000000	−0.15601852
1029	0.03333333	0.50000000	−0.35436508
1030	0.05000000	1.00000000	−0.72222222
1031	0.03333333	0.80000000	−0.30711111
1032	0.05000000	1.00000000	−0.30532407
1033	0.13636364	1.00000000	−0.14583333
1034	0.10000000	0.70000000	−0.18623321
1035	0.10000000	0.85000000	−0.31905864
1036	0.03333333	0.60000000	−0.27569444
1037	0.10000000	0.70000000	−0.31282051
1038	0.03333333	1.00000000	−0.16250000
1039	0.10000000	0.50000000	−0.19074074
1040	0.03333333	0.80000000	−0.36602564
1041	0.13636364	0.43333333	−0.14583333
1042	0.10000000	1.00000000	−0.22440476
1043	0.05000000	0.60000000	−0.32581018
1044	0.10000000	1.00000000	−0.26888889
1045	0.13636364	0.60000000	−0.31250000
1046	0.03333333	0.60000000	−0.29047619

1047	0.10000000	0.37500000	-0.33750000
1048	0.10000000	1.00000000	-0.25833333
1049	0.10000000	1.00000000	-0.27509259
1050	0.03333333	1.00000000	-0.25055556
1051	0.10000000	0.70000000	-0.20184109
1052	0.03333333	0.70000000	-0.30416667
1053	0.20000000	0.70000000	-0.31851852
1054	0.10000000	0.90000000	-0.24652778
1055	0.13636364	0.50000000	-0.12083333
1056	0.06250000	1.00000000	-0.18348214
1057	0.13636364	0.50000000	-0.16160714
1058	0.03333333	0.80000000	-0.40000000
1059	0.03333333	1.00000000	-0.26403770
1060	0.03333333	1.00000000	-0.19722222
1061	0.10000000	0.80000000	-0.26062271
1062	0.20000000	0.60000000	-0.53560606
1063	0.00000000	0.00000000	0.00000000
1064	0.03333333	0.50000000	-0.15833333
1065	0.10000000	1.00000000	-0.32000000
1066	0.30000000	1.00000000	-0.36500000
1067	0.10000000	0.80000000	0.00000000
1068	0.03333333	0.80000000	-0.26677778
1069	0.03333333	0.80000000	-0.25154321
1070	0.03333333	0.43333333	-0.27812500
1071	0.10000000	0.80000000	-0.14154589
1072	0.10000000	0.80000000	-0.29166667
1073	0.10000000	0.70000000	-0.29530423
1074	0.10000000	0.70000000	-0.12500000
1075	0.10000000	0.60000000	-0.30777778
1076	0.10000000	0.90000000	-0.26203704
1077	0.03333333	1.00000000	-0.19362875
1078	0.13636364	0.37500000	-0.09821429
1079	0.10000000	0.70000000	-0.14444444
1080	0.50000000	0.50000000	-0.24687500
1081	0.10000000	0.80000000	0.00000000
1082	0.13636364	0.30000000	-0.44166667
1083	0.06250000	1.00000000	-0.08888889
1084	0.03333333	0.80000000	-0.09702381
1085	0.05000000	1.00000000	-0.43281671
1086	0.10000000	1.00000000	-0.40000000
1087	0.10000000	0.80000000	-0.17870370
1088	0.06250000	1.00000000	-0.32800926
1089	0.06250000	1.00000000	-0.55500000
1090	0.10000000	1.00000000	-0.11428571
1091	0.03333333	0.70000000	-0.27305556
1092	0.06250000	0.50000000	-0.16666667
1093	0.06250000	1.00000000	-0.23214286
1094	0.05000000	0.80000000	0.00000000
1095	0.20000000	0.60000000	-0.35625000
1096	0.03333333	1.00000000	-0.23931624
1097	0.10000000	0.80000000	-0.33333333
1098	0.10000000	1.00000000	-0.40000000
1099	0.10000000	1.00000000	-0.30555556
1100	0.10000000	0.80000000	-0.19783272

1101	0.10000000	0.80000000	-0.30500000
1102	0.05000000	0.80000000	-0.22861111
1103	0.05000000	0.80000000	-0.32430556
1104	0.10000000	1.00000000	-0.23428571
1105	0.16000000	1.00000000	-0.32011111
1106	0.10000000	0.80000000	-0.22283951
1107	0.13636364	0.25000000	-0.45000000
1108	0.10000000	0.80000000	-0.15069444
1109	0.03333333	0.60000000	-0.31891026
1110	0.03333333	0.70000000	-0.25505050
1111	0.10000000	1.00000000	-0.35984848
1112	0.03333333	0.50000000	-0.14331502
1113	0.20000000	0.60000000	-0.47539683
1114	0.03333333	1.00000000	-0.25555556
1115	0.10000000	1.00000000	-0.41853742
1116	0.10000000	0.70000000	-0.21101852
1117	0.10000000	0.80000000	-0.28945932
1118	0.10000000	0.50000000	-0.31319444
1119	0.03333333	1.00000000	-0.37200728
1120	0.10000000	1.00000000	-0.23778345
1121	0.05000000	1.00000000	-0.26858237
1122	0.00000000	0.00000000	0.00000000
1123	0.03333333	0.50000000	-0.34166667
1124	0.03333333	1.00000000	-0.36319444
1125	0.10000000	1.00000000	-0.30974359
1126	0.16000000	1.00000000	-0.33858974
1127	0.10000000	0.70000000	-0.28333333
1128	0.03333333	0.60000000	0.00000000
1129	0.06250000	1.00000000	-0.20416667
1130	0.03333333	0.80000000	-0.17503720
1131	0.10000000	0.80000000	-0.31093750
1132	0.10000000	0.60000000	-0.32291667
1133	0.10000000	0.60000000	-0.12500000
1134	0.06250000	1.00000000	-0.38044218
1135	0.03333333	1.00000000	-0.18437500
1136	0.13636364	0.60000000	-0.29791667
1137	0.03333333	0.30000000	-0.33611111
1138	0.03333333	1.00000000	-0.16562500
1139	0.10000000	1.00000000	-0.24583333
1140	0.10000000	0.70000000	-0.28333333
1141	0.20000000	1.00000000	-0.16666667
1142	0.37500000	0.37500000	-0.43333333
1143	0.10000000	1.00000000	-0.10000000
1144	0.03333333	0.80000000	-0.19338624
1145	0.03333333	1.00000000	-0.29713542
1146	0.10000000	1.00000000	-0.39608135
1147	0.10000000	0.70000000	-0.56111111
1148	0.03333333	1.00000000	-0.38854167
1149	0.03333333	0.50000000	0.00000000
1150	0.03333333	1.00000000	-0.17916667
1151	0.10000000	0.50000000	-0.50000000
1152	0.10000000	0.50000000	-0.20000000
1153	0.10000000	0.50000000	-0.28333333
1154	0.10000000	1.00000000	-0.19230769

1155	0.05000000	0.50000000	-0.12685185
1156	0.21428571	0.70000000	-0.14166667
1157	0.10000000	0.70000000	-0.22500000
1158	0.20000000	0.50000000	-0.20899471
1159	0.03333333	0.80000000	-0.27045454
1160	0.10000000	0.60000000	-0.28854167
1161	0.10000000	0.66666667	-0.23988095
1162	0.03333333	1.00000000	-0.35000000
1163	0.10000000	1.00000000	-0.27395833
1164	0.10000000	1.00000000	-0.39375000
1165	0.10000000	1.00000000	-0.16666667
1166	0.10000000	1.00000000	-0.50000000
1167	0.10000000	0.37500000	-0.29611111
1168	0.10000000	0.60000000	-0.18000000
1169	0.10000000	0.50000000	-0.14000000
1170	0.05000000	1.00000000	-0.35750000
1171	0.10000000	0.70000000	-0.42214286
1172	0.13636364	1.00000000	-0.18000000
1173	0.16666667	0.70000000	-0.27638889
1174	0.20000000	0.75000000	-0.14682540
1175	0.13636364	0.50000000	-0.18750000
1176	0.03333333	1.00000000	-0.41611111
1177	0.41666667	0.50000000	-0.80000000
1178	0.10000000	1.00000000	-0.23402778
1179	0.06250000	0.80000000	-0.19500000
1180	0.03333333	1.00000000	-0.20677083
1181	0.13636364	0.90000000	-0.18750000
1182	0.03333333	1.00000000	-0.28333333
1183	0.16000000	0.60000000	-0.24190705
1184	0.10000000	1.00000000	-0.32695707
1185	0.03333333	0.50000000	-0.16666667
1186	0.05000000	0.80000000	-0.23425926
1187	0.13636364	0.50000000	-0.32777778
1188	0.03333333	0.70000000	-0.26140351
1189	0.05000000	0.80000000	0.00000000
1190	0.03333333	0.50000000	-0.37500000
1191	0.03333333	0.60000000	-0.30238095
1192	0.05000000	0.60000000	-0.14603175
1193	0.03333333	0.60000000	-0.15972222
1194	0.10000000	1.00000000	-0.21780045
1195	0.10000000	0.50000000	-0.18333333
1196	0.05000000	0.60000000	-0.30000000
1197	0.10000000	0.75000000	-0.07685185
1198	0.05000000	1.00000000	-0.25000000
1199	0.20000000	0.60000000	-0.21130952
1200	0.13636364	0.43333333	-0.39404762
1201	0.10000000	0.60000000	-0.28500000
1202	0.05000000	0.60000000	-0.26862745
1203	0.10000000	1.00000000	-0.27083333
1204	0.30000000	0.50000000	-0.12777778
1205	0.21428571	0.60000000	-0.11190476
1206	0.10000000	0.70000000	-0.24333333
1207	0.10000000	1.00000000	-0.29583333
1208	0.03333333	1.00000000	-0.29886831

1209	0.13636364	0.80000000	0.00000000
1210	0.03333333	1.00000000	-0.16079932
1211	0.06250000	0.80000000	-0.31666667
1212	0.06250000	0.60000000	-0.18600427
1213	0.13636364	0.50000000	-0.26388889
1214	0.10000000	1.00000000	-0.23327778
1215	0.03333333	1.00000000	-0.27361111
1216	0.03333333	0.80000000	-0.24387255
1217	0.03333333	1.00000000	-0.27883598
1218	0.13636364	1.00000000	-0.30894097
1219	0.03333333	0.80000000	-0.33583333
1220	0.03333333	1.00000000	-0.31141304
1221	0.20000000	0.60000000	0.00000000
1222	0.10000000	0.50000000	-0.35000000
1223	0.10000000	1.00000000	-0.60000000
1224	0.10000000	1.00000000	-0.28581049
1225	0.25000000	0.60000000	-0.20833333
1226	0.10000000	0.50000000	0.00000000
1227	0.03333333	1.00000000	-0.34066820
1228	0.13636364	0.70000000	-0.32806122
1229	0.03333333	0.60000000	-0.14583333
1230	0.10000000	1.00000000	-0.29935185
1231	0.21428571	1.00000000	-1.00000000
1232	0.03333333	1.00000000	-0.40000000
1233	0.06250000	1.00000000	-0.23601190
1234	0.03333333	0.80000000	0.00000000
1235	0.03333333	0.60000000	-0.11278660
1236	0.10000000	0.70000000	-0.16259259
1237	0.06250000	1.00000000	-0.17428571
1238	0.05000000	0.50000000	-0.40000000
1239	0.05000000	1.00000000	-0.31790124
1240	0.05000000	1.00000000	-0.44017857
1241	0.13636364	1.00000000	0.00000000
1242	0.10000000	1.00000000	0.00000000
1243	0.10000000	0.60000000	-0.29750000
1244	0.13636364	0.80000000	-0.75000000
1245	0.10000000	0.90000000	-0.24972222
1246	0.10000000	0.50000000	-0.32250000
1247	0.06250000	0.50000000	-0.23750000
1248	0.10000000	1.00000000	-0.35192308
1249	0.50000000	1.00000000	-0.67500000
1250	0.03333333	0.37500000	-0.16666667
1251	0.10000000	0.50000000	-0.35046296
1252	0.10000000	0.80000000	-0.22500000
1253	0.10000000	1.00000000	-0.14629630
1254	0.05000000	0.50000000	-0.14444444
1255	0.20000000	1.00000000	-0.18425926
1256	0.10000000	0.50000000	-0.13148148
1257	0.10000000	0.70000000	-0.20225694
1258	0.16666667	0.80000000	0.00000000
1259	0.10000000	0.50000000	-0.50000000
1260	0.05000000	0.80000000	-0.34097222
1261	0.10000000	0.75000000	-0.48055556
1262	0.08333333	0.80000000	-0.24313725

1263	0.06250000	1.00000000	−0.32023810
1264	0.06250000	1.00000000	−0.18174603
1265	0.16000000	1.00000000	−0.48666667
1266	0.03333333	0.90000000	−0.08571429
1267	0.10000000	0.60000000	−0.16944444
1268	0.20000000	0.70000000	−0.16666667
1269	0.20000000	0.50000000	0.00000000
1270	0.03333333	0.75000000	−0.33463719
1271	0.10000000	1.00000000	−0.80000000
1272	0.10000000	0.85000000	0.00000000
1273	0.13636364	0.50000000	−0.12777778
1274	0.10000000	1.00000000	−0.17380952
1275	0.16000000	0.80000000	−0.13750000
1276	0.10000000	0.25000000	−0.18472222
1277	0.10000000	1.00000000	−0.21666667
1278	0.03333333	0.80000000	−0.32450690
1279	0.35000000	1.00000000	−0.29166667
1280	0.13636364	0.37500000	−0.16388889
1281	0.10000000	0.80000000	−0.09027778
1282	0.03333333	0.60000000	−0.32222222
1283	0.03333333	0.75000000	−0.19166667
1284	0.03333333	0.85000000	−0.30370370
1285	0.03333333	0.90000000	−0.36626984
1286	0.13636364	0.80000000	−0.10833333
1287	0.10000000	1.00000000	−0.22440476
1288	0.10000000	0.90000000	−0.33958333
1289	0.10000000	1.00000000	−0.21197917
1290	0.03333333	1.00000000	−0.21596120
1291	0.05000000	0.80000000	−0.27446581
1292	0.10000000	1.00000000	−0.07142857
1293	0.10000000	1.00000000	−0.37462121
1294	0.05000000	0.80000000	−0.24915413
1295	0.10000000	1.00000000	−0.26712963
1296	0.20000000	0.50000000	−0.30416667
1297	0.03333333	0.50000000	−0.57222222
1298	0.03333333	0.90000000	−0.19722222
1299	0.13636364	1.00000000	−0.21000000
1300	0.03333333	1.00000000	−0.18510101
1301	0.03333333	1.00000000	−0.18805556
1302	0.13636364	0.60000000	−0.31250000
1303	0.03333333	1.00000000	−0.30000000
1304	0.10000000	0.50000000	−0.54166667
1305	0.03333333	0.70000000	−0.15000000
1306	0.25000000	0.50000000	−0.32708333
1307	0.03333333	0.80000000	−0.21064815
1308	0.20000000	0.25000000	−0.29166667
1309	0.10000000	0.50000000	0.00000000
1310	0.05000000	0.50000000	−0.25000000
1311	0.05000000	0.60000000	−0.30000000
1312	0.50000000	0.60000000	−0.12500000
1313	0.00000000	0.00000000	0.00000000
1314	0.05000000	1.00000000	−0.29638889
1315	0.03333333	1.00000000	−0.29289966
1316	0.10000000	0.60000000	−0.23214286

1317	0.10000000	1.00000000	-0.11269841
1318	0.10000000	1.00000000	-0.23888889
1319	0.10000000	0.33333333	-0.35396825
1320	0.03333333	1.00000000	-0.15000000
1321	0.10000000	0.60000000	-0.12976191
1322	0.13636364	0.50000000	-0.30416667
1323	0.13636364	0.60000000	-0.20250000
1324	0.03333333	1.00000000	-0.16684473
1325	0.10000000	0.50000000	-0.40000000
1326	0.03333333	1.00000000	-0.56250000
1327	0.10000000	1.00000000	-0.13660714
1328	0.13636364	0.60000000	-0.11666667
1329	0.13636364	0.80000000	-0.18750000
1330	0.20000000	1.00000000	-0.24583333
1331	0.10000000	1.00000000	-0.18000000
1332	0.10000000	0.75000000	-0.41111111
1333	0.10000000	1.00000000	-0.19444444
1334	0.03333333	0.50000000	-0.25892857
1335	0.13636364	0.66666667	-0.21964286
1336	0.03333333	1.00000000	-0.20193191
1337	0.00000000	0.00000000	0.00000000
1338	0.10000000	0.80000000	-0.17777778
1339	0.03333333	0.80000000	-0.23339947
1340	0.13636364	0.50000000	-0.06071429
1341	0.20000000	0.20000000	0.00000000
1342	0.13636364	0.50000000	0.00000000
1343	0.13636364	0.50000000	-0.12500000
1344	0.03333333	1.00000000	-0.29319048
1345	0.03333333	1.00000000	-0.23625953
1346	0.10000000	0.85000000	-0.18240741
1347	0.03333333	1.00000000	-0.26626984
1348	0.10000000	0.50000000	-0.28333333
1349	0.03333333	0.60000000	-0.10000000
1350	0.03333333	1.00000000	-0.34944444
1351	0.06250000	0.50000000	-0.32948718
1352	0.03333333	1.00000000	0.00000000
1353	0.00000000	0.00000000	0.00000000
1354	0.06250000	1.00000000	-0.17976190
1355	0.03333333	0.75000000	-0.28928571
1356	0.13636364	0.50000000	-0.30000000
1357	0.13636364	0.25000000	-0.15555556
1358	0.10000000	1.00000000	-0.25535714
1359	0.06250000	0.80000000	-0.19270833
1360	0.03333333	0.60000000	-0.17152778
1361	0.10000000	0.80000000	-0.16111111
1362	0.10000000	0.75000000	-0.22462963
1363	0.10000000	0.70000000	-0.15740741
1364	0.03333333	0.66666667	-0.24745370
1365	0.06250000	0.80000000	-0.14642857
1366	0.03333333	0.90000000	-0.37008377
1367	0.20000000	0.50000000	-0.21277778
1368	0.03333333	0.37500000	-0.14603175
1369	0.10000000	1.00000000	-0.33002137
1370	0.10000000	1.00000000	-0.13333333

1371	0.05000000	0.50000000	-0.33095238
1372	0.10000000	1.00000000	-0.52000000
1373	0.03333333	1.00000000	-0.16607143
1374	0.13636364	0.80000000	-0.37638889
1375	0.10000000	1.00000000	-0.25555556
1376	0.13636364	0.50000000	-0.16041667
1377	0.10000000	1.00000000	-0.33437500
1378	0.06250000	0.50000000	-0.44166667
1379	0.03333333	0.75000000	-0.16250000
1380	0.05000000	0.50000000	-0.27881944
1381	0.06250000	0.50000000	-0.28571429
1382	0.10000000	0.50000000	-0.32777778
1383	0.06250000	0.50000000	-0.16150794
1384	0.03333333	1.00000000	-0.15972222
1385	0.05000000	1.00000000	-0.25635541
1386	0.10000000	0.70000000	-0.22037037
1387	0.13636364	1.00000000	-0.10166667
1388	0.16000000	1.00000000	-0.16250000
1389	0.05000000	0.80000000	-0.42834821
1390	0.10000000	1.00000000	-0.33000000
1391	0.03333333	0.80000000	-0.31250000
1392	0.10000000	0.50000000	-0.40833333
1393	0.10000000	0.80000000	-0.40500000
1394	0.10000000	1.00000000	-0.23130512
1395	0.06250000	1.00000000	-0.40000000
1396	0.13636364	0.33333333	0.00000000
1397	0.10000000	1.00000000	-0.05000000
1398	0.20000000	0.50000000	0.00000000
1399	0.10000000	0.50000000	-0.36250000
1400	0.03333333	0.80000000	0.00000000
1401	0.08333333	0.90000000	-0.26755952
1402	0.13636364	0.75000000	-0.20454545
1403	0.13636364	0.70000000	-0.19375000
1404	0.03333333	0.60000000	-0.20000000
1405	0.03333333	0.90000000	-0.19583333
1406	0.13636364	0.60000000	-0.34419643
1407	0.10000000	0.10000000	0.00000000
1408	0.13636364	0.60000000	-0.20625000
1409	0.10000000	0.90000000	-0.34761905
1410	0.05000000	1.00000000	-0.44794974
1411	0.10000000	0.60000000	-0.40000000
1412	0.06250000	1.00000000	-0.34135803
1413	0.10000000	0.80000000	-0.60000000
1414	0.10000000	0.70000000	-0.30000000
1415	0.10000000	1.00000000	-0.19375000
1416	0.10000000	0.13636364	-0.17187500
1417	0.70000000	0.70000000	-0.26250000
1418	0.10000000	0.85000000	-0.20462963
1419	0.13636364	0.50000000	-0.28571429
1420	0.13636364	0.80000000	-0.28750000
1421	0.25000000	0.80000000	-0.35000000
1422	0.13636364	1.00000000	-0.27222222
1423	0.10000000	0.50000000	-0.16538462
1424	0.10000000	0.50000000	-0.17708333

1425	0.15000000	1.00000000	-0.31388889
1426	0.03333333	0.50000000	-0.20000000
1427	0.03333333	0.80000000	-0.23333333
1428	0.03333333	1.00000000	-0.34457672
1429	0.03333333	0.70000000	-0.39876543
1430	0.10000000	0.60000000	-0.35000000
1431	0.10000000	0.60000000	-0.24642857
1432	0.10000000	0.50000000	-0.26967593
1433	0.06250000	1.00000000	-0.26833333
1434	0.25000000	1.00000000	-0.40000000
1435	0.13636364	0.85000000	-0.47500000
1436	0.10000000	0.50000000	-0.29166667
1437	0.10000000	1.00000000	-0.11250000
1438	0.05000000	0.80000000	-0.37037037
1439	0.05000000	0.70000000	-0.38314815
1440	0.16666667	0.80000000	-0.27162698
1441	0.10000000	1.00000000	-0.25000000
1442	0.10000000	0.70000000	-0.25613345
1443	0.03333333	0.75000000	-0.16250000
1444	0.10000000	1.00000000	-0.39050926
1445	0.10000000	0.60000000	-0.40833333
1446	0.03333333	1.00000000	-0.25000000
1447	0.10000000	0.50000000	-0.22091837
1448	0.10000000	0.60000000	-0.16558642
1449	0.10000000	0.60000000	-0.14166667
1450	0.13636364	0.50000000	0.00000000
1451	0.03333333	1.00000000	-0.18657407
1452	0.10000000	0.75000000	-0.26742424
1453	0.10000000	1.00000000	-0.33944444
1454	0.05000000	1.00000000	-0.43660714
1455	0.00000000	0.00000000	0.00000000
1456	0.10000000	0.70000000	-0.16785714
1457	0.05000000	0.90000000	-0.28184524
1458	0.13636364	0.90000000	-0.12500000
1459	0.00000000	0.00000000	-0.15000000
1460	0.10000000	1.00000000	-0.16027167
1461	0.16000000	1.00000000	-0.30397436
1462	0.16000000	1.00000000	-0.35011905
1463	0.05000000	0.80000000	-0.16666667
1464	0.10000000	0.80000000	-0.25000000
1465	0.10000000	1.00000000	-0.28085318
1466	0.10000000	0.80000000	-0.33035714
1467	0.13636364	1.00000000	-0.16250000
1468	0.05000000	0.80000000	-0.32232143
1469	0.10000000	1.00000000	-0.31666667
1470	0.10000000	0.80000000	-0.20520833
1471	0.03333333	1.00000000	-0.52500000
1472	0.10000000	1.00000000	-0.35000000
1473	0.10000000	0.50000000	0.00000000
1474	0.13636364	1.00000000	-0.22916667
1475	0.06250000	1.00000000	-0.27654321
1476	0.03333333	1.00000000	-0.36889474
1477	0.05000000	1.00000000	-0.49000000
1478	0.08333333	0.80000000	-0.10666667

1479	0.20000000	0.70000000	-0.28030303
1480	0.05000000	0.90000000	-0.25000000
1481	0.10000000	0.70000000	-0.48518519
1482	0.13636364	0.40000000	-0.15833333
1483	0.03333333	0.80000000	-0.31250000
1484	0.10000000	1.00000000	-0.41250000
1485	0.03333333	1.00000000	-0.32588889
1486	0.00000000	0.00000000	0.00000000
1487	0.03333333	0.35000000	0.00000000
1488	0.13636364	0.70000000	-0.27500000
1489	0.05000000	0.50000000	-0.25000000
1490	0.10000000	1.00000000	-0.36333333
1491	0.03333333	0.90000000	-0.38796296
1492	0.06250000	0.80000000	-0.32638889
1493	0.05000000	0.60000000	-0.31944444
1494	0.21428571	0.50000000	-0.18333333
1495	0.10000000	1.00000000	-0.34668110
1496	0.03333333	1.00000000	-0.21974206
1497	0.03333333	0.70000000	-0.18169643
1498	0.05000000	1.00000000	-0.26348039
1499	0.28571429	0.80000000	-0.09097222
1500	0.06250000	1.00000000	-0.18329191
1501	0.03333333	0.60000000	-0.60000000
1502	0.10000000	0.50000000	-0.22083333
1503	0.03333333	1.00000000	-0.16861111
1504	0.03333333	0.60000000	-0.28333333
1505	0.25000000	1.00000000	-0.27777778
1506	0.03333333	0.70000000	-0.38472222
1507	0.13636364	0.80000000	-0.42407407
1508	0.10000000	1.00000000	-0.14907407
1509	0.05000000	0.85000000	0.00000000
1510	0.13636364	1.00000000	-0.19583333
1511	0.10000000	1.00000000	-0.31111111
1512	0.35000000	0.50000000	-0.21250000
1513	0.13636364	1.00000000	-0.18472222
1514	0.13636364	0.60000000	-0.46666667
1515	0.16000000	1.00000000	-0.32911111
1516	0.03333333	0.80000000	-0.29470899
1517	0.03333333	0.80000000	-0.20892857
1518	0.10000000	0.60000000	-0.38425926
1519	0.03333333	1.00000000	-0.35892857
1520	0.10000000	0.50000000	-0.27833333
1521	0.10000000	0.90000000	-0.25833333
1522	0.06250000	0.50000000	0.00000000
1523	0.25000000	0.80000000	-0.33750000
1524	0.10000000	0.60000000	-0.27222222
1525	0.10000000	0.70000000	-0.12500000
1526	0.03333333	1.00000000	-0.19375000
1527	0.10000000	1.00000000	-0.19629630
1528	0.03333333	0.80000000	-0.19382716
1529	0.10000000	0.60000000	-0.18981481
1530	0.13636364	1.00000000	-0.10000000
1531	0.05000000	1.00000000	-0.17500000
1532	0.03333333	0.50000000	-0.16666667

1533	0.03333333	0.80000000	-0.28333333
1534	0.10000000	0.80000000	-0.30416667
1535	0.10000000	1.00000000	-0.27986111
1536	0.10000000	0.80000000	-0.31515151
1537	0.10000000	0.50000000	-0.35000000
1538	0.10000000	0.50000000	-0.22528345
1539	0.10000000	1.00000000	-0.22883598
1540	0.10000000	1.00000000	-0.09880952
1541	0.10000000	0.50000000	0.00000000
1542	0.03333333	0.70000000	-0.34375000
1543	0.10000000	0.70000000	-0.36736111
1544	0.10000000	1.00000000	-0.36319444
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1546	0.05000000	0.70000000	-0.18996914
1547	0.03333333	1.00000000	-0.22006173
1548	0.05000000	0.50000000	-0.35260417
1549	0.10000000	1.00000000	-0.35000000
1550	0.10000000	1.00000000	-0.31250000
1551	0.03333333	1.00000000	-0.30000000
1552	0.13636364	0.60000000	-0.17857143
1553	0.05000000	0.60000000	-0.26666667
1554	0.05000000	1.00000000	-0.30531915
1555	0.10000000	1.00000000	-0.52222222
1556	0.03333333	1.00000000	-0.24525050
1557	0.03333333	1.00000000	-0.22086835
1558	0.10000000	1.00000000	-0.30394180
1559	0.03333333	1.00000000	-0.23240741
1560	0.03333333	1.00000000	-0.41896825
1561	0.20000000	0.50000000	-0.40000000
1562	0.13636364	0.70000000	0.00000000
1563	0.20000000	0.85000000	-0.18009259
1564	0.05000000	0.50000000	-0.19940476
1565	0.03333333	1.00000000	-0.20752728
1566	0.10000000	0.80000000	-0.18002646
1567	0.10000000	1.00000000	-0.31666667
1568	0.03333333	0.70000000	-0.16111111
1569	0.10000000	0.80000000	-0.26444444
1570	0.03333333	1.00000000	-0.35479497
1571	0.33333333	0.60000000	-0.42777778
1572	0.03333333	0.80000000	-0.40000000
1573	0.10000000	0.80000000	-0.23571429
1574	0.28571429	0.50000000	-0.20539683
1575	0.00000000	0.00000000	0.00000000
1576	0.05000000	0.50000000	-0.24312500
1577	0.10000000	0.33333333	-0.40000000
1578	0.10000000	1.00000000	-0.25000000
1579	0.10000000	0.60000000	-0.38919753
1580	0.10000000	0.80000000	-0.18750000
1581	0.10000000	0.80000000	0.00000000
1582	0.03333333	0.80000000	-0.27884615
1583	0.10000000	0.50000000	-0.12500000
1584	0.03333333	0.50000000	-0.46666667
1585	0.10000000	0.80000000	-0.32380952
1586	0.03333333	0.50000000	-0.32222222

1587	0.10000000	1.00000000	0.00000000
1588	0.13636364	1.00000000	-0.60000000
1589	0.03333333	1.00000000	-0.42093254
1590	0.10000000	1.00000000	-0.21666667
1591	0.10000000	0.90000000	-0.29601449
1592	0.03333333	1.00000000	-0.35249542
1593	0.10000000	0.80000000	-0.22483466
1594	0.00000000	0.00000000	0.00000000
1595	0.10000000	0.33333333	0.00000000
1596	0.33333333	1.00000000	-0.28611111
1597	0.10000000	0.60000000	-0.17222222
1598	0.05000000	1.00000000	-0.26858237
1599	0.03333333	0.60000000	-0.23333333
1600	0.16666667	1.00000000	-0.35000000
1601	0.13636364	0.60000000	-0.30158730
1602	0.10000000	0.80000000	-0.32777778
1603	0.10000000	1.00000000	-0.42108843
1604	0.03333333	0.50000000	-0.28500000
1605	0.20000000	0.60000000	-0.14000000
1606	0.10000000	1.00000000	-0.33042717
1607	0.10000000	1.00000000	-0.24242424
1608	0.03333333	0.60000000	-0.29166667
1609	0.13636364	1.00000000	-0.33968750
1610	0.20000000	0.50000000	-0.08571429
1611	0.03333333	1.00000000	-0.34460916
1612	0.10000000	0.50000000	-0.35833333
1613	0.06250000	1.00000000	-0.32619048
1614	0.10000000	0.80000000	-0.19128788
1615	0.03333333	1.00000000	-0.34268078
1616	0.10000000	1.00000000	-0.35042857
1617	0.13636364	0.60000000	-0.25384615
1618	0.20000000	1.00000000	-0.16250000
1619	0.10000000	1.00000000	-0.16583333
1620	0.03333333	1.00000000	-0.19322917
1621	0.10000000	0.70000000	-0.21666667
1622	0.10000000	0.60000000	-0.13809524
1623	0.03333333	0.33333333	-0.21250000
1624	0.05000000	0.75000000	-0.30416667
1625	0.10000000	0.60000000	-0.27685185
1626	0.03333333	1.00000000	-0.23295431
1627	0.03333333	1.00000000	-0.30277778
1628	0.13636364	0.80000000	0.00000000
1629	0.03333333	1.00000000	-0.25000000
1630	0.16000000	0.70000000	-0.30000000
1631	0.10000000	1.00000000	-0.23257576
1632	0.06250000	1.00000000	-0.20000000
1633	0.03333333	1.00000000	-0.17777778
1634	0.05000000	1.00000000	-0.43412338
1635	0.10000000	1.00000000	-0.34307292
1636	0.05000000	0.70000000	-0.36250000
1637	0.10000000	0.80000000	-0.40000000
1638	0.10000000	0.60000000	-0.23095238
1639	0.05000000	0.60000000	-0.23722222
1640	0.20000000	1.00000000	-0.30625000

1641	0.06250000	0.80000000	-0.23591270
1642	0.10000000	0.75000000	-0.35083333
1643	0.10000000	0.60000000	-0.12500000
1644	0.06250000	0.75000000	-0.15545635
1645	0.13636364	0.70000000	-0.35509259
1646	0.10000000	1.00000000	-0.29618056
1647	0.10000000	0.90000000	-0.25813492
1648	0.10000000	0.50000000	-0.12083333
1649	0.03333333	0.50000000	-0.18750000
1650	0.60000000	0.60000000	0.00000000
1651	0.10000000	0.60000000	-0.19687500
1652	0.03333333	1.00000000	-0.27638889
1653	0.10000000	0.60000000	-0.28923611
1654	0.00000000	0.00000000	0.00000000
1655	0.10000000	0.70000000	-0.29613095
1656	0.03333333	0.50000000	-0.35333333
1657	0.03333333	1.00000000	-0.15833333
1658	0.10000000	1.00000000	-0.38067227
1659	0.03333333	1.00000000	-0.35695208
1660	0.03333333	0.50000000	-0.30416667
1661	0.20000000	1.00000000	-0.17261905
1662	0.20000000	1.00000000	0.00000000
1663	0.16666667	1.00000000	-0.35000000
1664	0.13636364	1.00000000	-0.43802083
1665	0.06250000	1.00000000	-0.17904040
1666	0.13636364	0.75000000	-0.49687500
1667	0.06250000	1.00000000	-0.33535289
1668	0.13636364	0.50000000	-0.17083333
1669	0.03333333	1.00000000	-0.27165831
1670	0.03333333	0.50000000	0.00000000
1671	0.13636364	0.60000000	-0.15833333
1672	0.03333333	1.00000000	-0.25518984
1673	0.10000000	0.40000000	-0.50000000
1674	0.10000000	0.60000000	-0.21845238
1675	0.13636364	1.00000000	-0.33750000
1676	0.10000000	0.50000000	-0.20833333
1677	0.13636364	0.50000000	-0.12500000
1678	0.05000000	1.00000000	-0.24318783
1679	0.10000000	1.00000000	-0.25000000
1680	0.10000000	1.00000000	-0.23250000
1681	0.10000000	0.50000000	-0.16481482
1682	0.06250000	1.00000000	-0.14963370
1683	0.05000000	1.00000000	-0.31440476
1684	0.35714286	0.50000000	0.00000000
1685	0.05000000	0.80000000	-0.10932540
1686	0.03333333	1.00000000	-0.22258454
1687	0.05000000	1.00000000	-0.33981481
1688	0.20000000	1.00000000	-0.40026455
1689	0.25000000	0.60000000	-0.50000000
1690	0.10000000	1.00000000	-0.15800000
1691	0.10000000	0.50000000	-0.17812500
1692	0.10000000	1.00000000	-0.16666667
1693	0.13636364	1.00000000	-0.48682540
1694	0.06250000	1.00000000	-0.16623932

1695	0.13636364	0.50000000	-0.20238095
1696	0.05000000	1.00000000	-0.20000000
1697	0.10000000	1.00000000	-0.16722470
1698	0.16666667	0.50000000	-0.40000000
1699	0.03333333	0.70000000	-0.22722222
1700	0.13636364	1.00000000	-0.41000000
1701	0.10000000	0.70000000	-0.24000000
1702	0.03333333	1.00000000	-0.70000000
1703	0.13636364	0.80000000	-0.20895062
1704	0.03333333	1.00000000	-0.13333333
1705	0.05000000	1.00000000	-0.36011905
1706	0.03333333	1.00000000	-0.12187500
1707	0.03333333	0.50000000	-0.65000000
1708	0.03333333	1.00000000	-0.29218750
1709	0.10000000	0.80000000	-0.19479167
1710	0.03333333	0.80000000	-0.24658120
1711	0.10000000	0.60000000	-0.22074074
1712	0.06250000	1.00000000	-0.25637509
1713	0.13636364	0.85000000	-0.13730159
1714	0.10000000	1.00000000	-0.37397119
1715	0.10000000	0.50000000	-0.15625000
1716	0.10000000	0.50000000	-0.14693878
1717	0.10000000	0.90000000	-0.18353175
1718	0.16666667	0.80000000	-0.16666667
1719	0.03333333	0.60000000	-0.44583333
1720	0.10000000	1.00000000	-0.37725694
1721	0.20000000	0.80000000	-0.47777778
1722	0.05000000	1.00000000	-0.20493263
1723	0.21428571	0.70000000	-0.10000000
1724	0.03333333	1.00000000	-0.37187500
1725	0.03333333	1.00000000	-0.15000000
1726	0.05000000	0.60000000	-0.07500000
1727	0.00000000	0.00000000	0.00000000
1728	0.10000000	1.00000000	-0.25750000
1729	0.35000000	0.80000000	-0.61250000
1730	0.03333333	1.00000000	-0.40178571
1731	0.10000000	0.16666667	-0.26111111
1732	0.05000000	0.60000000	-0.15555556
1733	0.13636364	0.70000000	0.00000000
1734	0.03333333	0.37500000	-0.73333333
1735	0.10000000	1.00000000	-0.33994709
1736	0.30000000	0.50000000	-0.15000000
1737	0.03333333	0.60000000	-0.16666667
1738	0.05000000	0.80000000	-0.17130952
1739	0.10000000	0.60000000	-0.22083333
1740	0.10000000	0.80000000	-0.50000000
1741	0.20000000	0.50000000	-0.40694444
1742	0.00000000	0.00000000	0.00000000
1743	0.03333333	1.00000000	-0.24318182
1744	0.00000000	0.00000000	0.00000000
1745	0.03333333	1.00000000	-0.17916667
1746	0.03333333	0.50000000	-0.30000000
1747	0.10000000	0.70000000	-0.28250000
1748	0.10000000	0.50000000	-0.14107143

1749	0.50000000	0.50000000	-0.13571429
1750	0.10000000	0.90000000	-0.17500000
1751	0.16666667	0.35000000	-0.17833333
1752	0.20000000	0.50000000	-0.08923611
1753	0.10000000	0.60000000	-0.26666667
1754	0.10000000	0.80000000	-0.19814815
1755	0.10000000	1.00000000	0.00000000
1756	0.21428571	1.00000000	-0.15937500
1757	0.06250000	0.50000000	-0.32500000
1758	0.10000000	1.00000000	-0.34392170
1759	0.28571429	1.00000000	-0.80000000
1760	0.20000000	1.00000000	-0.20000000
1761	0.13636364	0.60000000	-0.62500000
1762	0.03333333	1.00000000	-0.22322531
1763	0.10000000	0.50000000	-0.28888889
1764	0.10000000	0.60000000	-0.40000000
1765	0.10000000	0.80000000	-0.26076389
1766	0.03333333	1.00000000	-0.39907407
1767	0.03333333	1.00000000	-0.14583333
1768	0.10000000	0.80000000	-0.35563187
1769	0.03333333	0.80000000	-0.28759921
1770	0.03333333	0.50000000	0.00000000
1771	0.03333333	0.50000000	-0.26041667
1772	0.10000000	1.00000000	0.00000000
1773	0.03333333	0.60000000	-0.29000000
1774	0.03333333	0.75000000	-0.16666667
1775	0.16000000	1.00000000	-0.29922619
1776	0.03333333	0.50000000	-0.21250000
1777	0.10000000	0.60000000	-0.26008772
1778	0.16666667	1.00000000	-0.26000000
1779	0.08333333	0.60000000	-0.23208333
1780	0.37500000	0.80000000	0.00000000
1781	0.20000000	0.60000000	-0.12942177
1782	0.10000000	0.70000000	-0.02500000
1783	0.03333333	1.00000000	-0.21909722
1784	0.03333333	0.80000000	0.00000000
1785	0.03333333	1.00000000	-0.37070106
1786	0.10000000	1.00000000	-0.30357143
1787	0.05000000	1.00000000	-0.37114035
1788	0.03333333	1.00000000	-0.17168367
1789	0.05000000	0.80000000	-0.28768519
1790	0.10000000	0.80000000	-0.55747863
1791	0.25000000	0.60000000	-0.15000000
1792	0.10000000	0.75000000	-0.10833333
1793	0.30000000	0.80000000	-0.29722222
1794	0.03333333	0.70000000	-0.15555556
1795	0.10000000	0.50000000	-0.20000000
1796	0.10000000	0.80000000	-0.19791667
1797	0.08333333	0.90000000	-0.30046296
1798	0.35000000	0.70000000	-0.35714286
1799	0.13636364	0.80000000	-0.27500000
1800	0.13636364	0.30000000	-0.16666667
1801	0.10000000	0.60000000	-0.23428571
1802	0.20000000	0.70000000	-0.24285714

1803	0.10000000	1.00000000	-0.26111111
1804	0.10000000	0.40000000	-0.28750000
1805	0.03333333	0.80000000	-0.12777778
1806	0.06250000	0.70000000	-0.18095238
1807	0.10000000	0.70000000	-0.15000000
1808	0.10000000	0.70000000	-0.21875000
1809	0.03333333	0.70000000	-0.44166667
1810	0.03333333	1.00000000	-0.30833333
1811	0.10000000	0.60000000	-0.20714286
1812	0.10000000	0.80000000	-0.24268708
1813	0.05000000	1.00000000	-0.18873299
1814	0.03333333	0.50000000	-0.13888889
1815	0.10000000	0.50000000	-0.17730655
1816	0.37500000	0.80000000	-0.09166667
1817	0.13636364	0.70000000	-0.25267857
1818	0.10000000	0.37500000	-0.21250000
1819	0.03333333	0.80000000	-0.22123016
1820	0.10000000	0.60000000	-0.25595238
1821	0.16666667	0.60000000	-0.15000000
1822	0.10000000	0.50000000	0.00000000
1823	0.00000000	0.00000000	0.00000000
1824	0.08333333	1.00000000	-0.25434600
1825	0.10000000	1.00000000	-0.32500000
1826	0.13636364	0.90000000	-0.12500000
1827	0.13636364	1.00000000	-0.17666667
1828	0.06250000	0.50000000	0.00000000
1829	0.03333333	0.50000000	-0.38020833
1830	0.05000000	1.00000000	-0.61666667
1831	0.16666667	0.70000000	-0.46944444
1832	0.10000000	1.00000000	-0.30500000
1833	0.10000000	0.75000000	-0.39972527
1834	0.03333333	1.00000000	-0.22619048
1835	0.37500000	0.70000000	-0.33125000
1836	0.10000000	0.50000000	-0.30273109
1837	0.10000000	0.50000000	-0.43333333
1838	0.03333333	0.75000000	-0.16666667
1839	0.03333333	1.00000000	-0.25000000
1840	0.03333333	0.80000000	-0.26282051
1841	0.03333333	1.00000000	-0.36096491
1842	0.10000000	0.50000000	-0.22333333
1843	0.10000000	1.00000000	-0.42962963
1844	0.03333333	0.80000000	-0.20833333
1845	0.20000000	1.00000000	-0.17037037
1846	0.10000000	1.00000000	-0.34743590
1847	0.13636364	0.50000000	-0.18333333
1848	0.05000000	0.80000000	-0.20925926
1849	0.05000000	0.80000000	-0.23230159
1850	0.10000000	0.80000000	0.00000000
1851	0.05000000	0.85000000	-0.33333333
1852	0.03333333	0.70000000	-0.13146258
1853	0.03333333	0.70000000	-0.26666667
1854	0.03333333	1.00000000	-0.33947246
1855	0.16000000	1.00000000	-0.32513889
1856	0.03333333	0.50000000	-0.12500000

1857	0.10000000	0.75000000	-0.10833333
1858	0.06250000	1.00000000	-0.19893579
1859	0.20000000	1.00000000	-0.22349773
1860	0.10000000	1.00000000	-0.26388889
1861	0.20000000	0.50000000	-0.17500000
1862	0.25000000	1.00000000	-0.43666667
1863	0.05000000	1.00000000	-0.43416373
1864	0.16666667	1.00000000	-0.34166667
1865	0.10000000	0.70000000	-0.40000000
1866	0.10000000	0.90000000	-0.28555556
1867	0.05000000	0.85000000	-0.35595238
1868	0.10000000	0.55000000	-0.38333333
1869	0.10000000	1.00000000	-0.31083333
1870	0.25000000	0.50000000	-0.39531250
1871	0.10000000	0.50000000	-0.50000000
1872	0.10000000	0.50000000	-0.16728395
1873	0.10000000	1.00000000	-0.32920635
1874	0.10000000	0.70000000	0.00000000
1875	0.10000000	0.80000000	-0.16333333
1876	0.03333333	1.00000000	-0.25127357
1877	0.13636364	0.50000000	-0.39375000
1878	0.10000000	1.00000000	-0.20000000
1879	0.05000000	1.00000000	-0.19429894
1880	0.13636364	1.00000000	-0.20000000
1881	0.16000000	1.00000000	-0.31935897
1882	0.25000000	0.50000000	-0.50000000
1883	0.10000000	1.00000000	-0.14801587
1884	0.03333333	0.60000000	-0.26666667
1885	0.16666667	1.00000000	-0.12599206
1886	0.10000000	0.80000000	-0.17761905
1887	0.10000000	0.90000000	-0.14583333
1888	0.03333333	0.80000000	-0.08750000
1889	0.16000000	1.00000000	-0.22187500
1890	0.03333333	0.80000000	-0.49351852
1891	0.10000000	0.60000000	-0.27182540
1892	0.10000000	1.00000000	-0.20172619
1893	0.13636364	0.80000000	-0.14027778
1894	0.10000000	0.80000000	-0.28493304
1895	0.10000000	0.70000000	-0.17194617
1896	0.10000000	0.50000000	-0.16666667
1897	0.03333333	1.00000000	-0.31219955
1898	0.10000000	0.50000000	-0.46812169
1899	0.20000000	0.60000000	-0.20000000
1900	0.10000000	0.80000000	-0.22465278
1901	0.13636364	1.00000000	-0.23240741
1902	0.16000000	0.70000000	-0.37500000
1903	0.10000000	0.50000000	-0.25833333
1904	0.13636364	1.00000000	-0.25500000
1905	0.10000000	1.00000000	-0.40000000
1906	0.10000000	0.90000000	-0.23333333
1907	0.13636364	0.60000000	-0.05000000
1908	0.03333333	0.90000000	-0.20000000
1909	0.05000000	0.80000000	-0.31410256
1910	0.03333333	0.75000000	-0.39142416

1911	0.10000000	1.00000000	-0.31455128
1912	0.10000000	0.50000000	-0.21309524
1913	0.03333333	0.60000000	-0.34270833
1914	0.10000000	0.50000000	-0.28690476
1915	0.10000000	0.80000000	-0.47500000
1916	0.10000000	0.80000000	-0.17619048
1917	0.06250000	1.00000000	-0.30119048
1918	0.10000000	0.70000000	-0.48531746
1919	0.10000000	0.70000000	-0.14011905
1920	0.13636364	0.80000000	-0.30254630
1921	0.10000000	0.80000000	-0.20502645
1922	0.03333333	0.40000000	-0.17777778
1923	0.10000000	0.70000000	0.00000000
1924	0.50000000	1.00000000	-0.36250000
1925	0.00000000	0.00000000	0.00000000
1926	0.06250000	0.50000000	0.00000000
1927	0.03333333	0.60000000	-0.16388889
1928	0.10000000	1.00000000	-0.33214286
1929	0.13636364	1.00000000	-0.47936508
1930	0.10000000	0.70000000	-0.22083333
1931	0.20000000	0.60000000	-0.12187500
1932	0.10000000	1.00000000	-0.35555556
1933	0.10000000	1.00000000	-0.24444444
1934	0.05000000	1.00000000	-0.26666667
1935	0.10000000	0.80000000	-0.16083333
1936	0.16000000	1.00000000	-0.26000000
1937	0.10000000	0.70000000	-0.46416667
1938	0.03333333	1.00000000	-0.26759259
1939	0.10000000	1.00000000	-0.19603175
1940	0.10000000	0.60000000	-0.23214286
1941	0.50000000	0.50000000	0.00000000
1942	0.10000000	0.60000000	-0.30000000
1943	0.05000000	0.50000000	-0.20740741
1944	0.10000000	0.50000000	-0.18750000
1945	0.03333333	0.85000000	-0.23623737
1946	0.20000000	0.50000000	-0.10000000
1947	0.10000000	1.00000000	-0.13601190
1948	0.06250000	0.50000000	-0.16180556
1949	0.03333333	1.00000000	-0.35434588
1950	0.20000000	1.00000000	-0.46666667
1951	0.10000000	1.00000000	-0.28311966
1952	0.10000000	0.75000000	-0.17777778
1953	0.06250000	0.50000000	-0.35000000
1954	0.03333333	1.00000000	-0.28838384
1955	0.10000000	1.00000000	-0.29755291
1956	0.16666667	1.00000000	-0.35000000
1957	0.10000000	0.50000000	-0.10625000
1958	0.06250000	0.80000000	-0.28376068
1959	0.03333333	1.00000000	-0.26309524
1960	0.13636364	1.00000000	-0.31944444
1961	0.13636364	0.60000000	-0.27500000
1962	0.10000000	0.60000000	-0.27861111
1963	0.03333333	0.60000000	-0.30000000
1964	0.03333333	1.00000000	-0.17884615

1965	0.10000000	0.60000000	-0.30000000
1966	0.10000000	1.00000000	-0.49285714
1967	0.10000000	0.60000000	-0.23333333
1968	0.10000000	0.70000000	-0.10833333
1969	0.13636364	0.50000000	0.00000000
1970	0.03333333	0.70000000	-0.18222222
1971	0.16666667	0.50000000	-0.15555556
1972	0.03333333	1.00000000	-0.27087174
1973	0.10000000	0.73333333	-0.21527778
1974	0.03333333	1.00000000	-0.17564103
1975	0.03333333	0.70000000	-0.11964286
1976	0.03333333	0.80000000	-0.19349415
1977	0.10000000	0.80000000	-0.40000000
1978	0.13636364	0.60000000	-0.20416667
1979	0.13636364	0.80000000	0.00000000
1980	0.10000000	1.00000000	-0.20555556
1981	0.10000000	1.00000000	-0.30992063
1982	0.05000000	1.00000000	-0.26858237
1983	0.10000000	0.60000000	-0.19042398
1984	0.10000000	0.70000000	-0.19558081
1985	0.13636364	1.00000000	-0.21590278
1986	0.00000000	0.00000000	0.00000000
1987	0.05000000	0.50000000	0.00000000
1988	0.10000000	0.80000000	-0.43750000
1989	0.10000000	0.60000000	-0.23202160
1990	0.03333333	1.00000000	-0.33430250
1991	0.13636364	1.00000000	-0.20000000
1992	0.10000000	1.00000000	-0.31481482
1993	0.10000000	1.00000000	-0.18224206
1994	0.06250000	1.00000000	-0.22588384
1995	0.05000000	0.80000000	-0.30000000
1996	0.03333333	1.00000000	-0.23619048
1997	0.20000000	0.80000000	-0.16607143
1998	0.10000000	1.00000000	-0.24087302
1999	0.05000000	1.00000000	-0.30416667
2000	0.10000000	1.00000000	-0.34270833
2001	0.06250000	1.00000000	-0.28472222
2002	0.03333333	0.50000000	-0.33214286
2003	0.25000000	0.50000000	0.00000000
2004	0.06250000	1.00000000	-0.23380952
2005	0.06250000	0.50000000	-0.42500000
2006	0.10000000	0.50000000	-0.23055556
2007	0.10000000	0.80000000	-0.13750000
2008	0.13636364	0.80000000	0.00000000
2009	0.13636364	1.00000000	-0.17916667
2010	0.10000000	0.50000000	-0.17500000
2011	0.06250000	1.00000000	-0.27146057
2012	0.05000000	0.60000000	-0.20180556
2013	0.03333333	1.00000000	-0.20543430
2014	0.10000000	0.70000000	-0.21190476
2015	0.00000000	0.00000000	0.00000000
2016	0.08333333	1.00000000	-0.34505556
2017	0.10000000	1.00000000	-0.18518519
2018	0.13636364	0.50000000	-0.19111111

2019	0.05000000	0.60000000	-0.48750000
2020	0.05000000	1.00000000	-0.22890212
2021	0.05000000	0.90000000	-0.19513889
2022	0.03333333	0.50000000	-0.30182073
2023	0.10000000	1.00000000	-0.12083333
2024	0.16000000	0.60000000	-0.22500000
2025	0.03333333	0.60000000	-0.21666667
2026	0.03333333	0.40000000	-0.12500000
2027	0.03333333	1.00000000	-0.50000000
2028	0.05000000	0.50000000	-0.26481481
2029	0.03333333	0.50000000	-0.60000000
2030	0.13636364	0.25000000	0.00000000
2031	0.05000000	0.60000000	-0.17095238
2032	0.10000000	1.00000000	-0.22512820
2033	0.10000000	1.00000000	-0.21980994
2034	0.10000000	1.00000000	-0.24250000
2035	0.06250000	1.00000000	-0.10238095
2036	0.10000000	1.00000000	-0.20375817
2037	0.10000000	0.50000000	-0.33583333
2038	0.10000000	1.00000000	-0.39090909
2039	0.10000000	0.60000000	-0.30952381
2040	0.10000000	0.80000000	-0.19960317
2041	0.05000000	0.50000000	-0.16666667
2042	0.10000000	0.80000000	0.00000000
2043	0.10000000	0.50000000	-0.16269841
2044	0.03333333	0.70000000	-0.17013889
2045	0.20000000	0.50000000	-0.14801587
2046	0.13636364	0.70000000	-0.10000000
2047	0.03333333	1.00000000	-0.20000000
2048	0.13636364	0.50000000	-0.21041667
2049	0.10000000	0.70000000	-0.24598214
2050	0.10000000	0.80000000	-0.23106061
2051	0.05000000	0.40000000	-0.25000000
2052	0.10000000	0.50000000	-0.60000000
2053	0.10000000	0.50000000	-0.21666667
2054	0.03333333	0.50000000	0.00000000
2055	0.13636364	0.50000000	-0.12500000
2056	0.10000000	0.50000000	-0.32371032
2057	0.10000000	1.00000000	-0.45833333
2058	0.03333333	0.60000000	-0.25000000
2059	0.10000000	1.00000000	-0.16666667
2060	0.13636364	0.70000000	-0.25416667
2061	0.10000000	0.80000000	-0.23611111
2062	0.16666667	0.85000000	-0.40000000
2063	0.03333333	0.50000000	-0.24666667
2064	0.10000000	0.90000000	-0.23750000
2065	0.03333333	1.00000000	0.00000000
2066	0.10000000	0.80000000	-0.26428571
2067	0.13636364	1.00000000	-0.33858974
2068	0.10000000	0.50000000	-0.48500000
2069	0.05000000	0.60000000	-0.34444444
2070	0.03333333	1.00000000	-0.13888889
2071	0.10000000	0.50000000	0.00000000
2072	0.03333333	1.00000000	-0.24112812

2073	0.03333333	1.00000000	-0.31379400
2074	0.05000000	0.70000000	-0.25433333
2075	0.10000000	1.00000000	-0.31704545
2076	0.10000000	0.70000000	-0.47435897
2077	0.06250000	0.80000000	-0.18379630
2078	0.10000000	1.00000000	-0.22212963
2079	0.03333333	0.80000000	-0.20000000
2080	0.13636364	0.80000000	-0.27888889
2081	0.03333333	0.85000000	-0.48571429
2082	0.10000000	0.25000000	-0.15000000
2083	0.10000000	1.00000000	-0.18921569
2084	0.20000000	1.00000000	-0.19675926
2085	0.10000000	1.00000000	-0.19816017
2086	0.03333333	0.80000000	-0.30000000
2087	0.10000000	0.60000000	-0.46666667
2088	0.05000000	1.00000000	-0.18333333
2089	0.10000000	1.00000000	-0.25586081
2090	0.06250000	0.90000000	-0.22638889
2091	0.05000000	0.25000000	-0.35000000
2092	0.25000000	0.50000000	-0.15555556
2093	0.25000000	1.00000000	-0.05000000
2094	0.20000000	0.60000000	-0.32222222
2095	0.03333333	0.70000000	-0.48840812
2096	0.10000000	0.90000000	-0.30000000
2097	0.10000000	0.50000000	-0.08750000
2098	0.03333333	1.00000000	-0.22089947
2099	0.10000000	1.00000000	-0.29895833
2100	0.10000000	0.21428571	-0.17500000
2101	0.03333333	1.00000000	-0.34838936
2102	0.05000000	1.00000000	-0.40000000
2103	0.10000000	0.80000000	-0.51166667
2104	0.05000000	0.60000000	-0.44444444
2105	0.10000000	0.50000000	-0.10000000
2106	0.03333333	0.50000000	-0.13908730
2107	0.25000000	0.85000000	-0.15000000
2108	0.10000000	0.50000000	-0.27428775
2109	0.03333333	1.00000000	-0.41897321
2110	0.10000000	0.60000000	-0.24761905
2111	0.20000000	0.50000000	-0.11666667
2112	0.13636364	0.40000000	0.00000000
2113	0.20000000	0.50000000	-0.10833333
2114	0.10000000	0.50000000	-0.50000000
2115	0.06250000	0.80000000	-0.14630952
2116	0.10000000	0.25000000	-0.43166667
2117	0.10000000	1.00000000	-0.20500000
2118	0.10000000	0.50000000	-0.25476191
2119	0.13636364	0.50000000	0.00000000
2120	0.13636364	0.60000000	0.00000000
2121	0.10000000	1.00000000	-0.60000000
2122	0.10000000	1.00000000	-0.25000000
2123	0.13636364	0.50000000	-0.53125000
2124	0.10000000	1.00000000	-0.30381482
2125	0.10000000	0.70000000	-0.50000000
2126	0.10000000	0.50000000	-0.17500000

2127	0.10000000	1.00000000	-0.25277778
2128	0.10000000	0.75000000	-0.24444444
2129	0.13636364	0.80000000	-0.24303571
2130	0.13636364	1.00000000	-0.29218750
2131	0.03333333	0.50000000	-0.23261905
2132	0.05000000	1.00000000	-0.43294359
2133	0.00000000	0.00000000	0.00000000
2134	0.10000000	1.00000000	-0.24472789
2135	0.13636364	0.60000000	-0.24285714
2136	0.13636364	1.00000000	-0.31960979
2137	0.03333333	0.60000000	-0.22549020
2138	0.13636364	0.70000000	-0.16250000
2139	0.13636364	1.00000000	-0.33333333
2140	0.10000000	1.00000000	-0.25509259
2141	0.06250000	0.80000000	-0.38737374
2142	0.03333333	0.50000000	-0.22812500
2143	0.10000000	0.60000000	-0.32291667
2144	0.05000000	0.75000000	-0.28333333
2145	0.05000000	0.40000000	-0.40000000
2146	0.05000000	0.83333333	-0.31068376
2147	0.10000000	0.70000000	-0.30025510
2148	0.10000000	1.00000000	-0.36023809
2149	0.13636364	1.00000000	-0.22619048
2150	0.20000000	0.70000000	-0.35000000
2151	0.10000000	1.00000000	-0.37619048
2152	0.06250000	0.85000000	-0.38373016
2153	0.10000000	1.00000000	-0.27187500
2154	0.13636364	1.00000000	-0.27500000
2155	0.10000000	0.50000000	-0.42592593
2156	0.06250000	1.00000000	-0.36060606
2157	0.10000000	0.50000000	-0.52500000
2158	0.10000000	0.50000000	0.00000000
2159	0.03333333	0.80000000	-0.35000000
2160	0.16000000	1.00000000	-0.36805556
2161	0.15000000	0.80000000	-0.25297619
2162	0.10000000	0.50000000	-0.29126984
2163	0.03333333	0.50000000	-0.14444444
2164	0.10000000	1.00000000	-0.31649030
2165	0.03333333	1.00000000	-0.40227273
2166	0.10000000	1.00000000	-0.12500000
2167	0.13636364	1.00000000	-0.27611111
2168	0.10000000	1.00000000	-0.23333333
2169	0.13636364	0.13636364	0.00000000
2170	0.03333333	0.80000000	-0.17500000
2171	0.10000000	1.00000000	-0.18921569
2172	0.10000000	1.00000000	-0.26250000
2173	0.10000000	0.70000000	-0.43750000
2174	0.20000000	0.50000000	-0.15555556
2175	0.13636364	0.90000000	-0.30534188
2176	0.20000000	1.00000000	-0.33333333
2177	0.10000000	1.00000000	-0.22503307
2178	0.10000000	1.00000000	-0.36413952
2179	0.03333333	1.00000000	-0.20848214
2180	0.13636364	1.00000000	-0.15000000

2181	0.10000000	0.50000000	-0.44172336
2182	0.03333333	1.00000000	-0.36826923
2183	0.03333333	1.00000000	-0.21732804
2184	0.03333333	0.80000000	-0.19691358
2185	0.25000000	1.00000000	-0.17986111
2186	0.06250000	0.75000000	-0.22202381
2187	0.10000000	0.60000000	-0.22777778
2188	0.10000000	0.80000000	-0.18603801
2189	0.03333333	1.00000000	-0.25372807
2190	0.10000000	0.80000000	-0.25000000
2191	0.03333333	0.80000000	-0.14907407
2192	0.06250000	1.00000000	-0.24090909
2193	0.06250000	1.00000000	-0.29430556
2194	0.05000000	0.50000000	-0.22500000
2195	0.06250000	1.00000000	-0.36203704
2196	0.25000000	0.50000000	-0.16666667
2197	0.10000000	0.50000000	-0.26250000
2198	0.10000000	0.75000000	-0.19444444
2199	0.10000000	0.50000000	-0.31562500
2200	0.25000000	1.00000000	-0.20000000
2201	0.20000000	0.50000000	-0.26805556
2202	0.10000000	0.80000000	-0.26782407
2203	0.03333333	1.00000000	-0.21681548
2204	0.10000000	0.50000000	-0.23888889
2205	0.10000000	0.90000000	-0.21693452
2206	0.10000000	0.80000000	-0.36666667
2207	0.03333333	1.00000000	-0.36250000
2208	0.05000000	0.70000000	-0.26388889
2209	0.03333333	0.70000000	-0.19687500
2210	0.03333333	1.00000000	-0.22960526
2211	0.03333333	1.00000000	-0.37500000
2212	0.10000000	0.60000000	-0.21250000
2213	0.10000000	1.00000000	-0.16562500
2214	0.03333333	0.90000000	-0.22964286
2215	0.20000000	0.70000000	-0.22916667
2216	0.10000000	1.00000000	-0.16269841
2217	0.10000000	0.75000000	-0.24469697
2218	0.10000000	0.80000000	-0.16666667
2219	0.10000000	0.50000000	-0.16875000
2220	0.20000000	0.37500000	0.00000000
2221	0.13636364	1.00000000	-0.36666667
2222	0.13636364	0.75000000	-0.16250000
2223	0.37500000	0.50000000	0.00000000
2224	0.13636364	1.00000000	-0.25233516
2225	0.13636364	0.50000000	-0.31011905
2226	0.13636364	0.60000000	-0.21111111
2227	0.10000000	0.50000000	-0.18333333
2228	0.10000000	1.00000000	-0.36277473
2229	0.16666667	1.00000000	-0.36250000
2230	0.13636364	0.75000000	-0.38333333
2231	0.10000000	0.80000000	-0.20833333
2232	0.10000000	0.80000000	-0.20357143
2233	0.10000000	1.00000000	-0.32035714
2234	0.05000000	1.00000000	-0.30719697

2235	0.50000000	0.50000000	-0.13348214
2236	0.10000000	1.00000000	-0.34235589
2237	0.10000000	1.00000000	-0.39428571
2238	0.16666667	0.50000000	-0.37750000
2239	0.05000000	1.00000000	-0.30902778
2240	0.35714286	1.00000000	-0.05000000
2241	0.13636364	0.60000000	-0.24629630
2242	0.20000000	0.60000000	0.00000000
2243	0.80000000	0.80000000	-0.30500000
2244	0.10000000	1.00000000	-0.20000000
2245	0.03333333	0.70000000	-0.35000000
2246	0.16000000	1.00000000	-0.10000000
2247	0.03333333	0.50000000	-0.31250000
2248	0.13636364	0.50000000	-0.19166667
2249	0.10000000	1.00000000	-0.32500000
2250	0.21428571	0.37500000	-0.16250000
2251	0.10000000	1.00000000	-0.15000000
2252	0.03333333	0.80000000	-0.13750000
2253	0.03333333	1.00000000	-0.31666667
2254	0.03333333	0.60000000	-0.30527778
2255	0.00000000	0.00000000	0.00000000
2256	0.06250000	0.80000000	-0.18500000
2257	0.10000000	0.60000000	-0.24523809
2258	0.20000000	0.50000000	-0.29513889
2259	0.10000000	0.50000000	-0.27222222
2260	0.10000000	0.70000000	-0.15833333
2261	0.06250000	1.00000000	-0.31666667
2262	0.20000000	0.60000000	-0.26250000
2263	0.16000000	1.00000000	-0.31666667
2264	0.10000000	1.00000000	-0.68750000
2265	0.13636364	0.50000000	-0.20000000
2266	0.03333333	1.00000000	-0.28497942
2267	0.13636364	0.60000000	-0.14166667
2268	0.10000000	1.00000000	-0.12685185
2269	0.10000000	0.50000000	-0.30000000
2270	0.10000000	0.80000000	-0.29166667
2271	0.10000000	1.00000000	-0.13492064
2272	0.20000000	0.70000000	-0.17777778
2273	0.06250000	0.60000000	-0.29490741
2274	0.10000000	0.75000000	-0.20833333
2275	0.10000000	0.80000000	-0.16666667
2276	0.03333333	0.50000000	-0.23703704
2277	0.13636364	0.80000000	-0.36500000
2278	0.03333333	1.00000000	-0.28777778
2279	0.10000000	1.00000000	-0.42254274
2280	0.16666667	0.80000000	0.00000000
2281	0.10000000	0.60000000	-0.21750000
2282	0.13636364	0.37500000	0.00000000
2283	0.10000000	0.60000000	-0.32619048
2284	0.10000000	0.80000000	-0.11250000
2285	0.10000000	0.50000000	-0.28888889
2286	0.10000000	0.90000000	-0.21975309
2287	0.06250000	1.00000000	-0.32375000
2288	0.05000000	0.80000000	-0.25972222

2289	0.05000000	0.50000000	-0.43935185
2290	0.03333333	0.80000000	-0.31785714
2291	0.28571429	1.00000000	-0.16666667
2292	0.13636364	0.50000000	-0.45000000
2293	0.43333333	0.43333333	-0.43571429
2294	0.10000000	1.00000000	-0.22500000
2295	0.03333333	1.00000000	-0.20178571
2296	0.05000000	1.00000000	-0.22291667
2297	0.03333333	0.50000000	-0.14027778
2298	0.05000000	1.00000000	-0.37500000
2299	0.10000000	1.00000000	-0.29833333
2300	0.03333333	1.00000000	-0.46428571
2301	0.05000000	0.80000000	-0.32182540
2302	0.13636364	0.25000000	-0.16666667
2303	0.10000000	0.60000000	-0.26944444
2304	0.10000000	0.75000000	-0.15952381
2305	0.00000000	0.00000000	0.00000000
2306	0.20000000	0.80000000	-0.39531250
2307	0.20000000	1.00000000	-0.35194693
2308	0.10000000	0.80000000	-0.28125000
2309	0.25000000	0.50000000	0.00000000
2310	0.10000000	1.00000000	-0.21583333
2311	0.05000000	1.00000000	-0.71333333
2312	0.25000000	0.70000000	-0.55000000
2313	0.13636364	0.28571429	0.00000000
2314	0.13636364	0.60000000	-0.14166667
2315	0.03333333	0.13636364	-0.22777778
2316	0.25000000	0.50000000	-0.18750000
2317	0.13636364	0.50000000	-0.27500000
2318	0.06250000	0.50000000	-0.14027778
2319	0.03333333	0.60000000	-0.32083333
2320	0.15000000	0.60000000	-0.19444444
2321	0.16666667	0.80000000	0.00000000
2322	0.05000000	1.00000000	-0.29417735
2323	0.20000000	1.00000000	-0.21250000
2324	0.13636364	1.00000000	-0.28333333
2325	0.06250000	0.50000000	-0.23809524
2326	0.10000000	0.41666667	-0.44531250
2327	0.16666667	1.00000000	0.00000000
2328	0.10000000	1.00000000	-0.37777778
2329	0.03333333	1.00000000	-0.22701058
2330	0.06250000	0.60000000	-0.32000000
2331	0.35000000	0.50000000	-0.71428571
2332	0.03333333	0.70000000	-0.33888889
2333	0.06250000	0.70000000	-0.27500000
2334	0.13636364	0.50000000	-0.22604167
2335	0.03333333	1.00000000	-0.24490741
2336	0.03333333	1.00000000	-0.35308532
2337	0.03333333	0.60000000	-0.12500000
2338	0.03333333	0.50000000	0.00000000
2339	0.50000000	0.50000000	-0.35714286
2340	0.10000000	0.80000000	-0.25509259
2341	0.13636364	0.50000000	-0.11250000
2342	0.25000000	0.25000000	0.00000000

2343	0.10000000	1.00000000	-0.22833333
2344	0.03333333	1.00000000	-0.13518519
2345	0.10000000	0.60000000	-0.17559524
2346	0.50000000	0.70000000	-0.10000000
2347	0.05000000	1.00000000	-0.31640212
2348	0.05000000	1.00000000	-0.38928571
2349	0.10000000	1.00000000	-0.27500000
2350	0.10000000	1.00000000	-0.50053419
2351	0.03333333	0.10000000	-0.26111111
2352	0.10000000	0.70000000	-0.17500000
2353	0.10000000	1.00000000	-0.40148809
2354	0.13636364	1.00000000	-0.57187500
2355	0.10000000	0.40000000	-0.60000000
2356	0.03333333	1.00000000	-0.27552083
2357	0.10000000	0.40000000	-0.10625000
2358	0.10000000	0.90000000	-0.18402778
2359	0.03333333	0.70000000	-0.19541667
2360	0.10000000	1.00000000	-0.34018288
2361	0.10000000	0.80000000	-0.25104167
2362	0.25000000	0.25000000	-0.21458333
2363	0.10000000	0.10000000	-0.26666667
2364	0.10000000	0.50000000	-0.37500000
2365	0.13636364	0.60000000	-0.36562500
2366	0.06250000	1.00000000	-0.23537415
2367	0.03333333	1.00000000	-0.29497355
2368	0.03333333	0.60000000	-0.23333333
2369	0.03333333	0.60000000	-0.19871795
2370	0.03333333	0.80000000	-0.25902778
2371	0.03333333	0.60000000	-0.36333333
2372	0.13636364	0.80000000	-0.19375000
2373	0.05000000	1.00000000	-0.40000000
2374	0.03333333	0.50000000	-0.19375000
2375	0.05000000	0.60000000	-0.18690476
2376	0.03333333	0.60000000	-0.39639918
2377	0.10000000	0.80000000	-0.24375000
2378	0.10000000	0.50000000	0.00000000
2379	0.10000000	1.00000000	-0.49722222
2380	0.16666667	0.50000000	-0.33333333
2381	0.13636364	0.80000000	-0.27731481
2382	0.10000000	0.90000000	-0.24006410
2383	0.06250000	1.00000000	-0.17708333
2384	0.10000000	1.00000000	-0.32708333
2385	0.03333333	1.00000000	-0.43522727
2386	0.03333333	1.00000000	-0.29589161
2387	0.00000000	0.00000000	0.00000000
2388	0.03333333	1.00000000	-0.21666667
2389	0.13636364	1.00000000	-0.25583333
2390	0.06250000	0.70000000	-0.30615385
2391	0.05000000	0.50000000	-0.07142857
2392	0.13636364	0.60000000	-0.50000000
2393	0.16000000	0.60000000	-0.50000000
2394	0.40000000	0.80000000	-0.09821429
2395	0.10000000	0.80000000	-0.24583333
2396	0.10000000	0.80000000	-0.16250000

2397	0.03333333	0.90000000	-0.24027778
2398	0.13636364	0.80000000	-0.22916667
2399	0.21428571	0.80000000	0.00000000
2400	0.25000000	0.50000000	0.00000000
2401	0.03333333	0.60000000	-0.10000000
2402	0.03333333	0.80000000	-0.18541005
2403	0.05000000	1.00000000	-0.44319407
2404	0.05000000	1.00000000	-0.24194444
2405	0.25000000	0.50000000	-0.09232804
2406	0.25000000	0.70000000	-0.47083333
2407	0.10000000	1.00000000	-0.55000000
2408	0.10000000	0.60000000	-0.12129630
2409	0.16000000	1.00000000	-0.35000000
2410	0.03333333	1.00000000	-0.28356331
2411	0.10000000	1.00000000	-0.15555556
2412	0.10000000	1.00000000	-0.42555556
2413	0.10000000	0.50000000	-0.14583333
2414	0.10000000	1.00000000	-0.14054233
2415	0.10000000	1.00000000	-0.34830109
2416	0.10000000	1.00000000	-0.22187500
2417	0.03333333	1.00000000	-0.25998542
2418	0.05000000	1.00000000	-0.26858237
2419	0.10000000	1.00000000	-0.22000000
2420	0.13636364	0.55000000	-0.29166667
2421	0.05000000	1.00000000	-0.28571429
2422	0.05000000	0.60000000	-0.21125000
2423	0.28571429	0.50000000	-0.08750000
2424	0.05000000	1.00000000	-0.14708333
2425	0.10000000	0.50000000	0.00000000
2426	0.10000000	1.00000000	-0.19659091
2427	0.10000000	1.00000000	-0.23500000
2428	0.20000000	0.80000000	-0.20000000
2429	0.03333333	1.00000000	-0.35318627
2430	0.05000000	1.00000000	-0.23313492
2431	0.13636364	0.80000000	-0.40000000
2432	0.10000000	0.50000000	-0.45625000
2433	0.13636364	0.70000000	-0.24090909
2434	0.03333333	1.00000000	-0.28416667
2435	0.10000000	0.10000000	-0.21851852
2436	0.13636364	1.00000000	-0.37500000
2437	0.05000000	0.50000000	-0.20223214
2438	0.10000000	1.00000000	-0.45937500
2439	0.03333333	1.00000000	-0.21486111
2440	0.10000000	0.75000000	-0.50000000
2441	0.10000000	0.40000000	0.00000000
2442	0.20000000	0.50000000	-0.34236111
2443	0.03333333	0.50000000	-0.55000000
2444	0.06250000	1.00000000	-0.31666667
2445	0.10000000	1.00000000	-0.22021605
2446	0.10000000	0.50000000	-0.40000000
2447	0.03333333	0.80000000	-0.29189815
2448	0.25000000	0.40000000	-0.25000000
2449	0.25000000	1.00000000	-0.56000000
2450	0.13636364	0.50000000	-0.20000000

2451	0.10000000	0.50000000	-0.14722222
2452	0.10000000	0.60000000	-0.22500000
2453	0.10000000	1.00000000	-0.29431217
2454	0.03333333	0.85000000	-0.28319444
2455	0.06250000	1.00000000	-0.27245370
2456	0.05000000	1.00000000	-0.29922619
2457	0.03333333	0.35000000	-0.17916667
2458	0.10000000	0.60000000	0.00000000
2459	0.10000000	0.50000000	-0.35111111
2460	0.10000000	1.00000000	-0.40148809
2461	0.10000000	0.60000000	-0.28106061
2462	0.03333333	1.00000000	-0.33534799
2463	0.03333333	1.00000000	-0.18366402
2464	0.03333333	1.00000000	-0.22888889
2465	0.10000000	0.70000000	-0.23055556
2466	0.25000000	0.50000000	-0.50000000
2467	0.03333333	1.00000000	-0.29387255
2468	0.06250000	1.00000000	-0.31666667
2469	0.03333333	1.00000000	-0.15000000
2470	0.03333333	0.60000000	-0.25595238
2471	0.10000000	0.70000000	-0.30000000
2472	0.06250000	1.00000000	-0.18080357
2473	0.13636364	0.60000000	-0.23531746
2474	0.10000000	1.00000000	-0.21250000
2475	0.20000000	1.00000000	-0.11041667
2476	0.13636364	1.00000000	-0.23703704
2477	0.10000000	0.50000000	-0.17500000
2478	0.10000000	1.00000000	-0.33437500
2479	0.06250000	1.00000000	-0.27708333
2480	0.03333333	1.00000000	-0.25618687
2481	0.13636364	1.00000000	-0.30726191
2482	0.03333333	1.00000000	-0.21768813
2483	0.13636364	0.40000000	-0.23333333
2484	0.10000000	1.00000000	-0.14500000
2485	0.10000000	0.75000000	-0.21666667
2486	0.00000000	0.00000000	-0.20000000
2487	0.20000000	0.80000000	-0.45214286
2488	0.03333333	1.00000000	-0.41944444
2489	0.15000000	0.80000000	-0.24583333
2490	0.10000000	0.60000000	-0.21833333
2491	0.10000000	0.80000000	-0.22500000
2492	0.10000000	1.00000000	-0.29694444
2493	0.10000000	1.00000000	-0.07142857
2494	0.05000000	1.00000000	-0.26543210
2495	0.10000000	0.50000000	-0.44500000
2496	0.03333333	1.00000000	-0.24687500
2497	0.10000000	0.60000000	-0.60000000
2498	0.10000000	0.70000000	-0.33333333
2499	0.03333333	1.00000000	-0.42666667
2500	0.10000000	0.43333333	-0.30000000
2501	0.03333333	0.50000000	-0.24444444
2502	0.10000000	0.60000000	-0.20000000
2503	0.10000000	1.00000000	-0.27916667
2504	0.10000000	0.90000000	-0.17962963

2505	0.10000000	1.00000000	−0.15451389
2506	0.03333333	0.60000000	−0.44166667
2507	0.10000000	0.60000000	−0.17299107
2508	0.13636364	1.00000000	−0.20000000
2509	0.10000000	0.80000000	−0.18368056
2510	0.16666667	0.50000000	−0.47500000
2511	0.50000000	0.50000000	−0.17500000
2512	0.03333333	1.00000000	−0.26237162
2513	0.10000000	0.85000000	−0.16875000
2514	0.03333333	1.00000000	−0.34259463
2515	0.16666667	0.50000000	−0.08750000
2516	0.20000000	0.60000000	−0.41666667
2517	0.10000000	0.50000000	−0.05000000
2518	0.03333333	0.60000000	−0.35000000
2519	0.13636364	0.60000000	−0.40833333
2520	0.25000000	0.80000000	−0.12500000
2521	0.03333333	1.00000000	−0.15069444
2522	0.20000000	0.70000000	−0.41875000
2523	0.03333333	0.80000000	−0.18863636
2524	0.10000000	0.90000000	−0.05000000
2525	0.20000000	0.50000000	−0.22000000
2526	0.10000000	1.00000000	−0.35813492
2527	0.10000000	0.60000000	−0.22500000
2528	0.16666667	0.80000000	−0.50000000
2529	0.10000000	0.80000000	−0.28205128
2530	0.03333333	1.00000000	0.00000000
2531	0.06250000	1.00000000	−0.32470238
2532	0.25000000	0.80000000	−0.09027778
2533	0.05000000	0.80000000	−0.18463203
2534	0.10000000	0.70000000	−0.19000000
2535	0.10000000	0.70000000	−0.16666667
2536	0.20000000	0.75000000	−0.23888889
2537	0.06250000	0.70000000	−0.16064815
2538	0.05000000	0.50000000	−0.38229167
2539	0.10000000	0.80000000	−0.39236111
2540	0.13636364	0.80000000	−0.20845238
2541	0.03333333	0.50000000	−0.08571429
2542	0.10000000	1.00000000	−0.44750000
2543	0.13636364	1.00000000	−0.35354938
2544	0.06250000	1.00000000	−0.30000000
2545	0.10000000	0.50000000	−0.16666667
2546	0.10000000	0.70000000	−0.13988095
2547	0.03333333	1.00000000	−0.22187500
2548	0.10000000	0.70000000	−0.32812500
2549	0.10000000	0.70000000	−0.11388889
2550	0.10000000	1.00000000	−0.05000000
2551	0.03333333	1.00000000	−0.15868056
2552	0.05000000	0.70000000	−0.15717593
2553	0.03333333	1.00000000	−0.29983766
2554	0.03333333	1.00000000	0.00000000
2555	0.06250000	0.50000000	−0.24166667
2556	0.13636364	1.00000000	−0.20937500
2557	0.13636364	0.80000000	−0.33342593
2558	0.10000000	0.85000000	−0.27500000

	min_negative_polarity	max_negative_polarity	title_subjectivity
2559	0.13636364	0.70000000	-0.33333333
2560	0.25000000	0.90000000	-0.13055556
2561	0.13636364	0.60000000	-0.12500000
2562	0.13636364	0.50000000	-0.16388889
2563	0.00000000	0.00000000	0.00000000
2564	0.10000000	0.80000000	-0.22619048

	min_negative_polarity	max_negative_polarity	title_subjectivity
1	-0.60000000	-0.200000000	0.50000000
2	-0.12500000	-0.100000000	0.00000000
3	-0.80000000	-0.133333333	0.00000000
4	-0.60000000	-0.166666667	0.00000000
5	-0.50000000	-0.050000000	0.45454545
6	-0.40000000	-0.100000000	0.64285714
7	-0.50000000	-0.050000000	0.00000000
8	-0.50000000	-0.050000000	1.00000000
9	-0.12500000	-0.125000000	0.12500000
10	-0.50000000	-0.100000000	0.00000000
11	-1.00000000	-0.100000000	0.00000000
12	-0.40000000	-0.125000000	0.00000000
13	-0.60000000	-0.050000000	1.00000000
14	-0.70000000	-0.100000000	1.00000000
15	-0.18750000	-0.050000000	0.75000000
16	-0.60000000	-0.050000000	0.75000000
17	-1.00000000	-0.050000000	0.56666667
18	-0.20000000	-0.100000000	0.00000000
19	-0.12500000	-0.125000000	0.85714286
20	-0.50000000	-0.050000000	0.50000000
21	-0.50000000	-0.050000000	0.00000000
22	-0.16666667	-0.050000000	0.00000000
23	-0.50000000	-0.050000000	0.00000000
24	0.00000000	0.000000000	0.45000000
25	-1.00000000	-0.125000000	0.70000000
26	-0.20000000	-0.050000000	0.90000000
27	-0.50000000	-0.125000000	0.00000000
28	-0.50000000	-0.050000000	0.50000000
29	-0.31250000	-0.125000000	0.00000000
30	-0.60000000	-0.100000000	0.50000000
31	-0.50000000	-0.050000000	0.00000000
32	-0.80000000	-0.100000000	0.00000000
33	-0.40000000	-0.008333333	0.00000000
34	-0.40000000	-0.100000000	1.00000000
35	-0.40000000	-0.400000000	0.00000000
36	-0.50000000	-0.125000000	0.55000000
37	-0.60000000	-0.050000000	1.00000000
38	-0.50000000	-0.125000000	0.66666667
39	-0.60000000	-0.050000000	0.00000000
40	0.00000000	0.000000000	0.40000000
41	-0.50000000	-0.050000000	0.00000000
42	0.00000000	0.000000000	0.00000000
43	-0.50000000	-0.050000000	0.00000000
44	-0.50000000	-0.050000000	0.70000000
45	-0.50000000	-0.050000000	0.00000000
46	-0.30000000	-0.300000000	0.00000000
47	-0.50000000	-0.050000000	0.00000000

48	-0.80000000	-0.125000000	0.58333333
49	-0.50000000	-0.050000000	0.00000000
50	-0.50000000	-0.050000000	0.00000000
51	-0.40000000	-0.400000000	0.85000000
52	-0.50000000	-0.050000000	0.64285714
53	-0.70000000	-0.050000000	0.00000000
54	-0.50000000	-0.100000000	0.42727273
55	-0.50000000	-0.050000000	0.33333333
56	-0.40000000	-0.125000000	0.50000000
57	-1.00000000	-0.050000000	0.65000000
58	-0.40000000	-0.400000000	0.25000000
59	0.00000000	0.000000000	0.45454545
60	-0.40000000	-0.071428571	0.50000000
61	-0.50000000	-0.050000000	0.00000000
62	0.00000000	0.000000000	0.00000000
63	-0.50000000	-0.050000000	0.33333333
64	-0.40000000	-0.125000000	0.06666667
65	-0.50000000	-0.050000000	0.00000000
66	-0.40000000	-0.100000000	0.75000000
67	-0.40000000	-0.050000000	0.37500000
68	-0.30000000	-0.125000000	0.48333333
69	-0.20000000	-0.133333333	0.50000000
70	-0.10000000	-0.100000000	0.00000000
71	-0.50000000	-0.100000000	0.00000000
72	-0.50000000	-0.125000000	0.00000000
73	-0.40000000	-0.200000000	0.00000000
74	-0.25000000	-0.200000000	0.50000000
75	-0.50000000	-0.050000000	0.45454545
76	-0.20000000	-0.050000000	0.00000000
77	-0.70000000	-0.071428571	0.45454545
78	-1.00000000	-0.100000000	0.00000000
79	-0.80000000	-0.150000000	0.00000000
80	-0.80000000	-0.100000000	0.00000000
81	-0.70000000	-0.050000000	0.30000000
82	-0.15000000	-0.150000000	0.00000000
83	-0.50000000	-0.050000000	0.00000000
84	-0.50000000	-0.100000000	0.30000000
85	-0.30000000	-0.300000000	0.00000000
86	-0.50000000	-0.025000000	0.00000000
87	-0.60000000	-0.187500000	0.10000000
88	0.00000000	0.000000000	0.66666667
89	-1.00000000	-0.025000000	0.40000000
90	-0.50000000	-0.050000000	0.80000000
91	-0.50000000	-0.050000000	0.30000000
92	-0.70000000	-0.125000000	0.06666667
93	-0.20000000	-0.125000000	0.00000000
94	-0.50000000	-0.200000000	0.00000000
95	-1.00000000	-0.071428571	0.00000000
96	-0.16666667	-0.100000000	0.00000000
97	-1.00000000	-0.150000000	1.00000000
98	-0.80000000	-0.050000000	0.20000000
99	-1.00000000	-0.075000000	0.00000000
100	-0.40000000	-0.166666667	0.10000000
101	-1.00000000	-0.300000000	0.54375000

102	−0.50000000	−0.050000000	0.50000000
103	−0.50000000	−0.050000000	0.00000000
104	−0.50000000	−0.050000000	0.00000000
105	−0.50000000	−0.050000000	0.00000000
106	−0.50000000	−0.100000000	0.00000000
107	−0.60000000	−0.125000000	0.10000000
108	−0.40000000	−0.100000000	0.00000000
109	−0.30000000	−0.300000000	0.00000000
110	−0.50000000	−0.050000000	0.00000000
111	−0.30000000	−0.100000000	0.00000000
112	−0.15555556	−0.100000000	0.00000000
113	−0.50000000	−0.300000000	0.95000000
114	−1.00000000	−0.033333333	1.00000000
115	−1.00000000	−0.025000000	0.31250000
116	−0.80000000	−0.050000000	0.00000000
117	−1.00000000	−0.166666667	0.33333333
118	−0.70000000	−0.166666667	0.45454545
119	−0.50000000	−0.071428571	0.28888889
120	−0.20000000	−0.200000000	0.00000000
121	−0.80000000	−0.100000000	0.00000000
122	−0.12500000	−0.125000000	0.40000000
123	0.00000000	0.000000000	0.00000000
124	−0.50000000	−0.155555556	0.00000000
125	−0.16666667	−0.050000000	0.00000000
126	0.00000000	0.000000000	0.42857143
127	−0.60000000	−0.125000000	0.90000000
128	−0.12500000	−0.125000000	0.00000000
129	−0.71428571	−0.250000000	0.00000000
130	−0.40000000	−0.166666667	0.60000000
131	−0.80000000	−0.100000000	0.06666667
132	−1.00000000	−0.050000000	0.00000000
133	−0.50000000	−0.050000000	0.64285714
134	−0.40000000	−0.178571429	0.00000000
135	−0.50000000	−0.050000000	0.90000000
136	−0.80000000	−0.071428571	0.00000000
137	−0.50000000	−0.100000000	0.90000000
138	−0.50000000	−0.250000000	0.70000000
139	−0.50000000	−0.100000000	0.70000000
140	−0.16666667	−0.071428571	0.00000000
141	−1.00000000	−0.050000000	0.00000000
142	−0.60000000	−0.050000000	0.06666667
143	0.00000000	0.000000000	0.00000000
144	−0.25000000	−0.250000000	0.50000000
145	−1.00000000	−0.100000000	0.00000000
146	−0.40000000	−0.050000000	0.00000000
147	−0.60000000	−0.050000000	0.00000000
148	−0.50000000	−0.050000000	0.30000000
149	0.00000000	0.000000000	0.00000000
150	−0.50000000	−0.100000000	0.00000000
151	−0.20000000	−0.100000000	0.00000000
152	−0.40000000	−0.100000000	0.40000000
153	−0.80000000	−0.800000000	0.00000000
154	−0.12500000	−0.125000000	0.45454545
155	0.00000000	0.000000000	0.00000000

156	-0.70000000	-0.200000000	0.00000000
157	-1.00000000	-0.155555556	0.83333333
158	-0.50000000	-0.050000000	0.00000000
159	-0.30000000	-0.166666667	0.10000000
160	-0.40000000	-0.178571429	0.00000000
161	-0.40000000	-0.200000000	0.33333333
162	-0.60000000	-0.071428571	0.00000000
163	-1.00000000	-0.050000000	0.90000000
164	-0.50000000	-0.050000000	1.00000000
165	-0.38888889	-0.100000000	1.00000000
166	-0.80000000	-0.166666667	0.00000000
167	-0.13333333	-0.100000000	0.00000000
168	-0.50000000	-0.050000000	0.00000000
169	-0.50000000	-0.071428571	0.00000000
170	-0.40000000	-0.250000000	0.00000000
171	-0.80000000	-0.100000000	0.90000000
172	-0.50000000	-0.050000000	0.57142857
173	-0.10000000	-0.100000000	0.50000000
174	-0.20000000	-0.166666667	0.50707071
175	-0.80000000	-0.166666667	0.00000000
176	-0.50000000	-0.050000000	0.00000000
177	-1.00000000	-0.300000000	1.00000000
178	-0.50000000	-0.050000000	0.48809524
179	-0.70000000	-0.155555556	0.00000000
180	-0.50000000	-0.100000000	0.38333333
181	0.00000000	0.000000000	0.00000000
182	-0.80000000	-0.100000000	0.00000000
183	-0.25000000	-0.250000000	0.80000000
184	-0.60000000	-0.071428571	0.40000000
185	-1.00000000	-0.166666667	0.00000000
186	-0.40000000	-0.125000000	0.00000000
187	-0.60000000	-0.100000000	0.00000000
188	-0.16666667	-0.166666667	0.00000000
189	-0.50000000	-0.125000000	0.45454545
190	-0.50000000	-0.166666667	0.50000000
191	-0.60000000	-0.100000000	0.00000000
192	-0.25000000	-0.125000000	0.50000000
193	-0.90000000	-0.050000000	0.90000000
194	-0.50000000	-0.050000000	0.00000000
195	-0.30000000	-0.100000000	0.00000000
196	-1.00000000	-0.083333333	0.00000000
197	-0.60000000	-0.125000000	0.00000000
198	-0.50000000	-0.100000000	0.00000000
199	-0.50000000	-0.100000000	0.20000000
200	-0.60000000	-0.100000000	0.60000000
201	-0.10000000	-0.100000000	0.00000000
202	-0.50000000	-0.025000000	0.45454545
203	-0.70000000	-0.100000000	0.00000000
204	-0.50000000	-0.071428571	0.00000000
205	0.00000000	0.000000000	0.28333333
206	-0.40000000	-0.100000000	0.00000000
207	-0.60000000	-0.100000000	0.20000000
208	-0.50000000	-0.050000000	0.45454545
209	-0.30000000	-0.012500000	0.00000000

210	-0.50000000	-0.050000000	0.00000000
211	-0.12500000	-0.050000000	1.00000000
212	-1.00000000	-0.050000000	0.83333333
213	-0.80000000	-0.050000000	0.00000000
214	-0.60000000	-0.050000000	0.00000000
215	-1.00000000	-0.050000000	0.00000000
216	-1.00000000	-0.125000000	0.31250000
217	-0.18750000	-0.033333333	0.00000000
218	-0.25000000	-0.100000000	0.00000000
219	-0.75000000	-0.155555556	0.00000000
220	-0.30000000	-0.100000000	0.00000000
221	-0.70000000	-0.071428571	0.10000000
222	-0.20000000	-0.100000000	0.00000000
223	-0.60000000	-0.050000000	0.00000000
224	-0.60000000	-0.250000000	0.00000000
225	-0.50000000	-0.050000000	0.70000000
226	-0.25000000	-0.250000000	0.50000000
227	-0.50000000	-0.050000000	1.00000000
228	-0.15555556	-0.071428571	0.00000000
229	-0.70000000	-0.155555556	0.20000000
230	-0.70000000	-0.050000000	0.00000000
231	-0.16666667	-0.100000000	0.00000000
232	-0.30000000	-0.100000000	0.00000000
233	-0.80000000	-0.125000000	1.00000000
234	-0.80000000	-0.250000000	0.00000000
235	-0.66666667	-0.125000000	0.00000000
236	-0.80000000	-0.012500000	0.75000000
237	-0.50000000	-0.050000000	0.30000000
238	-0.80000000	-0.125000000	0.00000000
239	-0.60000000	-0.100000000	0.00000000
240	-1.00000000	-0.050000000	0.00000000
241	-0.70000000	-0.050000000	0.00000000
242	-0.60000000	-0.291666667	0.00000000
243	0.00000000	0.000000000	0.00000000
244	-0.33333333	-0.200000000	0.40000000
245	-0.15555556	-0.155555556	0.40000000
246	-0.70000000	-0.166666667	0.55000000
247	-0.50000000	-0.050000000	0.12500000
248	-0.60000000	-0.050000000	0.00000000
249	-0.20000000	-0.050000000	0.00000000
250	-0.50000000	-0.050000000	0.95000000
251	-0.12500000	-0.125000000	0.50000000
252	0.00000000	0.000000000	0.00000000
253	-0.50000000	-0.050000000	0.00000000
254	-0.60000000	-0.100000000	0.16666667
255	-0.40000000	-0.050000000	0.45454545
256	-0.80000000	-0.008333333	0.00000000
257	-0.50000000	-0.071428571	0.00000000
258	-0.18750000	-0.033333333	0.00000000
259	-0.29166667	-0.050000000	0.00000000
260	-0.40000000	-0.050000000	0.00000000
261	-0.40000000	-0.100000000	0.00000000
262	-0.30000000	-0.125000000	1.00000000
263	-0.60000000	-0.100000000	0.75000000

264	-0.20000000	-0.033333333	0.30000000
265	-1.00000000	-0.100000000	0.35000000
266	-1.00000000	-0.075000000	0.21666667
267	-0.80000000	-0.100000000	0.00000000
268	-0.25000000	-0.250000000	0.00000000
269	-0.90000000	-0.050000000	1.00000000
270	-0.50000000	-0.125000000	0.00000000
271	-0.60000000	-0.200000000	0.80000000
272	-0.15555556	-0.155555556	0.00000000
273	-1.00000000	-0.125000000	1.00000000
274	-0.70000000	-0.125000000	0.00000000
275	0.00000000	0.000000000	0.50000000
276	0.00000000	0.000000000	0.00000000
277	-0.40000000	-0.050000000	0.45454545
278	-0.75000000	-0.100000000	0.45454545
279	-0.30000000	-0.100000000	0.00000000
280	-0.50000000	-0.025000000	0.00000000
281	-0.50000000	-0.050000000	0.33333333
282	-0.80000000	-0.033333333	0.47500000
283	-0.60000000	-0.125000000	0.00000000
284	-0.30000000	-0.200000000	0.00000000
285	-0.30000000	-0.250000000	0.00000000
286	-0.20000000	-0.033333333	0.75000000
287	-0.40000000	-0.125000000	0.70000000
288	-0.70000000	-0.050000000	0.43333333
289	-0.18750000	-0.187500000	0.82500000
290	-0.50000000	-0.050000000	0.00000000
291	-0.50000000	-0.050000000	0.82142857
292	-0.50000000	-0.050000000	0.40000000
293	-0.60000000	-0.050000000	0.00000000
294	-0.66666667	-0.100000000	0.20000000
295	-0.50000000	-0.166666667	0.00000000
296	-0.50000000	-0.133333333	0.80000000
297	-0.60000000	-0.100000000	0.66666667
298	-0.80000000	-0.050000000	0.91666667
299	-1.00000000	-0.050000000	0.90000000
300	-1.00000000	-0.050000000	0.00000000
301	-0.50000000	-0.150000000	0.50000000
302	-0.80000000	-0.125000000	0.05000000
303	-0.40000000	-0.125000000	0.00000000
304	-0.40000000	-0.166666667	0.00000000
305	-0.30000000	-0.300000000	0.60000000
306	-0.15555556	-0.100000000	0.64285714
307	-0.50000000	-0.050000000	0.48809524
308	-0.31250000	-0.050000000	0.00000000
309	-0.18750000	-0.100000000	0.33333333
310	-0.20000000	-0.050000000	0.00000000
311	-0.10000000	-0.100000000	0.40000000
312	-0.75000000	-0.100000000	0.00000000
313	-0.50000000	-0.300000000	0.70000000
314	-0.80000000	-0.100000000	0.50000000
315	-0.80000000	-0.125000000	0.50000000
316	-0.10000000	-0.100000000	0.75000000
317	-1.00000000	-0.033333333	0.00000000

318	-0.20000000	-0.125000000	0.50000000
319	-0.50000000	-0.155555556	1.00000000
320	-0.70000000	-0.100000000	0.66666667
321	-1.00000000	-0.166666667	0.00000000
322	-0.50000000	-0.050000000	0.00000000
323	-0.18750000	-0.033333333	0.66666667
324	-0.60000000	-0.050000000	0.00000000
325	-0.60000000	-0.166666667	0.30000000
326	-0.50000000	-0.050000000	0.64285714
327	-0.37500000	-0.100000000	0.05000000
328	-1.00000000	-0.033333333	0.75000000
329	-0.40000000	-0.050000000	0.50000000
330	-0.50000000	-0.050000000	0.50000000
331	-0.50000000	-0.050000000	0.00000000
332	-0.80000000	-0.100000000	1.00000000
333	-0.15000000	-0.125000000	0.50000000
334	-0.50000000	-0.050000000	0.00000000
335	-1.00000000	-0.100000000	0.00000000
336	-0.40000000	-0.166666667	0.40000000
337	-0.50000000	-0.050000000	0.90000000
338	-0.12500000	-0.125000000	0.00000000
339	-0.12500000	-0.050000000	0.50000000
340	-0.70000000	-0.125000000	0.50000000
341	-0.40000000	-0.166666667	0.00000000
342	-0.50000000	-0.125000000	0.75000000
343	-0.50000000	-0.100000000	1.00000000
344	-0.70000000	-0.200000000	0.00000000
345	-0.75000000	-0.100000000	0.50000000
346	-0.60000000	-0.125000000	0.10000000
347	-0.40000000	-0.100000000	0.00000000
348	-1.00000000	-0.100000000	0.00000000
349	-0.60000000	-0.050000000	0.85000000
350	-0.18750000	-0.155555556	0.65000000
351	-1.00000000	-0.050000000	0.75000000
352	0.00000000	0.000000000	0.53750000
353	-0.29166667	-0.155555556	0.00000000
354	-0.31250000	-0.071428571	0.00000000
355	-0.50000000	-0.500000000	0.00000000
356	-0.80000000	-0.050000000	0.00000000
357	-0.50000000	-0.100000000	0.00000000
358	-0.70000000	-0.166666667	0.00000000
359	-0.62500000	-0.150000000	0.45454545
360	-0.75000000	-0.100000000	0.00000000
361	-0.60000000	-0.100000000	0.62500000
362	-0.60000000	-0.100000000	0.62500000
363	-0.40000000	-0.050000000	0.00000000
364	-1.00000000	-0.100000000	0.00000000
365	-1.00000000	-0.100000000	1.00000000
366	-0.07142857	-0.071428571	0.30000000
367	-0.50000000	-0.100000000	0.20000000
368	-0.30000000	-0.125000000	0.06666667
369	-0.40000000	-0.125000000	0.30000000
370	-0.80000000	-0.071428571	0.00000000
371	-0.60000000	-0.100000000	0.00000000

372	-0.60000000	-0.050000000	0.50000000
373	-0.50000000	-0.050000000	0.40000000
374	-0.12500000	-0.125000000	0.10000000
375	-0.30000000	-0.050000000	0.10000000
376	-0.30000000	-0.300000000	0.37500000
377	-0.12500000	-0.050000000	0.00000000
378	-0.70000000	-0.400000000	0.00000000
379	-0.50000000	-0.050000000	0.20000000
380	-0.15555556	-0.150000000	1.00000000
381	-0.60000000	-0.100000000	0.00000000
382	-0.20000000	-0.125000000	0.66666667
383	-0.12500000	-0.125000000	0.00000000
384	-0.60000000	-0.071428571	0.22500000
385	-0.40000000	-0.076923077	0.16666667
386	-0.18750000	-0.125000000	0.41666667
387	-0.50000000	-0.125000000	0.00000000
388	-0.12500000	-0.125000000	0.50707071
389	-0.40000000	-0.155555556	0.50000000
390	-0.70000000	-0.075000000	0.40000000
391	-0.25000000	-0.250000000	0.00000000
392	-0.25000000	-0.100000000	0.50000000
393	-0.80000000	-0.050000000	0.50000000
394	-0.40000000	-0.050000000	0.00000000
395	-0.50000000	-0.050000000	0.62500000
396	-0.50000000	-0.071428571	0.00000000
397	-0.50000000	-0.125000000	0.00000000
398	-0.80000000	-0.187500000	0.00000000
399	-0.80000000	-0.050000000	0.50000000
400	-0.33333333	-0.071428571	0.21428571
401	-0.40000000	-0.050000000	0.00000000
402	-0.25000000	-0.050000000	1.00000000
403	-0.60000000	-0.166666667	0.75000000
404	-0.12500000	-0.075000000	0.80000000
405	-1.00000000	-0.050000000	0.75000000
406	-0.60000000	-0.166666667	0.30000000
407	-0.40000000	-0.125000000	0.10000000
408	-1.00000000	-0.125000000	0.40000000
409	-1.00000000	-0.050000000	0.45454545
410	-0.60000000	-0.100000000	0.30000000
411	-0.50000000	-0.155555556	0.16666667
412	-0.30000000	-0.050000000	0.00000000
413	-0.15000000	-0.150000000	0.50000000
414	-0.16666667	-0.125000000	1.00000000
415	-0.70000000	-0.050000000	0.00000000
416	-1.00000000	-0.025000000	0.06666667
417	-0.50000000	-0.125000000	0.80000000
418	-0.13333333	-0.133333333	0.28333333
419	-0.30000000	-0.125000000	0.50000000
420	-1.00000000	-0.050000000	0.20000000
421	-0.40000000	-0.050000000	0.40000000
422	-0.50000000	-0.155555556	0.00000000
423	-1.00000000	-0.076923077	0.00000000
424	-0.10000000	-0.025000000	0.45454545
425	-0.25000000	-0.125000000	0.50000000

426	-0.30000000	-0.083333333	0.00000000
427	-1.00000000	-0.125000000	0.50000000
428	-1.00000000	-0.200000000	0.50000000
429	-0.60000000	-0.100000000	0.00000000
430	-0.80000000	-0.125000000	0.00000000
431	-0.50000000	-0.100000000	0.12500000
432	-0.30000000	-0.100000000	0.33333333
433	-0.20000000	-0.125000000	0.00000000
434	-0.50000000	-0.100000000	0.00000000
435	-1.00000000	-0.008333333	0.00000000
436	-0.50000000	-0.200000000	0.00000000
437	-0.40000000	-0.400000000	0.45000000
438	-1.00000000	-0.050000000	0.70707071
439	-0.71428571	-0.050000000	0.00000000
440	-0.38888889	-0.050000000	1.00000000
441	-0.60000000	-0.166666667	0.50000000
442	-0.50000000	-0.125000000	0.52222222
443	-0.12500000	-0.100000000	0.00000000
444	-1.00000000	-0.050000000	0.66666667
445	-1.00000000	-0.125000000	0.00000000
446	-0.71428571	-0.083333333	0.00000000
447	-0.50000000	-0.155555556	0.40000000
448	-0.80000000	-0.050000000	1.00000000
449	-1.00000000	-0.100000000	0.00000000
450	-0.15000000	-0.050000000	0.06666667
451	-0.60000000	-0.125000000	0.55555556
452	-0.20000000	-0.025000000	0.44166667
453	-0.15555556	-0.100000000	0.10000000
454	-0.80000000	-0.125000000	0.45454545
455	-0.05000000	-0.050000000	0.00000000
456	-0.71428571	-0.125000000	0.00000000
457	-1.00000000	-0.050000000	1.00000000
458	-0.20000000	-0.200000000	0.00000000
459	-0.65000000	-0.312500000	0.45454545
460	-0.30000000	-0.187500000	0.00000000
461	-0.75000000	-0.071428571	0.00000000
462	-0.80000000	-0.071428571	0.00000000
463	-0.25000000	-0.050000000	0.50000000
464	0.00000000	0.000000000	0.00000000
465	-0.50000000	-0.100000000	0.50000000
466	-0.40000000	-0.125000000	1.00000000
467	-0.50000000	-0.166666667	0.10000000
468	-0.15555556	-0.155555556	0.50000000
469	-1.00000000	-0.333333333	1.00000000
470	-1.00000000	-0.071428571	0.40000000
471	-0.10000000	-0.071428571	0.00000000
472	-0.80000000	-0.050000000	0.00000000
473	-0.30000000	-0.050000000	0.00000000
474	-0.20000000	-0.125000000	0.20000000
475	-0.71428571	-0.100000000	0.61111111
476	-0.80000000	-0.050000000	0.00000000
477	-0.40000000	-0.071428571	0.00000000
478	-0.16666667	-0.100000000	0.50000000
479	-0.50000000	-0.071428571	0.00000000

480	-0.30000000	-0.050000000	0.00000000
481	0.00000000	0.000000000	0.00000000
482	-0.20000000	-0.100000000	0.10000000
483	-0.60000000	-0.100000000	0.06666667
484	-0.50000000	-0.500000000	0.90000000
485	-0.40000000	-0.100000000	0.00000000
486	-0.30000000	-0.050000000	0.26060606
487	-0.40000000	-0.100000000	0.00000000
488	-0.50000000	-0.100000000	0.00000000
489	-0.60000000	-0.150000000	0.90000000
490	-0.50000000	-0.050000000	0.33333333
491	-1.00000000	-0.050000000	0.00000000
492	-0.80000000	-0.050000000	0.35000000
493	-0.25000000	-0.050000000	0.00000000
494	-0.15555556	-0.125000000	0.00000000
495	-0.50000000	-0.050000000	0.50000000
496	-1.00000000	-0.125000000	0.00000000
497	-0.60000000	-0.050000000	0.00000000
498	-0.62500000	-0.187500000	0.40000000
499	-0.38888889	-0.100000000	0.00000000
500	-0.60000000	-0.076923077	0.40000000
501	-0.20000000	-0.025000000	0.14285714
502	-1.00000000	-0.050000000	0.50000000
503	0.00000000	0.000000000	0.00000000
504	-1.00000000	-0.083333333	0.00000000
505	-0.43333333	-0.050000000	0.00000000
506	-0.50000000	-0.100000000	1.00000000
507	-0.10000000	-0.100000000	0.00000000
508	-0.60000000	-0.100000000	0.00000000
509	-0.60000000	-0.050000000	0.00000000
510	-0.40000000	-0.187500000	0.90000000
511	-0.50000000	-0.200000000	0.00000000
512	-0.40000000	-0.166666667	0.00000000
513	-0.50000000	-0.100000000	0.00000000
514	-0.30000000	-0.100000000	0.00000000
515	-0.50000000	-0.100000000	0.00000000
516	0.00000000	0.000000000	0.00000000
517	-0.50000000	-0.200000000	0.10000000
518	-0.30000000	-0.100000000	0.50000000
519	-0.50000000	-0.100000000	0.50000000
520	-0.29166667	-0.100000000	0.18888889
521	-0.60000000	-0.071428571	0.40000000
522	-1.00000000	-0.050000000	0.90000000
523	-0.60000000	-0.100000000	0.00000000
524	-0.50000000	-0.050000000	0.36666667
525	-0.30000000	-0.200000000	0.00000000
526	-0.33333333	-0.200000000	0.00000000
527	-0.30000000	-0.066666667	0.00000000
528	-1.00000000	-0.008333333	0.50000000
529	-0.33333333	-0.050000000	0.00000000
530	-0.60000000	-0.050000000	0.00000000
531	-0.50000000	-0.100000000	0.00000000
532	-0.16666667	-0.050000000	0.00000000
533	-0.30000000	-0.166666667	0.00000000

534	-0.60000000	-0.025000000	0.00000000
535	-0.71428571	-0.100000000	0.06666667
536	-0.12500000	-0.050000000	0.80000000
537	-0.50000000	-0.175000000	1.00000000
538	-0.70000000	-0.125000000	0.00000000
539	-0.25000000	-0.125000000	0.50000000
540	-0.71428571	-0.050000000	0.00000000
541	-0.80000000	-0.187500000	0.90000000
542	-0.60000000	-0.100000000	0.45454545
543	-0.50000000	-0.125000000	0.50000000
544	-0.70000000	-0.050000000	0.00000000
545	-0.30000000	-0.100000000	0.53333333
546	-0.25000000	-0.166666667	0.00000000
547	-0.10000000	-0.100000000	0.00000000
548	0.00000000	0.000000000	0.50000000
549	-0.70000000	-0.200000000	0.00000000
550	-0.31250000	-0.200000000	0.05000000
551	-0.50000000	-0.100000000	0.00000000
552	-0.50000000	-0.071428571	0.00000000
553	-0.60000000	-0.050000000	0.00000000
554	-0.50000000	-0.066666667	0.90000000
555	-0.31250000	-0.100000000	0.37727273
556	-1.00000000	-0.050000000	0.23333333
557	-0.75000000	-0.500000000	0.00000000
558	-0.66666667	-0.166666667	0.45454545
559	-0.50000000	-0.071428571	0.50000000
560	-0.80000000	-0.100000000	0.00000000
561	-0.80000000	-0.075000000	0.18333333
562	-0.40000000	-0.066666667	0.50000000
563	-0.60000000	-0.050000000	0.30000000
564	-1.00000000	-0.050000000	0.06666667
565	-0.20000000	-0.200000000	0.75000000
566	0.00000000	0.000000000	0.00000000
567	-0.18750000	-0.125000000	0.00000000
568	-0.60000000	-0.071428571	0.00000000
569	-0.50000000	-0.050000000	0.00000000
570	-0.60000000	-0.100000000	1.00000000
571	-0.20000000	-0.125000000	0.41666667
572	-0.50000000	-0.125000000	0.00000000
573	-0.40000000	-0.050000000	0.00000000
574	-0.60000000	-0.050000000	0.00000000
575	-1.00000000	-0.100000000	0.00000000
576	-0.20000000	-0.050000000	0.00000000
577	-0.50000000	-0.133333333	0.00000000
578	-1.00000000	-0.250000000	0.00000000
579	-0.20000000	-0.100000000	0.30000000
580	-0.50000000	-0.100000000	0.00000000
581	-0.50000000	-0.187500000	1.00000000
582	-0.20000000	-0.100000000	0.00000000
583	-0.60000000	-0.100000000	0.25000000
584	-0.60000000	-0.100000000	1.00000000
585	-0.75000000	-0.100000000	0.00000000
586	-0.25000000	-0.100000000	0.22727273
587	-0.60000000	-0.100000000	0.00000000

588	-0.40000000	-0.150000000	0.00000000
589	0.00000000	0.000000000	0.37500000
590	-1.00000000	-0.100000000	0.00000000
591	-0.20000000	-0.050000000	0.00000000
592	-0.40000000	-0.050000000	0.00000000
593	-0.40000000	-0.050000000	0.00000000
594	-1.00000000	-0.025000000	0.00000000
595	-0.80000000	-0.125000000	0.20000000
596	-0.66666667	-0.125000000	0.30000000
597	-0.80000000	-0.125000000	0.05000000
598	-0.40000000	-0.125000000	0.00000000
599	-0.25000000	-0.075000000	0.00000000
600	-0.70000000	-0.050000000	0.40000000
601	-0.50000000	-0.050000000	0.00000000
602	-0.80000000	-0.100000000	0.00000000
603	-0.40000000	-0.125000000	0.00000000
604	-0.50000000	-0.125000000	0.75000000
605	-0.60000000	-0.166666667	0.00000000
606	-0.25000000	-0.250000000	0.00000000
607	-0.25000000	-0.050000000	0.00000000
608	-0.50000000	-0.083333333	0.00000000
609	-1.00000000	-0.050000000	0.00000000
610	-0.80000000	-0.100000000	0.60000000
611	-0.80000000	-0.155555556	0.50000000
612	-0.40000000	-0.071428571	0.00000000
613	-1.00000000	-0.100000000	0.66666667
614	-0.50000000	-0.125000000	1.00000000
615	0.00000000	0.000000000	0.50000000
616	-1.00000000	-0.075000000	0.00000000
617	-0.71428571	-0.125000000	0.00000000
618	-0.12500000	-0.125000000	0.45454545
619	-0.30000000	-0.125000000	0.00000000
620	-0.30000000	-0.155555556	0.00000000
621	-0.80000000	-0.050000000	0.35230880
622	-1.00000000	-0.166666667	0.06666667
623	-0.90000000	-0.050000000	0.00000000
624	-0.33333333	-0.166666667	0.00000000
625	-0.40000000	-0.125000000	0.50000000
626	-0.70000000	-0.166666667	1.00000000
627	-0.40000000	-0.200000000	0.00000000
628	-0.50000000	-0.125000000	0.14444444
629	-0.50000000	-0.100000000	0.00000000
630	-0.80000000	-0.071428571	0.00000000
631	-0.40000000	-0.050000000	0.00000000
632	-0.70000000	-0.071428571	1.00000000
633	-0.50000000	-0.071428571	0.00000000
634	-0.12500000	-0.125000000	0.50000000
635	-1.00000000	-0.125000000	0.20000000
636	-0.50000000	-0.133333333	0.06666667
637	-0.66666667	-0.050000000	0.10000000
638	-0.40000000	-0.125000000	0.50000000
639	0.00000000	0.000000000	0.25000000
640	-1.00000000	-0.050000000	1.00000000
641	-0.40000000	-0.050000000	0.00000000

642	-0.20000000	-0.200000000	0.45454545
643	-0.60000000	-0.071428571	0.10000000
644	-0.25000000	-0.050000000	0.00000000
645	-0.16666667	-0.166666667	0.00000000
646	-0.29166667	-0.291666667	0.00000000
647	-0.29166667	-0.200000000	0.00000000
648	0.00000000	0.000000000	0.06666667
649	-0.50000000	-0.066666667	0.00000000
650	-0.16666667	-0.100000000	0.45454545
651	-0.70000000	-0.050000000	1.00000000
652	-0.25000000	-0.125000000	0.90000000
653	-1.00000000	-0.166666667	0.75000000
654	-0.40000000	-0.125000000	0.66666667
655	-0.50000000	-0.100000000	0.10000000
656	-0.37500000	-0.166666667	0.50000000
657	-0.40000000	-0.083333333	0.12500000
658	-0.50000000	-0.050000000	1.00000000
659	-0.50000000	-0.150000000	0.66666667
660	-0.25000000	-0.050000000	0.00000000
661	-0.21428571	-0.200000000	0.70000000
662	-1.00000000	-0.100000000	0.23333333
663	0.00000000	0.000000000	0.45454545
664	-0.80000000	-0.125000000	0.00000000
665	-0.40000000	-0.050000000	0.36666667
666	-0.60000000	-0.100000000	0.00000000
667	-0.25000000	-0.071428571	0.00000000
668	-0.30000000	-0.125000000	0.00000000
669	-0.50000000	-0.100000000	0.00000000
670	-0.10000000	-0.100000000	0.00000000
671	-0.70000000	-0.250000000	0.00000000
672	0.00000000	0.000000000	0.50000000
673	-0.20000000	-0.100000000	0.00000000
674	-0.20000000	-0.071428571	0.33333333
675	-0.60000000	-0.100000000	0.22727273
676	-0.50000000	-0.100000000	0.00000000
677	-0.20000000	-0.100000000	0.00000000
678	-1.00000000	-0.200000000	0.00000000
679	-0.30000000	-0.100000000	0.00000000
680	-0.80000000	-0.071428571	0.00000000
681	-0.80000000	-0.050000000	0.06666667
682	-0.12500000	-0.100000000	0.30000000
683	-0.60000000	-0.100000000	0.00000000
684	-1.00000000	-0.071428571	0.00000000
685	-0.50000000	-0.050000000	1.00000000
686	-0.18750000	-0.187500000	0.00000000
687	-0.60000000	-0.100000000	0.00000000
688	-1.00000000	-0.150000000	0.40000000
689	-0.70000000	-0.125000000	0.30000000
690	-0.40000000	-0.050000000	0.31818182
691	-0.20000000	-0.125000000	0.00000000
692	-0.18750000	-0.187500000	0.45454545
693	-0.30000000	-0.125000000	0.00000000
694	-0.18750000	-0.050000000	0.30000000
695	-0.40000000	-0.050000000	0.36785714

696	-0.60000000	-0.100000000	0.75000000
697	-0.60000000	-0.155555556	0.90000000
698	-1.00000000	-0.050000000	0.00000000
699	-1.00000000	-0.100000000	0.42380952
700	-0.05000000	-0.050000000	0.00000000
701	-0.40000000	-0.100000000	0.45454545
702	-0.70000000	-0.071428571	0.00000000
703	-0.31250000	-0.155555556	0.33333333
704	-0.43333333	-0.100000000	0.00000000
705	-0.60000000	-0.200000000	0.75000000
706	-0.40000000	-0.166666667	0.64285714
707	-0.40000000	-0.050000000	0.00000000
708	-0.25000000	-0.250000000	0.00000000
709	-0.25000000	-0.250000000	0.00000000
710	-0.50000000	-0.050000000	0.50000000
711	-1.00000000	-0.100000000	0.00000000
712	-0.50000000	-0.050000000	0.95000000
713	-0.20000000	-0.050000000	0.28333333
714	-0.70000000	-0.700000000	0.00000000
715	-0.50000000	-0.200000000	0.40000000
716	-0.80000000	-0.125000000	0.00000000
717	-1.00000000	-0.125000000	1.00000000
718	-0.40000000	-0.100000000	0.00000000
719	-0.33333333	-0.050000000	0.40000000
720	-0.43333333	-0.125000000	0.00000000
721	-1.00000000	-1.000000000	0.37500000
722	-0.50000000	-0.050000000	0.50000000
723	-0.60000000	-0.100000000	0.90000000
724	-1.00000000	-0.125000000	0.00000000
725	-1.00000000	-0.200000000	0.00000000
726	-0.15000000	-0.150000000	0.20000000
727	0.00000000	0.000000000	0.00000000
728	-0.50000000	-0.500000000	0.20000000
729	-0.66666667	-0.100000000	1.00000000
730	-0.70000000	-0.050000000	0.40000000
731	-0.40000000	-0.071428571	0.50000000
732	-0.80000000	-0.100000000	0.00000000
733	-0.75000000	-0.750000000	0.00000000
734	-0.25000000	-0.025000000	0.00000000
735	-0.25000000	-0.125000000	0.45454545
736	-0.16666667	-0.166666667	0.00000000
737	-1.00000000	-0.050000000	0.50000000
738	-1.00000000	-0.050000000	0.85000000
739	-1.00000000	-0.100000000	0.00000000
740	-0.50000000	-0.033333333	0.00000000
741	-0.60000000	-0.600000000	0.00000000
742	-0.60000000	-0.400000000	0.35555556
743	-0.60000000	-0.250000000	0.00000000
744	-0.70000000	-0.700000000	0.00000000
745	-0.25000000	-0.050000000	0.00000000
746	-0.40000000	-0.050000000	1.00000000
747	-0.40000000	-0.100000000	0.00000000
748	-0.50000000	-0.071428571	0.00000000
749	-0.50000000	-0.125000000	0.00000000

750	-0.20000000	-0.100000000	0.00000000
751	-0.40000000	-0.250000000	0.03333333
752	-0.40000000	-0.155555556	0.50000000
753	-0.10000000	-0.050000000	0.00000000
754	-0.40000000	-0.100000000	0.00000000
755	-0.12500000	-0.125000000	0.00000000
756	-0.10000000	-0.100000000	0.37500000
757	-0.60000000	-0.125000000	0.30000000
758	-0.40000000	-0.100000000	0.00000000
759	-0.20000000	-0.050000000	0.25000000
760	-0.30000000	-0.125000000	0.00000000
761	-0.40000000	-0.125000000	0.33333333
762	-1.00000000	-0.033333333	0.00000000
763	-0.60000000	-0.025000000	0.00000000
764	-1.00000000	-0.050000000	0.00000000
765	-1.00000000	-0.050000000	0.00000000
766	-0.80000000	-0.050000000	0.00000000
767	-0.16666667	-0.166666667	0.00000000
768	-0.80000000	-0.050000000	0.00000000
769	-0.25000000	-0.050000000	0.50000000
770	-0.70000000	-0.100000000	0.30000000
771	-0.30000000	-0.050000000	0.50000000
772	-1.00000000	-0.100000000	0.00000000
773	-1.00000000	-0.050000000	0.80000000
774	0.00000000	0.000000000	1.00000000
775	-1.00000000	-0.187500000	0.15000000
776	-0.70000000	-0.050000000	0.50000000
777	-0.30000000	-0.300000000	0.90000000
778	-1.00000000	-0.155555556	0.10000000
779	-0.80000000	-0.071428571	0.45454545
780	-0.40000000	-0.050000000	0.00000000
781	-0.25000000	-0.100000000	0.00000000
782	-1.00000000	-0.050000000	1.00000000
783	-0.50000000	-0.500000000	0.40000000
784	0.00000000	0.000000000	0.91666667
785	-0.30000000	-0.050000000	0.00000000
786	-0.25000000	-0.050000000	0.00000000
787	-0.20000000	-0.100000000	0.58333333
788	-0.60000000	-0.050000000	0.40000000
789	0.00000000	0.000000000	0.00000000
790	-0.50000000	-0.500000000	0.00000000
791	-0.40000000	-0.100000000	0.30000000
792	-0.80000000	-0.050000000	0.00000000
793	-0.30000000	-0.150000000	0.00000000
794	-1.00000000	-0.050000000	0.66666667
795	0.00000000	0.000000000	0.00000000
796	-0.30000000	-0.100000000	0.37500000
797	-0.18750000	-0.125000000	0.00000000
798	-0.40000000	-0.071428571	0.45454545
799	-0.25000000	-0.100000000	0.00000000
800	-0.40000000	-0.300000000	0.77500000
801	-0.80000000	-0.155555556	0.83333333
802	-0.18750000	-0.166666667	0.31071429
803	-1.00000000	-0.125000000	0.37500000

804	-0.60000000	-0.050000000	0.00000000
805	-0.70000000	-0.100000000	0.50000000
806	-0.40000000	-0.071428571	0.16666667
807	-0.25000000	-0.250000000	0.50000000
808	-0.25000000	-0.250000000	0.00000000
809	-0.60000000	-0.100000000	1.00000000
810	-0.50000000	-0.125000000	0.00000000
811	-0.12500000	-0.100000000	0.25000000
812	-0.60000000	-0.071428571	0.55000000
813	-0.60000000	-0.050000000	0.77000000
814	-0.80000000	-0.100000000	0.50000000
815	-0.25000000	-0.166666667	0.00000000
816	-0.25000000	-0.200000000	0.30000000
817	-0.30000000	-0.300000000	0.00000000
818	-0.50000000	-0.133333333	0.54375000
819	-0.40000000	-0.400000000	0.00000000
820	-0.50000000	-0.316666667	0.00000000
821	-0.33333333	-0.071428571	0.30000000
822	-1.00000000	-0.155555556	0.00000000
823	-0.60000000	-0.100000000	0.54000000
824	-0.40000000	-0.300000000	0.40000000
825	-0.60000000	-0.150000000	1.00000000
826	-0.40000000	-0.025000000	0.50000000
827	-0.62500000	-0.083333333	0.68888889
828	-0.70000000	-0.100000000	0.00000000
829	-0.50000000	-0.071428571	0.00000000
830	-0.70000000	-0.050000000	0.00000000
831	-0.12500000	-0.125000000	0.15000000
832	0.00000000	0.000000000	0.00000000
833	-0.66666667	-0.025000000	0.38333333
834	-1.00000000	-0.050000000	0.30000000
835	-0.40000000	-0.125000000	0.30000000
836	-0.70000000	-0.155555556	0.33333333
837	-0.20000000	-0.200000000	0.40000000
838	-0.40000000	-0.100000000	0.76666667
839	-0.50000000	-0.071428571	0.50000000
840	-0.40000000	-0.071428571	0.00000000
841	-0.18750000	-0.100000000	0.00000000
842	-0.60000000	-0.100000000	0.75000000
843	-0.60000000	-0.500000000	0.30000000
844	-0.70000000	-0.071428571	0.00000000
845	-0.40000000	-0.200000000	0.50000000
846	-0.80000000	-0.150000000	0.66666667
847	-0.40000000	-0.400000000	0.00000000
848	0.00000000	0.000000000	0.00000000
849	-0.50000000	-0.155555556	0.00000000
850	-0.50000000	-0.050000000	0.30000000
851	-0.16666667	-0.100000000	1.00000000
852	-0.60000000	-0.100000000	0.80000000
853	-1.00000000	-0.050000000	0.30000000
854	-1.00000000	-0.050000000	0.00000000
855	-0.25000000	-0.250000000	0.40000000
856	-0.40000000	-0.125000000	0.00000000
857	0.00000000	0.000000000	0.00000000

858	-0.60000000	-0.100000000	0.45454545
859	0.00000000	0.000000000	0.00000000
860	-0.70000000	-0.125000000	0.54000000
861	-0.20000000	-0.200000000	0.50000000
862	-0.07142857	-0.071428571	0.45454545
863	-0.50000000	-0.125000000	0.00000000
864	-0.80000000	-0.100000000	0.00000000
865	-0.25000000	-0.066666667	0.00000000
866	-0.30000000	-0.100000000	0.00000000
867	0.00000000	0.000000000	0.37500000
868	-0.20000000	-0.200000000	0.00000000
869	-0.50000000	-0.125000000	0.56428571
870	-0.30000000	-0.250000000	0.00000000
871	-0.40000000	-0.100000000	0.00000000
872	-0.30000000	-0.100000000	0.87500000
873	-0.40000000	-0.071428571	0.00000000
874	-0.80000000	-0.155555556	0.50000000
875	-0.40000000	-0.050000000	0.00000000
876	-0.70000000	-0.155555556	0.50000000
877	-1.00000000	-0.100000000	0.30000000
878	-0.60000000	-0.100000000	0.00000000
879	-0.70000000	-0.300000000	1.00000000
880	0.00000000	0.000000000	0.00000000
881	-0.18750000	-0.071428571	0.62500000
882	-0.20000000	-0.200000000	0.00000000
883	-0.50000000	-0.050000000	1.00000000
884	0.00000000	0.000000000	0.00000000
885	-0.16666667	-0.125000000	0.16666667
886	-1.00000000	-0.600000000	0.50000000
887	-0.50000000	-0.125000000	0.60000000
888	-0.50000000	-0.050000000	0.55000000
889	-0.66666667	-0.400000000	0.00000000
890	-0.30000000	-0.100000000	0.00000000
891	-0.50000000	-0.100000000	0.00000000
892	-1.00000000	-0.050000000	0.00000000
893	-0.80000000	-0.050000000	0.70000000
894	0.00000000	0.000000000	0.55000000
895	-1.00000000	-0.071428571	0.41666667
896	-0.40000000	-0.125000000	0.40000000
897	-0.12500000	-0.100000000	1.00000000
898	-0.40000000	-0.125000000	0.64285714
899	-0.40000000	-0.400000000	0.48333333
900	-0.50000000	-0.071428571	0.54000000
901	-0.75000000	-0.100000000	0.00000000
902	-0.40000000	-0.100000000	0.00000000
903	-0.40000000	-0.125000000	0.00000000
904	-0.40000000	-0.050000000	0.15000000
905	-0.16666667	-0.100000000	0.00000000
906	-0.50000000	-0.125000000	0.37500000
907	-0.50000000	-0.100000000	0.45454545
908	-0.70000000	-0.100000000	0.00000000
909	0.00000000	0.000000000	0.45000000
910	-1.00000000	-0.100000000	0.52000000
911	-0.20000000	-0.100000000	0.65000000

912	-0.62500000	-0.050000000	0.45454545
913	-0.60000000	-0.100000000	0.60000000
914	-0.66666667	-0.050000000	0.54166667
915	-0.50000000	-0.125000000	0.00000000
916	-0.50000000	-0.071428571	0.75000000
917	-0.30000000	-0.100000000	0.50000000
918	0.00000000	0.000000000	0.00000000
919	-0.50000000	-0.100000000	0.40000000
920	-0.80000000	-0.100000000	0.00000000
921	0.00000000	0.000000000	0.37500000
922	-0.50000000	-0.125000000	0.00000000
923	-0.50000000	-0.125000000	0.00000000
924	-0.50000000	-0.050000000	0.00000000
925	-0.50000000	-0.071428571	0.00000000
926	-1.00000000	-0.050000000	0.00000000
927	-0.20000000	-0.050000000	0.00000000
928	-0.50000000	-0.125000000	0.00000000
929	-0.29166667	-0.050000000	0.66666667
930	-0.33333333	-0.187500000	0.65000000
931	-1.00000000	-0.400000000	0.00000000
932	-0.30000000	-0.083333333	0.40000000
933	-0.05000000	-0.050000000	0.50000000
934	-0.50000000	-0.050000000	0.00000000
935	-0.50000000	-0.075000000	0.00000000
936	0.00000000	0.000000000	0.00000000
937	-0.18750000	-0.100000000	0.64444444
938	-0.60000000	-0.050000000	0.62500000
939	-0.60000000	-0.050000000	0.45454545
940	-0.60000000	-0.012500000	0.50000000
941	-0.40000000	-0.100000000	0.14444444
942	-0.15000000	-0.025000000	0.10000000
943	-1.00000000	-1.000000000	0.27727273
944	-0.40000000	-0.400000000	0.00000000
945	-0.60000000	-0.050000000	0.20000000
946	-0.16666667	-0.166666667	0.64285714
947	-0.60000000	-0.133333333	0.40000000
948	-0.30000000	-0.100000000	0.55227273
949	-0.30000000	-0.125000000	1.00000000
950	-0.50000000	-0.083333333	0.00000000
951	-0.40000000	-0.312500000	0.00000000
952	-0.62500000	-0.250000000	0.00000000
953	-0.30000000	-0.300000000	0.18888889
954	-0.31250000	-0.125000000	0.03333333
955	-0.50000000	-0.166666667	0.73333333
956	-0.70000000	-0.700000000	0.50000000
957	-1.00000000	-0.100000000	0.08333333
958	-0.50000000	-0.100000000	0.00000000
959	-0.80000000	-0.050000000	0.00000000
960	-0.40000000	-0.400000000	0.10000000
961	0.00000000	0.000000000	0.00000000
962	-1.00000000	-0.100000000	0.00000000
963	-0.40000000	-0.155555556	0.00000000
964	-1.00000000	-0.100000000	0.33333333
965	-0.50000000	-0.100000000	0.40000000

966	-0.66666667	-0.050000000	0.00000000
967	-0.87500000	-0.050000000	0.12500000
968	-0.50000000	-0.066666667	0.30000000
969	-0.25000000	-0.125000000	0.45454545
970	-0.12500000	-0.125000000	0.50000000
971	-0.90000000	-0.075000000	0.10000000
972	-0.50000000	-0.100000000	0.64285714
973	-0.50000000	-0.025000000	0.40000000
974	-0.60000000	-0.050000000	0.00000000
975	-0.40000000	-0.071428571	0.45454545
976	-0.16666667	-0.125000000	0.06666667
977	-0.20000000	-0.200000000	0.40000000
978	-1.00000000	-0.100000000	0.65000000
979	-0.25000000	-0.100000000	0.37500000
980	-0.50000000	-0.050000000	0.00000000
981	-0.80000000	-0.155555556	0.00000000
982	-0.20000000	-0.200000000	0.02222222
983	-0.30000000	-0.125000000	0.47500000
984	-0.70000000	-0.125000000	0.00000000
985	-0.30000000	-0.150000000	0.00000000
986	-0.38888889	-0.388888889	1.00000000
987	-0.40000000	-0.050000000	1.00000000
988	-0.80000000	-0.125000000	0.00000000
989	-1.00000000	-0.050000000	0.00000000
990	-0.25000000	-0.025000000	0.21250000
991	-0.50000000	-0.250000000	0.00000000
992	-0.50000000	-0.166666667	0.28888889
993	-0.29166667	-0.050000000	0.00000000
994	-0.30000000	-0.155555556	0.28888889
995	-0.20000000	-0.100000000	0.00000000
996	-0.50000000	-0.125000000	0.00000000
997	-0.31250000	-0.100000000	0.06666667
998	-0.62500000	-0.071428571	0.25000000
999	-0.25000000	-0.100000000	0.00000000
1000	-0.50000000	-0.166666667	0.00000000
1001	0.00000000	0.000000000	0.00000000
1002	-0.25000000	-0.008333333	0.00000000
1003	-0.50000000	-0.071428571	0.00000000
1004	-0.60000000	-0.125000000	0.66666667
1005	-0.33333333	-0.166666667	0.00000000
1006	-0.62500000	-0.050000000	0.00000000
1007	-0.70000000	-0.155555556	0.57142857
1008	-0.12500000	-0.125000000	0.30000000
1009	-0.05000000	-0.050000000	0.50000000
1010	-0.60000000	-0.100000000	0.20000000
1011	-0.10000000	-0.100000000	0.80000000
1012	-1.00000000	-0.050000000	0.68333333
1013	-0.25000000	-0.250000000	0.25000000
1014	-0.50000000	-0.300000000	0.00000000
1015	-0.20000000	-0.200000000	0.00000000
1016	-0.50000000	-0.125000000	0.00000000
1017	-0.40000000	-0.071428571	0.33333333
1018	-0.13333333	-0.100000000	0.31666667
1019	-0.50000000	-0.050000000	0.08333333

1020	-0.70000000	-0.100000000	0.00000000
1021	-0.50000000	-0.050000000	0.00000000
1022	-0.50000000	-0.150000000	0.65000000
1023	-0.40000000	-0.050000000	0.00000000
1024	-0.80000000	-0.100000000	0.00000000
1025	-0.60000000	-0.050000000	0.00000000
1026	-0.40000000	-0.166666667	0.43333333
1027	-0.60000000	-0.166666667	0.00000000
1028	-0.25000000	-0.100000000	0.00000000
1029	-0.50000000	-0.125000000	0.20000000
1030	-0.80000000	-0.666666667	0.83333333
1031	-1.00000000	-0.025000000	0.50833333
1032	-0.60000000	-0.050000000	0.66666667
1033	-0.16666667	-0.125000000	0.71428571
1034	-0.30000000	-0.100000000	0.00000000
1035	-0.60000000	-0.050000000	0.00000000
1036	-1.00000000	-0.100000000	0.00000000
1037	-0.60000000	-0.076923077	0.25000000
1038	-0.25000000	-0.100000000	0.50000000
1039	-0.25000000	-0.155555556	0.00000000
1040	-1.00000000	-0.100000000	0.00000000
1041	-0.16666667	-0.125000000	0.00000000
1042	-0.50000000	-0.050000000	0.90000000
1043	-0.80000000	-0.155555556	0.00000000
1044	-0.40000000	-0.100000000	0.75000000
1045	-0.80000000	-0.125000000	0.60000000
1046	-0.60000000	-0.071428571	0.26060606
1047	-1.00000000	-0.100000000	0.00000000
1048	-0.50000000	-0.050000000	0.00000000
1049	-1.00000000	-0.025000000	0.00000000
1050	-0.50000000	-0.100000000	1.00000000
1051	-0.60000000	-0.008333333	0.33333333
1052	-0.50000000	-0.100000000	0.50000000
1053	-0.60000000	-0.050000000	0.60000000
1054	-0.60000000	-0.125000000	0.50000000
1055	-0.13333333	-0.100000000	0.00000000
1056	-0.50000000	-0.050000000	0.00000000
1057	-0.40000000	-0.050000000	1.00000000
1058	-0.40000000	-0.400000000	0.50000000
1059	-0.70000000	-0.050000000	1.00000000
1060	-0.50000000	-0.100000000	0.00000000
1061	-0.60000000	-0.050000000	1.00000000
1062	-0.87500000	-0.050000000	0.00000000
1063	0.00000000	0.000000000	0.00000000
1064	-0.16666667	-0.150000000	0.16666667
1065	-0.40000000	-0.100000000	0.66666667
1066	-0.60000000	-0.100000000	0.70000000
1067	0.00000000	0.000000000	0.37500000
1068	-1.00000000	-0.050000000	0.00000000
1069	-0.60000000	-0.050000000	0.00000000
1070	-0.50000000	-0.125000000	0.00000000
1071	-0.30000000	-0.050000000	1.00000000
1072	-0.50000000	-0.100000000	0.00000000
1073	-1.00000000	-0.100000000	0.00000000

1074	-0.12500000	-0.125000000	0.00000000
1075	-0.50000000	-0.155555556	0.00000000
1076	-1.00000000	-0.050000000	0.00000000
1077	-0.50000000	-0.071428571	0.06666667
1078	-0.12500000	-0.071428571	0.70000000
1079	-0.16666667	-0.100000000	0.00000000
1080	-0.40000000	-0.187500000	0.00000000
1081	0.00000000	0.000000000	0.33333333
1082	-1.00000000	-0.100000000	1.00000000
1083	-0.16666667	-0.050000000	0.50000000
1084	-0.16666667	-0.050000000	0.20000000
1085	-1.00000000	-0.050000000	0.00000000
1086	-0.40000000	-0.400000000	1.00000000
1087	-0.40000000	-0.100000000	0.75000000
1088	-0.70000000	-0.050000000	0.00000000
1089	-0.80000000	-0.125000000	0.30000000
1090	-0.20000000	-0.071428571	0.25000000
1091	-0.75000000	-0.050000000	0.00000000
1092	-0.16666667	-0.166666667	0.50000000
1093	-0.50000000	-0.071428571	0.00000000
1094	0.00000000	0.000000000	0.00000000
1095	-0.50000000	-0.125000000	0.10000000
1096	-0.38888889	-0.125000000	1.00000000
1097	-0.33333333	-0.333333333	0.00000000
1098	-0.50000000	-0.300000000	0.73333333
1099	-0.66666667	-0.050000000	0.00000000
1100	-0.60000000	-0.033333333	0.00000000
1101	-0.50000000	-0.125000000	0.83333333
1102	-0.50000000	-0.050000000	0.00000000
1103	-0.50000000	-0.050000000	0.90000000
1104	-0.50000000	-0.050000000	0.45454545
1105	-0.60000000	-0.100000000	0.30000000
1106	-0.60000000	-0.050000000	0.00000000
1107	-0.80000000	-0.100000000	0.00000000
1108	-0.16666667	-0.125000000	0.00000000
1109	-0.90000000	-0.125000000	0.00000000
1110	-0.80000000	-0.125000000	0.00000000
1111	-0.80000000	-0.125000000	0.00000000
1112	-0.30000000	-0.071428571	0.75000000
1113	-1.00000000	-0.125000000	0.00000000
1114	-0.40000000	-0.166666667	0.00000000
1115	-1.00000000	-0.125000000	0.00000000
1116	-0.50000000	-0.050000000	0.00000000
1117	-0.40000000	-0.125000000	0.00000000
1118	-0.60000000	-0.125000000	0.70000000
1119	-1.00000000	-0.100000000	0.00000000
1120	-1.00000000	-0.050000000	1.00000000
1121	-0.70000000	-0.100000000	0.50000000
1122	0.00000000	0.000000000	0.06666667
1123	-0.50000000	-0.125000000	0.00000000
1124	-0.70000000	-0.125000000	0.30000000
1125	-0.60000000	-0.100000000	0.30000000
1126	-0.60000000	-0.100000000	0.00000000
1127	-0.40000000	-0.166666667	0.22222222

1128	0.00000000	0.000000000	0.00000000
1129	-0.30000000	-0.125000000	0.00000000
1130	-0.50000000	-0.066666667	0.00000000
1131	-0.62500000	-0.100000000	0.00000000
1132	-1.00000000	-0.050000000	0.40000000
1133	-0.20000000	-0.050000000	0.00000000
1134	-0.70000000	-0.050000000	0.25000000
1135	-0.50000000	-0.050000000	0.50000000
1136	-0.60000000	-0.187500000	1.00000000
1137	-1.00000000	-0.125000000	0.00000000
1138	-0.18750000	-0.100000000	0.33333333
1139	-0.90000000	-0.012500000	0.00000000
1140	-0.40000000	-0.166666667	0.54870130
1141	-0.16666667	-0.166666667	0.00000000
1142	-0.70000000	-0.200000000	0.66666667
1143	-0.10000000	-0.100000000	0.85000000
1144	-0.40000000	-0.025000000	0.43333333
1145	-0.80000000	-0.050000000	0.80000000
1146	-1.00000000	-0.050000000	0.75000000
1147	-1.00000000	-0.125000000	0.88888889
1148	-0.70000000	-0.166666667	0.00000000
1149	0.00000000	0.000000000	0.08333333
1150	-0.29166667	-0.050000000	0.00000000
1151	-0.50000000	-0.500000000	0.00000000
1152	-0.20000000	-0.200000000	0.00000000
1153	-0.40000000	-0.166666667	0.00000000
1154	-0.50000000	-0.050000000	0.50000000
1155	-0.15555556	-0.100000000	0.00000000
1156	-0.20000000	-0.100000000	0.00000000
1157	-0.33333333	-0.100000000	0.00000000
1158	-0.40000000	-0.071428571	0.85000000
1159	-0.80000000	-0.050000000	0.00000000
1160	-0.70000000	-0.100000000	0.43333333
1161	-0.40000000	-0.100000000	0.50000000
1162	-0.50000000	-0.250000000	0.00000000
1163	-0.50000000	-0.100000000	0.43666667
1164	-0.60000000	-0.187500000	0.30000000
1165	-0.16666667	-0.166666667	0.50000000
1166	-0.50000000	-0.500000000	0.00000000
1167	-0.40000000	-0.125000000	0.40000000
1168	-0.25000000	-0.125000000	0.00000000
1169	-0.16666667	-0.100000000	0.00000000
1170	-0.70000000	-0.100000000	0.00000000
1171	-1.00000000	-0.071428571	0.00000000
1172	-0.20000000	-0.100000000	0.20000000
1173	-0.50000000	-0.050000000	0.00000000
1174	-0.20000000	-0.100000000	0.45000000
1175	-0.25000000	-0.125000000	1.00000000
1176	-1.00000000	-0.125000000	0.00000000
1177	-0.80000000	-0.800000000	0.55000000
1178	-0.40000000	-0.125000000	0.40000000
1179	-0.40000000	-0.125000000	0.50000000
1180	-0.40000000	-0.050000000	0.12500000
1181	-0.25000000	-0.125000000	0.00000000

1182	-0.80000000	-0.050000000	0.50000000
1183	-0.66666667	-0.076923077	0.00000000
1184	-0.50000000	-0.125000000	1.00000000
1185	-0.16666667	-0.166666667	0.00000000
1186	-0.40000000	-0.100000000	0.40000000
1187	-0.50000000	-0.155555556	0.28888889
1188	-0.80000000	-0.100000000	0.00000000
1189	0.00000000	0.000000000	0.10000000
1190	-0.50000000	-0.250000000	0.00000000
1191	-0.50000000	-0.133333333	0.33333333
1192	-0.20000000	-0.050000000	0.10000000
1193	-0.30000000	-0.025000000	0.45454545
1194	-0.60000000	-0.050000000	0.00000000
1195	-0.50000000	-0.050000000	0.14444444
1196	-0.30000000	-0.300000000	0.00000000
1197	-0.16666667	-0.050000000	0.00000000
1198	-0.30000000	-0.200000000	0.00000000
1199	-0.31250000	-0.125000000	0.06666667
1200	-0.71428571	-0.050000000	1.00000000
1201	-0.80000000	-0.100000000	0.33333333
1202	-0.60000000	-0.100000000	0.90000000
1203	-0.29166667	-0.250000000	0.83333333
1204	-0.13333333	-0.125000000	0.10000000
1205	-0.14285714	-0.050000000	0.20000000
1206	-0.30000000	-0.166666667	0.45454545
1207	-0.40000000	-0.125000000	0.65000000
1208	-0.80000000	-0.050000000	0.83333333
1209	0.00000000	0.000000000	0.37500000
1210	-0.25000000	-0.071428571	0.00000000
1211	-0.56666667	-0.200000000	0.00000000
1212	-0.50000000	-0.050000000	0.00000000
1213	-0.40000000	-0.125000000	0.45454545
1214	-1.00000000	-0.050000000	0.90000000
1215	-0.40000000	-0.100000000	0.23333333
1216	-0.70000000	-0.100000000	0.00000000
1217	-1.00000000	-0.050000000	0.00000000
1218	-0.70000000	-0.050000000	0.00000000
1219	-0.70000000	-0.125000000	0.00000000
1220	-1.00000000	-0.100000000	0.00000000
1221	0.00000000	0.000000000	0.00000000
1222	-0.70000000	-0.125000000	0.30000000
1223	-0.60000000	-0.600000000	0.00000000
1224	-0.80000000	-0.050000000	0.85000000
1225	-0.40000000	-0.025000000	0.77777778
1226	0.00000000	0.000000000	0.00000000
1227	-1.00000000	-0.050000000	0.66666667
1228	-0.62500000	-0.071428571	0.50000000
1229	-0.16666667	-0.125000000	0.06666667
1230	-0.70000000	-0.155555556	0.83333333
1231	-1.00000000	-1.000000000	0.00000000
1232	-0.40000000	-0.400000000	0.33333333
1233	-0.40000000	-0.071428571	0.50000000
1234	0.00000000	0.000000000	0.00000000
1235	-0.16666667	-0.071428571	0.80000000

1236	-0.30000000	-0.050000000	0.00000000
1237	-0.40000000	-0.100000000	0.00000000
1238	-0.40000000	-0.400000000	0.00000000
1239	-1.00000000	-0.050000000	0.00000000
1240	-1.00000000	-0.050000000	0.00000000
1241	0.00000000	0.000000000	0.30000000
1242	0.00000000	0.000000000	0.00000000
1243	-0.60000000	-0.187500000	0.10000000
1244	-0.75000000	-0.750000000	0.66666667
1245	-0.60000000	-0.050000000	0.57000000
1246	-0.62500000	-0.050000000	0.30000000
1247	-0.50000000	-0.100000000	0.00000000
1248	-0.40000000	-0.125000000	0.52222222
1249	-1.00000000	-0.200000000	0.00000000
1250	-0.16666667	-0.166666667	0.45454545
1251	-0.60000000	-0.155555556	0.30000000
1252	-0.50000000	-0.100000000	0.00000000
1253	-0.30000000	-0.050000000	0.20000000
1254	-0.40000000	-0.100000000	0.00000000
1255	-0.30000000	-0.100000000	0.05000000
1256	-0.15555556	-0.100000000	0.00000000
1257	-0.31250000	-0.100000000	0.20000000
1258	0.00000000	0.000000000	0.37500000
1259	-0.50000000	-0.500000000	0.00000000
1260	-1.00000000	-0.050000000	0.34444444
1261	-0.80000000	-0.155555556	0.00000000
1262	-0.50000000	-0.050000000	0.60000000
1263	-1.00000000	-0.071428571	0.00000000
1264	-0.30000000	-0.125000000	0.52142857
1265	-0.66666667	-0.166666667	0.45000000
1266	-0.10000000	-0.071428571	0.22222222
1267	-0.20000000	-0.125000000	0.00000000
1268	-0.16666667	-0.166666667	1.00000000
1269	0.00000000	0.000000000	0.20000000
1270	-1.00000000	-0.050000000	0.00000000
1271	-0.80000000	-0.800000000	0.81250000
1272	0.00000000	0.000000000	0.00000000
1273	-0.13333333	-0.125000000	0.00000000
1274	-0.25000000	-0.071428571	0.75000000
1275	-0.20000000	-0.100000000	0.54000000
1276	-0.25000000	-0.155555556	0.33333333
1277	-0.60000000	-0.050000000	0.90000000
1278	-0.80000000	-0.076923077	0.20000000
1279	-0.29166667	-0.291666667	0.00000000
1280	-0.40000000	-0.050000000	0.00000000
1281	-0.15555556	-0.025000000	0.60000000
1282	-0.40000000	-0.166666667	1.00000000
1283	-0.30000000	-0.125000000	0.00000000
1284	-0.50000000	-0.155555556	0.00000000
1285	-0.80000000	-0.050000000	0.00000000
1286	-0.16666667	-0.050000000	0.65000000
1287	-0.50000000	-0.050000000	0.00000000
1288	-0.80000000	-0.125000000	1.00000000
1289	-0.70000000	-0.100000000	0.40000000

1290	-0.40000000	-0.071428571	0.50000000
1291	-0.60000000	-0.100000000	0.00000000
1292	-0.07142857	-0.071428571	0.75000000
1293	-0.90000000	-0.125000000	0.00000000
1294	-0.80000000	-0.050000000	0.00000000
1295	-0.60000000	-0.050000000	0.70000000
1296	-0.60000000	-0.100000000	0.20000000
1297	-0.80000000	-0.166666667	0.45454545
1298	-0.30000000	-0.125000000	0.45454545
1299	-0.30000000	-0.125000000	0.00000000
1300	-0.40000000	-0.050000000	0.10000000
1301	-0.40000000	-0.050000000	0.45454545
1302	-0.50000000	-0.125000000	0.72727273
1303	-0.30000000	-0.300000000	0.28333333
1304	-1.00000000	-0.166666667	0.10000000
1305	-0.20000000	-0.125000000	0.37500000
1306	-0.66666667	-0.050000000	1.00000000
1307	-0.40000000	-0.125000000	0.00000000
1308	-0.29166667	-0.291666667	0.50000000
1309	0.00000000	0.000000000	0.62727273
1310	-0.25000000	-0.250000000	0.00000000
1311	-0.30000000	-0.300000000	0.40000000
1312	-0.12500000	-0.125000000	0.50000000
1313	0.00000000	0.000000000	0.28333333
1314	-0.60000000	-0.125000000	0.00000000
1315	-0.60000000	-0.071428571	0.00000000
1316	-0.40000000	-0.050000000	0.00000000
1317	-0.16666667	-0.025000000	0.37727273
1318	-0.50000000	-0.150000000	0.94444444
1319	-0.50000000	-0.155555556	0.00000000
1320	-0.25000000	-0.133333333	0.06666667
1321	-0.30000000	-0.050000000	0.00000000
1322	-0.66666667	-0.100000000	0.40000000
1323	-0.31250000	-0.125000000	0.28888889
1324	-0.23076923	-0.125000000	0.85000000
1325	-0.40000000	-0.400000000	0.30000000
1326	-1.00000000	-0.125000000	0.00000000
1327	-0.25000000	-0.071428571	0.10000000
1328	-0.25000000	-0.050000000	0.00000000
1329	-0.18750000	-0.187500000	0.37500000
1330	-0.29166667	-0.200000000	0.23333333
1331	-0.20000000	-0.166666667	0.00000000
1332	-0.50000000	-0.333333333	0.00000000
1333	-0.50000000	-0.050000000	1.00000000
1334	-0.40000000	-0.100000000	0.43333333
1335	-0.50000000	-0.100000000	0.00000000
1336	-0.66666667	-0.071428571	0.33333333
1337	0.00000000	0.000000000	0.50000000
1338	-0.25000000	-0.125000000	0.50000000
1339	-0.40000000	-0.071428571	0.95000000
1340	-0.07142857	-0.050000000	0.00000000
1341	0.00000000	0.000000000	0.00000000
1342	0.00000000	0.000000000	0.00000000
1343	-0.12500000	-0.125000000	0.00000000

1344	-0.60000000	-0.050000000	0.00000000
1345	-0.80000000	-0.050000000	0.66666667
1346	-0.29166667	-0.100000000	0.00000000
1347	-0.80000000	-0.050000000	0.00000000
1348	-0.62500000	-0.100000000	0.21428571
1349	-0.10000000	-0.100000000	0.06666667
1350	-1.00000000	-0.050000000	0.68888889
1351	-1.00000000	-0.075000000	0.00000000
1352	0.00000000	0.000000000	0.00000000
1353	0.00000000	0.000000000	0.00000000
1354	-0.60000000	-0.050000000	0.00000000
1355	-0.40000000	-0.125000000	0.70833333
1356	-0.30000000	-0.300000000	0.00000000
1357	-0.15555556	-0.155555556	0.00000000
1358	-0.50000000	-0.125000000	0.10000000
1359	-0.50000000	-0.050000000	0.00000000
1360	-0.50000000	-0.050000000	0.00000000
1361	-0.25000000	-0.083333333	0.00000000
1362	-0.70000000	-0.100000000	0.00000000
1363	-0.16666667	-0.133333333	0.33333333
1364	-0.50000000	-0.050000000	0.40000000
1365	-0.25000000	-0.100000000	0.00000000
1366	-0.80000000	-0.050000000	0.00000000
1367	-0.29166667	-0.155555556	0.00000000
1368	-0.29166667	-0.071428571	0.10000000
1369	-1.00000000	-0.150000000	0.20000000
1370	-0.16666667	-0.100000000	0.00000000
1371	-1.00000000	-0.100000000	0.00000000
1372	-0.60000000	-0.400000000	0.40000000
1373	-0.40000000	-0.050000000	0.00000000
1374	-0.87500000	-0.083333333	0.83333333
1375	-0.50000000	-0.100000000	0.10000000
1376	-0.40000000	-0.025000000	0.38333333
1377	-0.80000000	-0.050000000	0.73333333
1378	-0.60000000	-0.125000000	0.10000000
1379	-0.20000000	-0.125000000	0.50000000
1380	-0.70000000	-0.050000000	0.00000000
1381	-0.50000000	-0.071428571	1.00000000
1382	-0.50000000	-0.166666667	0.90000000
1383	-0.30000000	-0.050000000	0.22916667
1384	-0.18750000	-0.125000000	0.00000000
1385	-0.60000000	-0.050000000	0.30000000
1386	-0.50000000	-0.008333333	0.05000000
1387	-0.16666667	-0.025000000	0.00000000
1388	-0.20000000	-0.125000000	0.00000000
1389	-1.00000000	-0.050000000	0.00000000
1390	-0.60000000	-0.125000000	0.66666667
1391	-0.50000000	-0.125000000	0.00000000
1392	-0.62500000	-0.300000000	0.45000000
1393	-0.60000000	-0.125000000	1.00000000
1394	-0.80000000	-0.050000000	0.72727273
1395	-0.40000000	-0.400000000	0.00000000
1396	0.00000000	0.000000000	0.00000000
1397	-0.05000000	-0.050000000	0.00000000

1398	0.00000000	0.000000000	0.66666667
1399	-0.60000000	-0.125000000	0.00000000
1400	0.00000000	0.000000000	0.40000000
1401	-0.50000000	-0.100000000	0.00000000
1402	-0.60000000	-0.100000000	0.16666667
1403	-0.40000000	-0.100000000	0.66666667
1404	-0.20000000	-0.200000000	0.36666667
1405	-0.30000000	-0.100000000	0.00000000
1406	-0.80000000	-0.050000000	0.89583333
1407	0.00000000	0.000000000	0.00000000
1408	-0.31250000	-0.100000000	0.83333333
1409	-0.70000000	-0.071428571	0.00000000
1410	-1.00000000	-0.050000000	1.00000000
1411	-0.40000000	-0.400000000	0.00000000
1412	-1.00000000	-0.033333333	0.83333333
1413	-0.60000000	-0.600000000	0.30000000
1414	-0.50000000	-0.200000000	0.75000000
1415	-0.40000000	-0.125000000	0.00000000
1416	-0.20000000	-0.100000000	0.00000000
1417	-0.40000000	-0.125000000	0.00000000
1418	-0.50000000	-0.100000000	0.00000000
1419	-0.50000000	-0.071428571	0.66666667
1420	-0.50000000	-0.166666667	1.00000000
1421	-0.50000000	-0.200000000	1.00000000
1422	-0.70000000	-0.125000000	0.00000000
1423	-0.40000000	-0.025000000	0.22727273
1424	-0.18750000	-0.166666667	0.50000000
1425	-0.50000000	-0.100000000	0.30000000
1426	-0.20000000	-0.200000000	0.00000000
1427	-0.30000000	-0.166666667	0.37500000
1428	-1.00000000	-0.050000000	0.90000000
1429	-1.00000000	-0.100000000	0.30000000
1430	-0.40000000	-0.300000000	0.33333333
1431	-0.50000000	-0.100000000	0.00000000
1432	-0.50000000	-0.050000000	0.50000000
1433	-0.40000000	-0.125000000	0.00000000
1434	-0.50000000	-0.300000000	0.33333333
1435	-0.80000000	-0.125000000	1.00000000
1436	-0.29166667	-0.291666667	0.75000000
1437	-0.12500000	-0.100000000	0.00000000
1438	-0.50000000	-0.200000000	0.00000000
1439	-1.00000000	-0.100000000	0.00000000
1440	-0.66666667	-0.071428571	0.00000000
1441	-0.25000000	-0.250000000	0.37500000
1442	-0.70000000	-0.100000000	0.50000000
1443	-0.20000000	-0.125000000	0.50000000
1444	-0.60000000	-0.155555556	0.00000000
1445	-0.50000000	-0.333333333	0.65000000
1446	-0.25000000	-0.250000000	0.28333333
1447	-0.40000000	-0.071428571	0.00000000
1448	-0.33333333	-0.100000000	0.33333333
1449	-0.20000000	-0.100000000	1.00000000
1450	0.00000000	0.000000000	0.00000000
1451	-0.30000000	-0.100000000	0.00000000

1452	-0.60000000	-0.050000000	1.00000000
1453	-0.80000000	-0.050000000	0.00000000
1454	-1.00000000	-0.050000000	0.20000000
1455	0.00000000	0.000000000	0.43333333
1456	-0.40000000	-0.071428571	0.75000000
1457	-0.60000000	-0.100000000	0.70000000
1458	-0.12500000	-0.125000000	0.00000000
1459	-0.20000000	-0.125000000	0.22727273
1460	-0.38888889	-0.050000000	0.00000000
1461	-0.60000000	-0.050000000	0.83333333
1462	-0.60000000	-0.100000000	0.00000000
1463	-0.16666667	-0.166666667	0.00000000
1464	-0.40000000	-0.100000000	0.66666667
1465	-0.75000000	-0.071428571	0.00000000
1466	-0.50000000	-0.125000000	0.72222222
1467	-0.20000000	-0.125000000	1.00000000
1468	-0.70000000	-0.100000000	0.66666667
1469	-0.40000000	-0.150000000	0.48333333
1470	-0.40000000	-0.050000000	0.66666667
1471	-0.80000000	-0.250000000	0.00000000
1472	-0.80000000	-0.150000000	0.00000000
1473	0.00000000	0.000000000	0.00000000
1474	-0.50000000	-0.100000000	0.00000000
1475	-0.80000000	-0.125000000	0.70000000
1476	-1.00000000	-0.071428571	0.00000000
1477	-0.66666667	-0.200000000	0.12500000
1478	-0.12500000	-0.083333333	0.00000000
1479	-0.50000000	-0.125000000	0.33333333
1480	-0.25000000	-0.250000000	0.50000000
1481	-0.80000000	-0.155555556	0.00000000
1482	-0.25000000	-0.075000000	0.00000000
1483	-0.31250000	-0.312500000	0.12500000
1484	-0.70000000	-0.125000000	0.20000000
1485	-1.00000000	-0.050000000	0.36666667
1486	0.00000000	0.000000000	0.00000000
1487	0.00000000	0.000000000	0.70833333
1488	-0.50000000	-0.125000000	0.50000000
1489	-0.60000000	-0.050000000	0.00000000
1490	-0.70000000	-0.050000000	0.00000000
1491	-0.75000000	-0.125000000	0.33333333
1492	-0.50000000	-0.166666667	0.66666667
1493	-0.50000000	-0.125000000	0.12500000
1494	-0.30000000	-0.125000000	0.66666667
1495	-0.80000000	-0.071428571	0.48333333
1496	-0.66666667	-0.050000000	0.00000000
1497	-0.25000000	-0.071428571	0.50000000
1498	-0.60000000	-0.050000000	0.50000000
1499	-0.15555556	-0.025000000	0.00000000
1500	-0.50000000	-0.071428571	0.30000000
1501	-0.60000000	-0.600000000	0.00000000
1502	-0.31666667	-0.125000000	0.00000000
1503	-0.18750000	-0.125000000	0.58333333
1504	-0.80000000	-0.050000000	0.20000000
1505	-0.40000000	-0.155555556	0.45000000

1506	-0.70000000	-0.050000000	0.00000000
1507	-0.70000000	-0.200000000	0.25000000
1508	-0.29166667	-0.100000000	0.62500000
1509	0.00000000	0.000000000	0.12500000
1510	-0.20000000	-0.187500000	0.00000000
1511	-0.40000000	-0.125000000	0.63333333
1512	-0.30000000	-0.125000000	0.00000000
1513	-0.20000000	-0.166666667	0.00000000
1514	-0.60000000	-0.200000000	1.00000000
1515	-0.60000000	-0.050000000	0.00000000
1516	-0.80000000	-0.125000000	0.50707071
1517	-0.50000000	-0.066666667	1.00000000
1518	-0.80000000	-0.050000000	0.50000000
1519	-0.50000000	-0.100000000	0.58333333
1520	-0.60000000	-0.100000000	1.00000000
1521	-0.50000000	-0.050000000	0.50000000
1522	0.00000000	0.000000000	0.83333333
1523	-0.40000000	-0.150000000	0.00000000
1524	-0.70000000	-0.025000000	0.00000000
1525	-0.12500000	-0.125000000	0.00000000
1526	-0.50000000	-0.050000000	0.00000000
1527	-0.33333333	-0.100000000	0.66666667
1528	-0.80000000	-0.050000000	1.00000000
1529	-0.50000000	-0.100000000	0.00000000
1530	-0.10000000	-0.100000000	1.00000000
1531	-0.30000000	-0.125000000	0.00000000
1532	-0.16666667	-0.166666667	0.00000000
1533	-0.40000000	-0.200000000	0.66666667
1534	-0.50000000	-0.100000000	0.66666667
1535	-0.40000000	-0.125000000	0.53333333
1536	-0.70000000	-0.125000000	0.83333333
1537	-0.50000000	-0.200000000	0.00000000
1538	-0.40000000	-0.071428571	0.00000000
1539	-0.60000000	-0.050000000	1.00000000
1540	-0.12500000	-0.071428571	0.57142857
1541	0.00000000	0.000000000	0.00000000
1542	-0.50000000	-0.187500000	0.00000000
1543	-0.75000000	-0.100000000	0.50000000
1544	-0.50000000	-0.166666667	0.00000000
1545	-0.66666667	-0.050000000	0.45454545
1546	-0.43333333	-0.008333333	0.60000000
1547	-0.70000000	-0.100000000	0.00000000
1548	-0.80000000	-0.050000000	0.00000000
1549	-0.40000000	-0.300000000	0.00000000
1550	-0.62500000	-0.125000000	1.00000000
1551	-0.60000000	-0.100000000	0.66666667
1552	-0.17857143	-0.178571429	0.00000000
1553	-0.30000000	-0.250000000	0.54000000
1554	-1.00000000	-0.033333333	0.00000000
1555	-1.00000000	-0.166666667	0.85000000
1556	-0.70000000	-0.012500000	0.00000000
1557	-0.40000000	-0.071428571	0.66666667
1558	-0.80000000	-0.100000000	0.55000000
1559	-0.40000000	-0.125000000	0.50000000

1560	-1.00000000	-0.142857143	0.66666667
1561	-0.40000000	-0.400000000	0.00000000
1562	0.00000000	0.000000000	0.00000000
1563	-0.40000000	-0.050000000	0.00000000
1564	-0.40000000	-0.100000000	0.66666667
1565	-0.80000000	-0.050000000	0.00000000
1566	-0.50000000	-0.050000000	0.50000000
1567	-0.50000000	-0.100000000	0.50000000
1568	-0.30000000	-0.050000000	0.06666667
1569	-0.60000000	-0.100000000	0.66666667
1570	-0.66666667	-0.100000000	0.00000000
1571	-0.70000000	-0.155555556	0.00000000
1572	-0.40000000	-0.400000000	0.66666667
1573	-0.40000000	-0.071428571	0.66666667
1574	-0.60000000	-0.071428571	0.66666667
1575	0.00000000	0.000000000	0.66666667
1576	-0.80000000	-0.125000000	0.46666667
1577	-0.40000000	-0.400000000	0.66666667
1578	-0.25000000	-0.250000000	0.66666667
1579	-0.70000000	-0.100000000	0.45333333
1580	-0.18750000	-0.187500000	0.33333333
1581	0.00000000	0.000000000	0.17500000
1582	-0.70000000	-0.100000000	0.00000000
1583	-0.12500000	-0.125000000	0.00000000
1584	-0.80000000	-0.200000000	0.66666667
1585	-0.40000000	-0.100000000	0.66666667
1586	-0.40000000	-0.166666667	0.66666667
1587	0.00000000	0.000000000	0.00000000
1588	-1.00000000	-0.400000000	0.50000000
1589	-1.00000000	-0.142857143	0.66666667
1590	-0.40000000	-0.125000000	0.66666667
1591	-0.66666667	-0.050000000	0.00000000
1592	-1.00000000	-0.071428571	0.66666667
1593	-0.40000000	-0.100000000	0.66666667
1594	0.00000000	0.000000000	0.58333333
1595	0.00000000	0.000000000	0.45454545
1596	-0.40000000	-0.166666667	0.39166667
1597	-0.20000000	-0.150000000	0.66666667
1598	-0.70000000	-0.100000000	0.66666667
1599	-0.40000000	-0.100000000	0.58333333
1600	-0.50000000	-0.200000000	1.00000000
1601	-0.50000000	-0.071428571	0.10000000
1602	-0.50000000	-0.100000000	0.43750000
1603	-0.60000000	-0.214285714	0.00000000
1604	-0.40000000	-0.125000000	0.68055556
1605	-0.40000000	-0.050000000	0.00000000
1606	-0.80000000	-0.071428571	0.00000000
1607	-1.00000000	-0.050000000	0.87500000
1608	-0.40000000	-0.166666667	0.65833333
1609	-0.60000000	-0.100000000	0.70833333
1610	-0.10000000	-0.071428571	0.00000000
1611	-1.00000000	-0.071428571	0.66666667
1612	-0.50000000	-0.216666667	0.63333333
1613	-0.66666667	-0.025000000	0.32222222

1614	-0.50000000	-0.050000000	0.00000000
1615	-1.00000000	-0.071428571	0.44444444
1616	-1.00000000	-0.071428571	0.58333333
1617	-0.62500000	-0.050000000	0.45833333
1618	-0.20000000	-0.100000000	0.00000000
1619	-0.25000000	-0.100000000	0.50000000
1620	-0.30000000	-0.050000000	0.27857143
1621	-0.30000000	-0.150000000	0.00000000
1622	-0.20000000	-0.066666667	0.36250000
1623	-0.30000000	-0.125000000	0.00000000
1624	-0.40000000	-0.100000000	0.20000000
1625	-0.80000000	-0.050000000	0.58333333
1626	-0.80000000	-0.071428571	0.45454545
1627	-0.50000000	-0.008333333	0.63333333
1628	0.00000000	0.000000000	0.00000000
1629	-0.25000000	-0.250000000	0.30000000
1630	-0.40000000	-0.200000000	0.33333333
1631	-0.40000000	-0.100000000	0.66666667
1632	-0.20000000	-0.200000000	1.00000000
1633	-0.50000000	-0.050000000	0.50000000
1634	-1.00000000	-0.050000000	0.66666667
1635	-0.60000000	-0.100000000	0.30000000
1636	-1.00000000	-0.050000000	0.00000000
1637	-0.40000000	-0.400000000	0.31250000
1638	-0.40000000	-0.100000000	0.50000000
1639	-0.60000000	-0.050000000	0.33333333
1640	-0.50000000	-0.125000000	0.00000000
1641	-0.50000000	-0.071428571	0.70000000
1642	-0.70000000	-0.166666667	0.15000000
1643	-0.12500000	-0.125000000	0.00000000
1644	-0.30000000	-0.050000000	0.40833333
1645	-0.60000000	-0.155555556	0.00000000
1646	-1.00000000	-0.100000000	0.54000000
1647	-0.60000000	-0.125000000	0.20000000
1648	-0.20000000	-0.100000000	0.45454545
1649	-0.18750000	-0.187500000	0.50000000
1650	0.00000000	0.000000000	0.50000000
1651	-0.40000000	-0.100000000	0.66666667
1652	-0.70000000	-0.155555556	0.66666667
1653	-0.40000000	-0.150000000	0.66666667
1654	0.00000000	0.000000000	0.41111111
1655	-0.55000000	-0.100000000	0.66666667
1656	-0.40000000	-0.166666667	0.66666667
1657	-0.30000000	-0.100000000	0.00000000
1658	-1.00000000	-0.100000000	0.00000000
1659	-1.00000000	-0.071428571	0.66666667
1660	-0.40000000	-0.166666667	0.41666667
1661	-0.29166667	-0.066666667	0.00000000
1662	0.00000000	0.000000000	0.15000000
1663	-0.60000000	-0.125000000	0.00000000
1664	-1.00000000	-0.150000000	0.40000000
1665	-0.40000000	-0.050000000	0.00000000
1666	-1.00000000	-0.125000000	0.30000000
1667	-1.00000000	-0.050000000	0.63333333

1668	-0.31250000	-0.050000000	0.00000000
1669	-0.71428571	-0.125000000	0.00000000
1670	0.00000000	0.000000000	0.00000000
1671	-0.25000000	-0.100000000	0.47727273
1672	-0.60000000	-0.050000000	0.71785714
1673	-0.50000000	-0.500000000	0.00000000
1674	-0.40000000	-0.100000000	0.00000000
1675	-0.80000000	-0.187500000	0.00000000
1676	-0.25000000	-0.166666667	0.45454545
1677	-0.12500000	-0.125000000	0.00000000
1678	-0.50000000	-0.071428571	0.00000000
1679	-0.50000000	-0.100000000	0.60000000
1680	-0.60000000	-0.100000000	0.25000000
1681	-0.25000000	-0.125000000	0.00000000
1682	-0.20000000	-0.050000000	0.00000000
1683	-0.60000000	-0.100000000	0.00000000
1684	0.00000000	0.000000000	0.00000000
1685	-0.16666667	-0.071428571	0.04761905
1686	-0.66666667	-0.050000000	0.30000000
1687	-0.70000000	-0.050000000	0.13333333
1688	-1.00000000	-0.071428571	0.45454545
1689	-0.50000000	-0.500000000	0.60000000
1690	-0.50000000	-0.025000000	0.30000000
1691	-0.20000000	-0.125000000	0.50000000
1692	-0.16666667	-0.166666667	0.70000000
1693	-1.00000000	-0.100000000	0.27727273
1694	-0.30000000	-0.100000000	0.64285714
1695	-0.50000000	-0.100000000	0.00000000
1696	-0.33333333	-0.075000000	0.00000000
1697	-0.50000000	-0.050000000	1.00000000
1698	-0.40000000	-0.400000000	0.00000000
1699	-0.40000000	-0.100000000	0.25000000
1700	-0.80000000	-0.200000000	0.66666667
1701	-0.50000000	-0.050000000	0.00000000
1702	-0.70000000	-0.700000000	0.67727273
1703	-0.50000000	-0.050000000	0.00000000
1704	-0.16666667	-0.100000000	0.40000000
1705	-0.62500000	-0.125000000	0.75000000
1706	-0.18750000	-0.050000000	0.06666667
1707	-0.80000000	-0.200000000	0.83333333
1708	-1.00000000	-0.125000000	0.00000000
1709	-0.40000000	-0.083333333	0.40000000
1710	-0.70000000	-0.050000000	0.66666667
1711	-0.50000000	-0.100000000	0.00000000
1712	-0.70000000	-0.050000000	0.00000000
1713	-0.16666667	-0.071428571	0.77500000
1714	-1.00000000	-0.050000000	0.90000000
1715	-0.16666667	-0.125000000	0.00000000
1716	-0.60000000	-0.071428571	0.22294372
1717	-0.31250000	-0.071428571	0.00000000
1718	-0.16666667	-0.166666667	0.41477273
1719	-1.00000000	-0.100000000	0.00000000
1720	-1.00000000	-0.200000000	0.68750000
1721	-0.80000000	-0.155555556	0.66666667

1722	-0.60000000	-0.025000000	1.00000000
1723	-0.10000000	-0.100000000	0.50000000
1724	-1.00000000	-0.100000000	0.10000000
1725	-0.20000000	-0.100000000	0.45454545
1726	-0.10000000	-0.050000000	0.36666667
1727	0.00000000	0.000000000	0.19047619
1728	-0.50000000	-0.100000000	0.30000000
1729	-0.62500000	-0.600000000	0.40000000
1730	-1.00000000	-0.150000000	1.00000000
1731	-0.50000000	-0.050000000	0.50000000
1732	-0.15555556	-0.155555556	0.00000000
1733	0.00000000	0.000000000	0.43484849
1734	-0.80000000	-0.700000000	1.00000000
1735	-0.71428571	-0.150000000	0.50000000
1736	-0.20000000	-0.100000000	0.23750000
1737	-0.25000000	-0.100000000	0.00000000
1738	-0.60000000	-0.050000000	0.12500000
1739	-0.50000000	-0.100000000	0.65000000
1740	-0.50000000	-0.500000000	0.00000000
1741	-1.00000000	-0.155555556	0.00000000
1742	0.00000000	0.000000000	0.28333333
1743	-0.40000000	-0.050000000	0.58333333
1744	0.00000000	0.000000000	0.50000000
1745	-0.30000000	-0.133333333	0.17777778
1746	-0.40000000	-0.250000000	0.50000000
1747	-0.50000000	-0.100000000	0.00000000
1748	-0.16666667	-0.071428571	0.10000000
1749	-0.20000000	-0.071428571	0.30000000
1750	-0.25000000	-0.100000000	0.23333333
1751	-0.30000000	-0.100000000	0.00000000
1752	-0.15555556	-0.025000000	0.00000000
1753	-0.50000000	-0.100000000	0.00000000
1754	-0.30000000	-0.083333333	0.10000000
1755	0.00000000	0.000000000	0.60000000
1756	-0.25000000	-0.050000000	0.00000000
1757	-0.80000000	-0.125000000	0.16666667
1758	-1.00000000	-0.012500000	0.66666667
1759	-1.00000000	-0.600000000	0.00000000
1760	-0.30000000	-0.100000000	1.00000000
1761	-0.75000000	-0.500000000	0.00000000
1762	-0.66666667	-0.100000000	0.30000000
1763	-0.40000000	-0.166666667	0.00000000
1764	-0.40000000	-0.400000000	0.00000000
1765	-0.60000000	-0.100000000	1.00000000
1766	-1.00000000	-0.050000000	0.65000000
1767	-0.18750000	-0.125000000	0.00000000
1768	-1.00000000	-0.050000000	0.40000000
1769	-0.50000000	-0.125000000	0.00000000
1770	0.00000000	0.000000000	0.47727273
1771	-0.50000000	-0.100000000	0.30000000
1772	0.00000000	0.000000000	0.00000000
1773	-0.40000000	-0.200000000	0.06666667
1774	-0.16666667	-0.166666667	0.00000000
1775	-0.60000000	-0.100000000	0.00000000

1776	-0.50000000	-0.050000000	0.00000000
1777	-0.80000000	-0.100000000	0.00000000
1778	-0.40000000	-0.166666667	0.00000000
1779	-0.40000000	-0.100000000	0.62500000
1780	0.00000000	0.000000000	0.00000000
1781	-0.20000000	-0.071428571	0.50000000
1782	-0.02500000	-0.025000000	0.53333333
1783	-0.66666667	-0.125000000	1.00000000
1784	0.00000000	0.000000000	0.46250000
1785	-1.00000000	-0.100000000	0.45454545
1786	-0.70000000	-0.125000000	0.13333333
1787	-1.00000000	-0.100000000	1.00000000
1788	-0.33333333	-0.071428571	0.00000000
1789	-0.70000000	-0.100000000	0.10000000
1790	-0.80000000	-0.125000000	0.12500000
1791	-0.20000000	-0.100000000	0.00000000
1792	-0.20000000	-0.050000000	0.50000000
1793	-0.40000000	-0.200000000	0.00000000
1794	-0.15555556	-0.155555556	0.00000000
1795	-0.25000000	-0.150000000	0.00000000
1796	-0.40000000	-0.100000000	0.45454545
1797	-0.70000000	-0.100000000	0.00000000
1798	-0.60000000	-0.071428571	0.00000000
1799	-0.30000000	-0.250000000	0.56333333
1800	-0.16666667	-0.166666667	0.00000000
1801	-0.40000000	-0.071428571	0.00000000
1802	-0.60000000	-0.050000000	0.50000000
1803	-0.60000000	-0.050000000	1.00000000
1804	-0.55000000	-0.050000000	0.10000000
1805	-0.15555556	-0.100000000	0.00000000
1806	-0.30000000	-0.125000000	0.00000000
1807	-0.15000000	-0.150000000	0.45000000
1808	-0.25000000	-0.187500000	0.00000000
1809	-0.80000000	-0.166666667	0.06666667
1810	-0.40000000	-0.125000000	0.22727273
1811	-0.21428571	-0.200000000	0.33333333
1812	-0.50000000	-0.100000000	0.28333333
1813	-0.31250000	-0.025000000	0.10000000
1814	-0.16666667	-0.125000000	0.38333333
1815	-0.40000000	-0.071428571	0.00000000
1816	-0.10000000	-0.083333333	1.00000000
1817	-0.60000000	-0.071428571	0.90000000
1818	-0.30000000	-0.125000000	0.00000000
1819	-0.80000000	-0.125000000	0.00000000
1820	-0.40000000	-0.100000000	0.00000000
1821	-0.20000000	-0.100000000	0.00000000
1822	0.00000000	0.000000000	0.71250000
1823	0.00000000	0.000000000	1.00000000
1824	-0.62500000	-0.025000000	0.00000000
1825	-0.40000000	-0.100000000	0.00000000
1826	-0.12500000	-0.125000000	0.00000000
1827	-0.33333333	-0.100000000	0.40000000
1828	0.00000000	0.000000000	0.00000000
1829	-1.00000000	-0.166666667	0.70000000

1830	-0.70000000	-0.200000000	0.66666667
1831	-1.00000000	-0.125000000	0.37500000
1832	-0.80000000	-0.125000000	0.00000000
1833	-1.00000000	-0.071428571	0.65000000
1834	-0.50000000	-0.125000000	0.00000000
1835	-0.50000000	-0.125000000	0.45000000
1836	-0.40000000	-0.071428571	0.00000000
1837	-0.60000000	-0.200000000	0.00000000
1838	-0.16666667	-0.166666667	0.00000000
1839	-0.25000000	-0.250000000	0.22222222
1840	-0.50000000	-0.125000000	0.00000000
1841	-1.00000000	-0.100000000	1.00000000
1842	-0.30000000	-0.166666667	0.00000000
1843	-1.00000000	-0.133333333	0.00000000
1844	-0.29166667	-0.125000000	0.45454545
1845	-0.20000000	-0.155555556	0.50000000
1846	-1.00000000	-0.100000000	1.00000000
1847	-0.40000000	-0.050000000	0.00000000
1848	-0.80000000	-0.100000000	0.58333333
1849	-0.80000000	-0.050000000	0.30000000
1850	0.00000000	0.000000000	0.00000000
1851	-0.50000000	-0.166666667	0.00000000
1852	-0.20000000	-0.050000000	0.00000000
1853	-0.30000000	-0.166666667	0.00000000
1854	-1.00000000	-0.071428571	0.85000000
1855	-0.60000000	-0.100000000	0.00000000
1856	-0.12500000	-0.125000000	0.00000000
1857	-0.20000000	-0.050000000	0.50000000
1858	-0.70000000	-0.025000000	0.00000000
1859	-0.40000000	-0.050000000	1.00000000
1860	-0.70000000	-0.033333333	0.80000000
1861	-0.20000000	-0.166666667	0.66666667
1862	-0.70000000	-0.050000000	0.00000000
1863	-1.00000000	-0.050000000	0.30000000
1864	-0.70000000	-0.125000000	0.00000000
1865	-0.40000000	-0.400000000	0.42727273
1866	-0.80000000	-0.050000000	0.22727273
1867	-1.00000000	-0.125000000	0.00000000
1868	-0.50000000	-0.300000000	0.00000000
1869	-0.40000000	-0.125000000	0.00000000
1870	-1.00000000	-0.066666667	0.58333333
1871	-0.50000000	-0.500000000	0.85000000
1872	-0.50000000	-0.050000000	0.00000000
1873	-1.00000000	-0.050000000	0.66666667
1874	0.00000000	0.000000000	0.00000000
1875	-0.30000000	-0.050000000	0.00000000
1876	-0.60000000	-0.025000000	0.00000000
1877	-0.60000000	-0.187500000	0.45454545
1878	-0.20000000	-0.200000000	0.00000000
1879	-0.70000000	-0.071428571	0.57500000
1880	-0.20000000	-0.200000000	0.00000000
1881	-0.60000000	-0.100000000	0.21666667
1882	-0.50000000	-0.500000000	0.50000000
1883	-0.20000000	-0.071428571	0.59166667

1884	-0.40000000	-0.200000000	0.00000000
1885	-0.25000000	-0.071428571	0.20000000
1886	-0.30000000	-0.071428571	0.33333333
1887	-0.16666667	-0.125000000	0.00000000
1888	-0.12500000	-0.050000000	0.00000000
1889	-0.31250000	-0.187500000	1.00000000
1890	-0.90000000	-0.125000000	0.00000000
1891	-0.50000000	-0.100000000	0.16666667
1892	-0.60000000	-0.071428571	0.00000000
1893	-0.15555556	-0.125000000	0.37500000
1894	-0.70000000	-0.050000000	0.00000000
1895	-0.50000000	-0.050000000	0.00000000
1896	-0.16666667	-0.166666667	0.33333333
1897	-1.00000000	-0.050000000	0.06666667
1898	-0.80000000	-0.050000000	0.85000000
1899	-0.20000000	-0.200000000	0.00000000
1900	-0.50000000	-0.100000000	0.00000000
1901	-0.60000000	-0.125000000	0.33333333
1902	-0.50000000	-0.250000000	0.65000000
1903	-0.40000000	-0.125000000	0.00000000
1904	-0.75000000	-0.100000000	0.00000000
1905	-0.50000000	-0.200000000	0.65000000
1906	-0.60000000	-0.033333333	0.00000000
1907	-0.05000000	-0.050000000	0.00000000
1908	-0.20000000	-0.200000000	0.00000000
1909	-0.60000000	-0.100000000	0.00000000
1910	-1.00000000	-0.050000000	0.00000000
1911	-0.60000000	-0.100000000	0.62500000
1912	-0.50000000	-0.100000000	0.00000000
1913	-1.00000000	-0.125000000	0.40000000
1914	-0.40000000	-0.050000000	0.00000000
1915	-0.70000000	-0.250000000	0.37500000
1916	-0.40000000	-0.050000000	0.00000000
1917	-0.60000000	-0.050000000	0.70000000
1918	-1.00000000	-0.175000000	0.00000000
1919	-0.31250000	-0.050000000	0.10000000
1920	-0.80000000	-0.083333333	0.00000000
1921	-0.50000000	-0.050000000	0.72727273
1922	-0.20000000	-0.155555556	0.00000000
1923	0.00000000	0.000000000	0.45454545
1924	-0.50000000	-0.187500000	0.00000000
1925	0.00000000	0.000000000	0.00000000
1926	0.00000000	0.000000000	0.00000000
1927	-0.20000000	-0.150000000	0.00000000
1928	-0.60000000	-0.100000000	0.00000000
1929	-1.00000000	-0.066666667	0.30000000
1930	-0.30000000	-0.166666667	0.33333333
1931	-0.18750000	-0.100000000	0.00000000
1932	-0.70000000	-0.125000000	0.00000000
1933	-0.60000000	-0.150000000	0.30000000
1934	-0.60000000	-0.100000000	0.20000000
1935	-0.80000000	-0.050000000	0.44666667
1936	-0.40000000	-0.166666667	1.00000000
1937	-0.80000000	-0.187500000	0.00000000

1938	-0.60000000	-0.050000000	0.00000000
1939	-0.30000000	-0.125000000	0.50000000
1940	-0.25000000	-0.178571429	0.50000000
1941	0.00000000	0.000000000	0.00000000
1942	-0.50000000	-0.100000000	0.00000000
1943	-0.30000000	-0.155555556	0.00000000
1944	-0.30000000	-0.125000000	0.00000000
1945	-0.70000000	-0.050000000	0.06666667
1946	-0.10000000	-0.100000000	0.00000000
1947	-0.30000000	-0.071428571	0.00000000
1948	-0.20000000	-0.125000000	0.00000000
1949	-1.00000000	-0.100000000	0.20000000
1950	-0.60000000	-0.200000000	0.00000000
1951	-1.00000000	-0.100000000	0.90000000
1952	-0.20000000	-0.166666667	0.00000000
1953	-0.40000000	-0.300000000	0.00000000
1954	-1.00000000	-0.050000000	0.00000000
1955	-0.40000000	-0.071428571	0.00000000
1956	-0.50000000	-0.200000000	0.06250000
1957	-0.12500000	-0.100000000	0.00000000
1958	-0.60000000	-0.050000000	0.33333333
1959	-0.60000000	-0.071428571	0.00000000
1960	-0.50000000	-0.125000000	0.38750000
1961	-0.50000000	-0.125000000	0.00000000
1962	-0.60000000	-0.155555556	0.60000000
1963	-0.40000000	-0.200000000	0.00000000
1964	-0.25000000	-0.125000000	0.00000000
1965	-0.30000000	-0.300000000	0.00000000
1966	-1.00000000	-0.050000000	0.00000000
1967	-0.30000000	-0.166666667	0.72727273
1968	-0.16666667	-0.050000000	0.42500000
1969	0.00000000	0.000000000	0.72727273
1970	-0.40000000	-0.100000000	0.06666667
1971	-0.15555556	-0.155555556	0.00000000
1972	-1.00000000	-0.050000000	0.00000000
1973	-0.50000000	-0.050000000	0.50000000
1974	-0.50000000	-0.050000000	0.80000000
1975	-0.18750000	-0.071428571	0.00000000
1976	-0.50000000	-0.100000000	0.50000000
1977	-0.40000000	-0.400000000	0.64285714
1978	-0.31250000	-0.050000000	0.64285714
1979	0.00000000	0.000000000	0.60000000
1980	-0.40000000	-0.050000000	0.00000000
1981	-0.50000000	-0.100000000	0.00000000
1982	-0.70000000	-0.100000000	0.00000000
1983	-0.50000000	-0.100000000	0.70000000
1984	-0.50000000	-0.050000000	0.75000000
1985	-0.50000000	-0.050000000	0.00000000
1986	0.00000000	0.000000000	0.06666667
1987	0.00000000	0.000000000	0.00000000
1988	-0.70000000	-0.300000000	0.00000000
1989	-0.50000000	-0.100000000	0.65000000
1990	-1.00000000	-0.100000000	0.00000000
1991	-0.50000000	-0.050000000	0.00000000

1992	-0.50000000	-0.100000000	0.30000000
1993	-0.50000000	-0.100000000	0.20000000
1994	-0.80000000	-0.050000000	0.50000000
1995	-0.50000000	-0.100000000	0.50000000
1996	-0.50000000	-0.025000000	0.00000000
1997	-0.40000000	-0.071428571	1.00000000
1998	-0.40000000	-0.071428571	0.50000000
1999	-0.80000000	-0.125000000	0.63333333
2000	-0.60000000	-0.187500000	0.00000000
2001	-0.70000000	-0.100000000	0.50000000
2002	-0.50000000	-0.178571429	0.67500000
2003	0.00000000	0.000000000	1.00000000
2004	-0.50000000	-0.071428571	0.00000000
2005	-0.60000000	-0.250000000	0.00000000
2006	-0.40000000	-0.125000000	0.00000000
2007	-0.20000000	-0.100000000	0.00000000
2008	0.00000000	0.000000000	0.37500000
2009	-0.25000000	-0.100000000	0.00000000
2010	-0.30000000	-0.050000000	0.50000000
2011	-1.00000000	-0.033333333	0.00000000
2012	-0.75000000	-0.050000000	0.00000000
2013	-0.66666667	-0.071428571	0.60000000
2014	-0.50000000	-0.071428571	0.00000000
2015	0.00000000	0.000000000	1.00000000
2016	-0.60000000	-0.050000000	1.00000000
2017	-0.30000000	-0.100000000	0.45454545
2018	-0.30000000	-0.155555556	0.22777778
2019	-1.00000000	-0.050000000	0.00000000
2020	-0.40000000	-0.071428571	0.00000000
2021	-0.40000000	-0.100000000	0.00000000
2022	-0.90000000	-0.100000000	0.00000000
2023	-0.18750000	-0.050000000	0.23333333
2024	-0.40000000	-0.050000000	0.00000000
2025	-0.30000000	-0.155555556	0.00000000
2026	-0.12500000	-0.125000000	0.00000000
2027	-0.50000000	-0.500000000	0.33333333
2028	-0.50000000	-0.100000000	0.37500000
2029	-0.80000000	-0.400000000	0.40000000
2030	0.00000000	0.000000000	0.45454545
2031	-0.30000000	-0.050000000	0.25000000
2032	-0.80000000	-0.076923077	0.00000000
2033	-0.60000000	-0.100000000	0.00000000
2034	-0.31250000	-0.200000000	0.00000000
2035	-0.16666667	-0.071428571	0.00000000
2036	-0.50000000	-0.100000000	0.50000000
2037	-0.60000000	-0.125000000	0.50000000
2038	-0.66666667	-0.200000000	0.54000000
2039	-1.00000000	-0.050000000	0.00000000
2040	-0.40000000	-0.125000000	0.45454545
2041	-0.16666667	-0.166666667	0.51666667
2042	0.00000000	0.000000000	0.60000000
2043	-0.30000000	-0.071428571	0.45454545
2044	-0.30000000	-0.100000000	0.58333333
2045	-0.30000000	-0.100000000	0.00000000

2046	-0.10000000	-0.100000000	0.45454545
2047	-0.60000000	-0.100000000	0.50000000
2048	-0.40000000	-0.125000000	0.75000000
2049	-0.60000000	-0.071428571	0.16666667
2050	-0.60000000	-0.100000000	0.00000000
2051	-0.25000000	-0.250000000	0.45454545
2052	-1.00000000	-0.200000000	0.06666667
2053	-0.50000000	-0.050000000	0.00000000
2054	0.00000000	0.000000000	0.00000000
2055	-0.12500000	-0.125000000	0.00000000
2056	-0.71428571	-0.125000000	0.00000000
2057	-0.70000000	-0.250000000	1.00000000
2058	-0.25000000	-0.250000000	0.00000000
2059	-0.16666667	-0.166666667	0.40000000
2060	-0.50000000	-0.100000000	0.00000000
2061	-0.40000000	-0.050000000	0.00000000
2062	-0.40000000	-0.400000000	0.00000000
2063	-0.31666667	-0.125000000	0.23333333
2064	-0.40000000	-0.125000000	0.40000000
2065	0.00000000	0.000000000	0.00000000
2066	-0.40000000	-0.178571429	0.66666667
2067	-0.60000000	-0.100000000	0.66666667
2068	-1.00000000	-0.125000000	0.00000000
2069	-0.60000000	-0.025000000	0.72727273
2070	-0.16666667	-0.125000000	0.50000000
2071	0.00000000	0.000000000	0.00000000
2072	-0.80000000	-0.050000000	0.00000000
2073	-1.00000000	-0.008333333	1.00000000
2074	-0.66666667	-0.075000000	0.52500000
2075	-0.80000000	-0.025000000	0.40000000
2076	-1.00000000	-0.200000000	0.75000000
2077	-0.40000000	-0.100000000	0.00000000
2078	-0.70000000	-0.125000000	0.00000000
2079	-0.20000000	-0.200000000	0.00000000
2080	-0.80000000	-0.100000000	0.39444444
2081	-1.00000000	-0.166666667	1.00000000
2082	-0.15000000	-0.150000000	0.00000000
2083	-0.43333333	-0.050000000	0.90000000
2084	-0.33333333	-0.050000000	0.00000000
2085	-0.50000000	-0.025000000	0.00000000
2086	-0.30000000	-0.300000000	0.37500000
2087	-0.50000000	-0.400000000	0.59595960
2088	-0.25000000	-0.100000000	0.00000000
2089	-1.00000000	-0.050000000	0.30000000
2090	-0.40000000	-0.125000000	0.45454545
2091	-0.80000000	-0.100000000	0.00000000
2092	-0.15555556	-0.155555556	0.50000000
2093	-0.05000000	-0.050000000	0.00000000
2094	-0.40000000	-0.166666667	0.10000000
2095	-1.00000000	-0.100000000	0.66666667
2096	-0.30000000	-0.300000000	0.00000000
2097	-0.12500000	-0.050000000	0.00000000
2098	-0.40000000	-0.071428571	0.00000000
2099	-0.50000000	-0.100000000	0.00000000

2100	-0.30000000	-0.050000000	0.00000000
2101	-1.00000000	-0.050000000	1.00000000
2102	-0.40000000	-0.400000000	0.00000000
2103	-0.62500000	-0.333333333	0.00000000
2104	-0.66666667	-0.250000000	0.00000000
2105	-0.10000000	-0.100000000	0.00000000
2106	-0.30000000	-0.071428571	0.43961039
2107	-0.20000000	-0.125000000	0.66666667
2108	-0.40000000	-0.076923077	0.00000000
2109	-1.00000000	-0.125000000	0.00000000
2110	-0.60000000	-0.050000000	0.33333333
2111	-0.16666667	-0.050000000	0.00000000
2112	0.00000000	0.000000000	0.75000000
2113	-0.16666667	-0.050000000	0.64523809
2114	-0.70000000	-0.300000000	0.61363636
2115	-0.25000000	-0.050000000	0.00000000
2116	-1.00000000	-0.166666667	0.00000000
2117	-0.50000000	-0.050000000	0.00000000
2118	-0.60000000	-0.125000000	0.00000000
2119	0.00000000	0.000000000	0.00000000
2120	0.00000000	0.000000000	0.54000000
2121	-0.60000000	-0.600000000	0.00000000
2122	-0.25000000	-0.250000000	0.30000000
2123	-1.00000000	-0.125000000	1.00000000
2124	-0.60000000	-0.100000000	0.00000000
2125	-0.50000000	-0.500000000	0.40000000
2126	-0.30000000	-0.050000000	0.54000000
2127	-0.50000000	-0.050000000	0.00000000
2128	-0.50000000	-0.100000000	0.85000000
2129	-0.40000000	-0.071428571	0.00000000
2130	-0.60000000	-0.100000000	0.60000000
2131	-0.40000000	-0.071428571	0.00000000
2132	-1.00000000	-0.050000000	0.63333333
2133	0.00000000	0.000000000	0.35555556
2134	-0.60000000	-0.071428571	0.00000000
2135	-0.40000000	-0.071428571	0.45454545
2136	-0.70000000	-0.071428571	0.72727273
2137	-0.50000000	-0.050000000	0.00000000
2138	-0.20000000	-0.125000000	0.00000000
2139	-0.50000000	-0.166666667	0.50000000
2140	-0.50000000	-0.100000000	0.00000000
2141	-1.00000000	-0.050000000	1.00000000
2142	-0.40000000	-0.125000000	0.90000000
2143	-0.90000000	-0.100000000	0.00000000
2144	-0.60000000	-0.050000000	0.00000000
2145	-0.50000000	-0.200000000	0.00000000
2146	-1.00000000	-0.050000000	0.64444444
2147	-0.50000000	-0.150000000	0.90000000
2148	-1.00000000	-0.071428571	0.00000000
2149	-0.50000000	-0.071428571	0.00000000
2150	-0.60000000	-0.100000000	0.60000000
2151	-0.80000000	-0.133333333	0.60000000
2152	-0.90000000	-0.100000000	0.00000000
2153	-0.50000000	-0.050000000	0.00000000

2154	-0.50000000	-0.125000000	0.00000000
2155	-0.80000000	-0.200000000	0.80000000
2156	-0.80000000	-0.050000000	0.00000000
2157	-0.60000000	-0.500000000	0.45454545
2158	0.00000000	0.000000000	0.50000000
2159	-0.70000000	-0.050000000	0.80000000
2160	-0.66666667	-0.187500000	0.27000000
2161	-0.50000000	-0.200000000	0.00000000
2162	-0.60000000	-0.071428571	0.54000000
2163	-0.16666667	-0.100000000	1.00000000
2164	-0.70000000	-0.071428571	0.00000000
2165	-1.00000000	-0.125000000	0.65000000
2166	-0.12500000	-0.125000000	0.00000000
2167	-0.50000000	-0.125000000	0.50000000
2168	-0.50000000	-0.050000000	0.00000000
2169	0.00000000	0.000000000	0.40000000
2170	-0.25000000	-0.100000000	0.37500000
2171	-0.43333333	-0.050000000	0.60000000
2172	-0.40000000	-0.125000000	0.40000000
2173	-0.60000000	-0.100000000	0.00000000
2174	-0.15555556	-0.155555556	0.00000000
2175	-0.70000000	-0.155555556	0.00000000
2176	-0.33333333	-0.333333333	0.00000000
2177	-0.60000000	-0.012500000	1.00000000
2178	-0.80000000	-0.071428571	1.00000000
2179	-0.70000000	-0.071428571	0.30000000
2180	-0.15000000	-0.150000000	0.10000000
2181	-1.00000000	-0.155555556	0.00000000
2182	-1.00000000	-0.050000000	0.00000000
2183	-0.65000000	-0.050000000	0.53571429
2184	-0.60000000	-0.050000000	0.00000000
2185	-0.25000000	-0.100000000	0.43333333
2186	-0.40000000	-0.071428571	0.00000000
2187	-0.30000000	-0.155555556	0.38974359
2188	-0.50000000	-0.100000000	0.00000000
2189	-0.60000000	-0.100000000	0.60000000
2190	-0.60000000	-0.050000000	0.45454545
2191	-0.16666667	-0.125000000	0.00000000
2192	-0.60000000	-0.100000000	0.00000000
2193	-0.90000000	-0.100000000	0.00000000
2194	-0.50000000	-0.100000000	0.00000000
2195	-1.00000000	-0.050000000	0.06666667
2196	-0.16666667	-0.166666667	0.00000000
2197	-0.40000000	-0.125000000	0.00000000
2198	-0.25000000	-0.166666667	0.50000000
2199	-0.62500000	-0.187500000	1.00000000
2200	-0.20000000	-0.200000000	0.50000000
2201	-0.50000000	-0.125000000	0.00000000
2202	-1.00000000	-0.125000000	0.50000000
2203	-0.80000000	-0.071428571	0.00000000
2204	-0.50000000	-0.050000000	0.45454545
2205	-0.66666667	-0.071428571	0.20000000
2206	-0.80000000	-0.100000000	0.00000000
2207	-1.00000000	-0.125000000	1.00000000

2208	-0.70000000	-0.125000000	0.00000000
2209	-0.50000000	-0.050000000	0.06666667
2210	-0.60000000	-0.100000000	1.00000000
2211	-0.60000000	-0.125000000	0.00000000
2212	-0.40000000	-0.100000000	0.00000000
2213	-0.40000000	-0.050000000	0.20000000
2214	-0.50000000	-0.071428571	0.27460317
2215	-0.60000000	-0.050000000	0.40000000
2216	-0.25000000	-0.071428571	0.30000000
2217	-0.33333333	-0.125000000	0.00000000
2218	-0.16666667	-0.166666667	0.00000000
2219	-0.25000000	-0.100000000	0.00000000
2220	0.00000000	0.000000000	0.00000000
2221	-0.70000000	-0.200000000	0.00000000
2222	-0.20000000	-0.125000000	0.65000000
2223	0.00000000	0.000000000	0.50000000
2224	-0.60000000	-0.071428571	0.00000000
2225	-0.50000000	-0.187500000	0.00000000
2226	-0.25000000	-0.155555556	1.00000000
2227	-0.20000000	-0.166666667	0.00000000
2228	-0.71428571	-0.050000000	0.00000000
2229	-0.50000000	-0.187500000	0.00000000
2230	-0.60000000	-0.166666667	1.00000000
2231	-0.29166667	-0.125000000	0.00000000
2232	-0.40000000	-0.100000000	0.70000000
2233	-0.60000000	-0.100000000	1.00000000
2234	-0.40000000	-0.050000000	0.00000000
2235	-0.31250000	-0.050000000	0.80000000
2236	-0.80000000	-0.071428571	0.30000000
2237	-0.80000000	-0.071428571	1.00000000
2238	-0.80000000	-0.187500000	0.00000000
2239	-0.60000000	-0.100000000	0.00000000
2240	-0.05000000	-0.050000000	0.29166667
2241	-0.38888889	-0.155555556	0.70000000
2242	0.00000000	0.000000000	0.00000000
2243	-0.60000000	-0.100000000	0.00000000
2244	-0.20000000	-0.200000000	0.00000000
2245	-0.50000000	-0.250000000	0.33333333
2246	-0.12500000	-0.050000000	0.80000000
2247	-0.50000000	-0.125000000	0.00000000
2248	-0.25000000	-0.150000000	0.00000000
2249	-0.70000000	-0.100000000	0.60000000
2250	-0.20000000	-0.125000000	0.00000000
2251	-0.25000000	-0.050000000	0.28333333
2252	-0.15000000	-0.125000000	0.00000000
2253	-0.60000000	-0.050000000	0.00000000
2254	-0.40000000	-0.125000000	0.00000000
2255	0.00000000	0.000000000	0.60000000
2256	-0.60000000	-0.050000000	0.50000000
2257	-0.50000000	-0.100000000	0.12500000
2258	-0.38888889	-0.166666667	0.60000000
2259	-0.40000000	-0.166666667	0.00000000
2260	-0.30000000	-0.050000000	0.00000000
2261	-0.60000000	-0.050000000	0.00000000

2262	-0.60000000	-0.125000000	0.00000000
2263	-0.31666667	-0.316666667	0.00000000
2264	-0.87500000	-0.500000000	0.00000000
2265	-0.20000000	-0.200000000	0.80000000
2266	-1.00000000	-0.050000000	0.80000000
2267	-0.20000000	-0.100000000	0.00000000
2268	-0.15555556	-0.100000000	0.00000000
2269	-0.30000000	-0.300000000	0.62500000
2270	-0.60000000	-0.100000000	0.00000000
2271	-0.16666667	-0.071428571	0.45454545
2272	-0.20000000	-0.155555556	0.00000000
2273	-0.60000000	-0.100000000	0.00000000
2274	-0.25000000	-0.166666667	0.50000000
2275	-0.16666667	-0.166666667	0.30000000
2276	-0.50000000	-0.100000000	0.40000000
2277	-0.50000000	-0.200000000	0.60000000
2278	-0.50000000	-0.155555556	0.10000000
2279	-1.00000000	-0.100000000	0.00000000
2280	0.00000000	0.000000000	0.37500000
2281	-0.40000000	-0.125000000	0.00000000
2282	0.00000000	0.000000000	0.00000000
2283	-0.75000000	-0.050000000	0.00000000
2284	-0.12500000	-0.100000000	0.00000000
2285	-0.66666667	-0.100000000	0.10000000
2286	-0.50000000	-0.050000000	1.00000000
2287	-1.00000000	-0.100000000	0.00000000
2288	-0.50000000	-0.100000000	0.00000000
2289	-1.00000000	-0.083333333	0.75000000
2290	-0.80000000	-0.125000000	0.50000000
2291	-0.16666667	-0.166666667	0.00000000
2292	-0.60000000	-0.300000000	0.45454545
2293	-0.80000000	-0.071428571	0.21428571
2294	-0.50000000	-0.050000000	0.00000000
2295	-0.30000000	-0.100000000	0.00000000
2296	-0.43333333	-0.150000000	0.25555556
2297	-0.15555556	-0.125000000	0.00000000
2298	-0.50000000	-0.050000000	0.00000000
2299	-0.50000000	-0.100000000	0.00000000
2300	-0.90000000	-0.142857143	0.75000000
2301	-0.90000000	-0.100000000	0.57727273
2302	-0.16666667	-0.166666667	0.00000000
2303	-0.80000000	-0.100000000	0.00000000
2304	-0.40000000	-0.050000000	0.67500000
2305	0.00000000	0.000000000	0.30000000
2306	-0.62500000	-0.125000000	0.00000000
2307	-0.80000000	-0.050000000	0.15000000
2308	-0.40000000	-0.125000000	0.70000000
2309	0.00000000	0.000000000	0.50000000
2310	-0.40000000	-0.100000000	0.00000000
2311	-1.00000000	-0.166666667	0.90000000
2312	-1.00000000	-0.100000000	0.16666667
2313	0.00000000	0.000000000	0.00000000
2314	-0.20000000	-0.100000000	0.00000000
2315	-0.30000000	-0.155555556	0.00000000

2316	-0.40000000	-0.050000000	0.30000000
2317	-0.50000000	-0.100000000	0.60000000
2318	-0.15555556	-0.125000000	0.00000000
2319	-0.40000000	-0.125000000	0.33333333
2320	-0.33333333	-0.125000000	0.00000000
2321	0.00000000	0.000000000	0.58750000
2322	-1.00000000	-0.050000000	1.00000000
2323	-0.30000000	-0.125000000	1.00000000
2324	-0.40000000	-0.100000000	0.50000000
2325	-0.50000000	-0.125000000	0.55000000
2326	-1.00000000	-0.075000000	0.10000000
2327	0.00000000	0.000000000	0.00000000
2328	-0.50000000	-0.050000000	0.00000000
2329	-0.70000000	-0.071428571	0.00000000
2330	-0.50000000	-0.050000000	0.00000000
2331	-0.71428571	-0.714285714	0.00000000
2332	-0.80000000	-0.100000000	0.75000000
2333	-0.50000000	-0.125000000	0.05000000
2334	-0.50000000	-0.050000000	0.00000000
2335	-0.50000000	-0.050000000	0.72727273
2336	-0.70000000	-0.050000000	0.00000000
2337	-0.12500000	-0.125000000	0.52500000
2338	0.00000000	0.000000000	0.06666667
2339	-0.50000000	-0.214285714	0.00000000
2340	-0.40000000	-0.100000000	0.00000000
2341	-0.12500000	-0.100000000	0.00000000
2342	0.00000000	0.000000000	0.50000000
2343	-0.40000000	-0.125000000	0.73333333
2344	-0.15555556	-0.125000000	0.00000000
2345	-0.30000000	-0.100000000	0.55000000
2346	-0.10000000	-0.100000000	0.95000000
2347	-0.62500000	-0.071428571	0.20000000
2348	-1.00000000	-0.050000000	0.75000000
2349	-0.50000000	-0.200000000	0.60000000
2350	-1.00000000	-0.076923077	0.60000000
2351	-0.43333333	-0.050000000	0.90000000
2352	-0.20000000	-0.150000000	0.00000000
2353	-0.87500000	-0.071428571	1.00000000
2354	-1.00000000	-0.187500000	1.00000000
2355	-1.00000000	-0.200000000	0.50000000
2356	-1.00000000	-0.100000000	1.00000000
2357	-0.12500000	-0.100000000	0.00000000
2358	-0.30000000	-0.125000000	0.00000000
2359	-0.50000000	-0.100000000	0.50000000
2360	-1.00000000	-0.071428571	0.00000000
2361	-0.60000000	-0.100000000	0.00000000
2362	-0.50000000	-0.100000000	0.00000000
2363	-0.43333333	-0.100000000	0.00000000
2364	-0.50000000	-0.291666667	0.45000000
2365	-0.50000000	-0.187500000	0.70000000
2366	-0.40000000	-0.050000000	0.00000000
2367	-0.60000000	-0.071428571	0.06666667
2368	-0.40000000	-0.125000000	0.48333333
2369	-0.40000000	-0.100000000	0.06666667

2370	-0.60000000	-0.155555556	0.18750000
2371	-0.66666667	-0.125000000	0.00000000
2372	-0.20000000	-0.187500000	0.47727273
2373	-0.40000000	-0.400000000	0.00000000
2374	-0.30000000	-0.125000000	0.90000000
2375	-0.50000000	-0.100000000	0.00000000
2376	-1.00000000	-0.100000000	0.62500000
2377	-0.50000000	-0.100000000	1.00000000
2378	0.00000000	0.000000000	0.00000000
2379	-0.90000000	-0.125000000	0.50000000
2380	-0.33333333	-0.333333333	0.33333333
2381	-0.40000000	-0.125000000	0.00000000
2382	-0.60000000	-0.050000000	0.03333333
2383	-0.18750000	-0.166666667	0.30000000
2384	-0.70000000	-0.050000000	0.30000000
2385	-1.00000000	-0.050000000	0.00000000
2386	-1.00000000	-0.076923077	0.00000000
2387	0.00000000	0.000000000	0.16666667
2388	-0.50000000	-0.100000000	0.00000000
2389	-0.50000000	-0.125000000	0.00000000
2390	-0.40000000	-0.100000000	0.10000000
2391	-0.07142857	-0.071428571	0.12500000
2392	-0.50000000	-0.500000000	0.70000000
2393	-1.00000000	-0.100000000	0.21818182
2394	-0.12500000	-0.071428571	0.00000000
2395	-0.60000000	-0.100000000	0.50000000
2396	-0.20000000	-0.125000000	0.75000000
2397	-0.60000000	-0.050000000	0.50000000
2398	-0.40000000	-0.100000000	0.50000000
2399	0.00000000	0.000000000	0.70000000
2400	0.00000000	0.000000000	0.00000000
2401	-0.10000000	-0.100000000	0.22727273
2402	-0.40000000	-0.071428571	0.00000000
2403	-1.00000000	-0.050000000	0.40000000
2404	-0.50000000	-0.155555556	0.00000000
2405	-0.15555556	-0.050000000	0.00000000
2406	-0.80000000	-0.300000000	0.90000000
2407	-0.60000000	-0.500000000	0.60000000
2408	-0.16666667	-0.050000000	0.60000000
2409	-0.50000000	-0.200000000	1.00000000
2410	-0.80000000	-0.050000000	0.00000000
2411	-0.15555556	-0.155555556	0.00000000
2412	-1.00000000	-0.166666667	0.85000000
2413	-0.16666667	-0.125000000	0.45454545
2414	-0.30000000	-0.050000000	0.00000000
2415	-1.00000000	-0.050000000	0.00000000
2416	-0.50000000	-0.050000000	0.50000000
2417	-1.00000000	-0.050000000	0.15833333
2418	-0.70000000	-0.100000000	0.00000000
2419	-0.60000000	-0.050000000	0.00000000
2420	-0.29166667	-0.291666667	0.00000000
2421	-1.00000000	-0.050000000	1.00000000
2422	-1.00000000	-0.008333333	0.50000000
2423	-0.12500000	-0.050000000	1.00000000

2424	-0.20000000	-0.033333333	0.00000000
2425	0.00000000	0.000000000	0.90000000
2426	-0.50000000	-0.050000000	1.00000000
2427	-0.30000000	-0.166666667	0.52500000
2428	-0.20000000	-0.200000000	0.00000000
2429	-0.90000000	-0.050000000	0.43333333
2430	-0.60000000	-0.025000000	0.00000000
2431	-0.40000000	-0.400000000	0.37500000
2432	-0.70000000	-0.125000000	0.00000000
2433	-0.80000000	-0.100000000	0.57142857
2434	-0.80000000	-0.025000000	0.00000000
2435	-0.30000000	-0.155555556	0.00000000
2436	-0.50000000	-0.250000000	0.75000000
2437	-0.40000000	-0.071428571	0.60000000
2438	-1.00000000	-0.187500000	1.00000000
2439	-0.50000000	-0.050000000	0.00000000
2440	-0.50000000	-0.500000000	0.60000000
2441	0.00000000	0.000000000	0.00000000
2442	-0.50000000	-0.166666667	0.60000000
2443	-1.00000000	-0.250000000	0.00000000
2444	-0.60000000	-0.050000000	0.00000000
2445	-0.66666667	-0.050000000	0.75000000
2446	-0.50000000	-0.300000000	0.00000000
2447	-0.87500000	-0.100000000	0.00000000
2448	-0.40000000	-0.100000000	0.00000000
2449	-0.90000000	-0.100000000	0.60000000
2450	-0.20000000	-0.200000000	0.16666667
2451	-0.25000000	-0.025000000	0.00000000
2452	-0.40000000	-0.025000000	0.00000000
2453	-0.66666667	-0.071428571	1.00000000
2454	-1.00000000	-0.083333333	0.00000000
2455	-0.50000000	-0.125000000	0.00000000
2456	-0.62500000	-0.071428571	0.00000000
2457	-0.25000000	-0.071428571	0.00000000
2458	0.00000000	0.000000000	0.50000000
2459	-0.40000000	-0.155555556	0.40000000
2460	-1.00000000	-0.071428571	0.00000000
2461	-0.50000000	-0.050000000	0.00000000
2462	-0.80000000	-0.050000000	0.00000000
2463	-0.60000000	-0.050000000	0.50000000
2464	-0.70000000	-0.050000000	0.00000000
2465	-0.50000000	-0.066666667	0.00000000
2466	-0.50000000	-0.500000000	0.41666667
2467	-0.40000000	-0.100000000	0.00000000
2468	-0.60000000	-0.050000000	0.30000000
2469	-0.20000000	-0.100000000	0.50000000
2470	-0.70000000	-0.100000000	0.28333333
2471	-0.30000000	-0.300000000	0.60000000
2472	-0.40000000	-0.071428571	0.00000000
2473	-0.60000000	-0.125000000	0.37500000
2474	-0.40000000	-0.100000000	0.00000000
2475	-0.16666667	-0.050000000	0.00000000
2476	-0.40000000	-0.155555556	0.00000000
2477	-0.30000000	-0.050000000	0.33333333

2478	-0.50000000	-0.187500000	0.00000000
2479	-0.60000000	-0.050000000	1.00000000
2480	-0.70000000	-0.125000000	0.00000000
2481	-0.60000000	-0.100000000	0.42500000
2482	-0.70000000	-0.071428571	0.00000000
2483	-0.30000000	-0.166666667	0.00000000
2484	-0.16666667	-0.100000000	0.00000000
2485	-0.30000000	-0.100000000	0.00000000
2486	-0.20000000	-0.200000000	0.00000000
2487	-1.00000000	-0.071428571	1.00000000
2488	-0.80000000	-0.125000000	0.50000000
2489	-0.30000000	-0.187500000	1.00000000
2490	-0.40000000	-0.100000000	0.00000000
2491	-0.40000000	-0.050000000	0.33333333
2492	-0.60000000	-0.100000000	0.51893939
2493	-0.07142857	-0.071428571	0.45454545
2494	-0.50000000	-0.125000000	0.25000000
2495	-1.00000000	-0.100000000	0.75000000
2496	-0.50000000	-0.125000000	1.00000000
2497	-0.60000000	-0.600000000	0.00000000
2498	-0.50000000	-0.100000000	0.05000000
2499	-0.80000000	-0.166666667	0.20000000
2500	-0.60000000	-0.100000000	0.90000000
2501	-0.40000000	-0.133333333	0.00000000
2502	-0.20000000	-0.200000000	0.00000000
2503	-0.60000000	-0.050000000	0.00000000
2504	-0.50000000	-0.050000000	0.00000000
2505	-0.18750000	-0.100000000	0.00000000
2506	-1.00000000	-0.125000000	0.00000000
2507	-0.31250000	-0.071428571	0.64285714
2508	-0.20000000	-0.200000000	0.00000000
2509	-0.31250000	-0.100000000	0.68750000
2510	-1.00000000	-0.133333333	0.06666667
2511	-0.20000000	-0.125000000	0.50000000
2512	-0.80000000	-0.071428571	0.06666667
2513	-0.25000000	-0.050000000	0.54000000
2514	-1.00000000	-0.050000000	0.09583333
2515	-0.12500000	-0.050000000	1.00000000
2516	-0.80000000	-0.166666667	0.50000000
2517	-0.05000000	-0.050000000	0.00000000
2518	-0.40000000	-0.300000000	0.41666667
2519	-0.60000000	-0.133333333	0.64285714
2520	-0.12500000	-0.125000000	0.50000000
2521	-0.20000000	-0.100000000	0.00000000
2522	-0.70000000	-0.050000000	0.83333333
2523	-0.30000000	-0.100000000	0.00000000
2524	-0.05000000	-0.050000000	0.37000000
2525	-0.40000000	-0.050000000	0.60000000
2526	-0.70000000	-0.100000000	0.00000000
2527	-0.40000000	-0.050000000	0.10000000
2528	-0.50000000	-0.500000000	0.37500000
2529	-0.60000000	-0.100000000	0.30000000
2530	0.00000000	0.000000000	0.30000000
2531	-0.80000000	-0.050000000	0.00000000

2532	-0.15555556	-0.025000000	0.00000000
2533	-0.41666667	-0.050000000	0.33333333
2534	-0.30000000	-0.100000000	0.00000000
2535	-0.25000000	-0.125000000	0.20000000
2536	-0.60000000	-0.100000000	0.00000000
2537	-0.31250000	-0.100000000	0.60000000
2538	-1.00000000	-0.100000000	0.00000000
2539	-0.66666667	-0.125000000	0.40000000
2540	-0.40000000	-0.071428571	0.00000000
2541	-0.10000000	-0.071428571	0.20707071
2542	-1.00000000	-0.187500000	0.00000000
2543	-0.70000000	-0.125000000	0.60000000
2544	-0.60000000	-0.050000000	0.00000000
2545	-0.16666667	-0.166666667	0.00000000
2546	-0.20000000	-0.050000000	0.00000000
2547	-0.50000000	-0.100000000	0.45454545
2548	-0.40000000	-0.100000000	0.00000000
2549	-0.16666667	-0.050000000	0.30000000
2550	-0.05000000	-0.050000000	0.30000000
2551	-0.18750000	-0.125000000	0.75000000
2552	-0.20000000	-0.100000000	1.00000000
2553	-0.80000000	-0.050000000	0.00000000
2554	0.00000000	0.000000000	0.50000000
2555	-0.40000000	-0.125000000	0.30833333
2556	-0.60000000	-0.050000000	0.00000000
2557	-1.00000000	-0.050000000	0.43333333
2558	-0.30000000	-0.250000000	0.00000000
2559	-0.50000000	-0.166666667	0.50000000
2560	-0.16666667	-0.100000000	1.00000000
2561	-0.12500000	-0.125000000	0.00000000
2562	-0.20000000	-0.125000000	0.45454545
2563	0.00000000	0.000000000	0.00000000
2564	-0.60000000	-0.100000000	0.45454545

	title_sentiment_polarity	abs_title_sentiment_polarity	shares	viral
1	-1.875000e-01	1.875000e-01	593	0
2	0.000000e+00	0.000000e+00	711	0
3	0.000000e+00	0.000000e+00	1500	1
4	0.000000e+00	0.000000e+00	1200	0
5	1.363636e-01	1.363636e-01	505	0
6	2.142857e-01	2.142857e-01	855	0
7	0.000000e+00	0.000000e+00	556	0
8	5.000000e-01	5.000000e-01	891	0
9	0.000000e+00	0.000000e+00	3600	1
10	0.000000e+00	0.000000e+00	710	0
11	0.000000e+00	0.000000e+00	2200	1
12	0.000000e+00	0.000000e+00	1900	1
13	-1.000000e+00	1.000000e+00	823	0
14	-1.000000e+00	1.000000e+00	10000	1
15	5.500000e-01	5.500000e-01	761	0
16	-2.500000e-01	2.500000e-01	1600	1
17	-1.000000e-01	1.000000e-01	13600	1
18	0.000000e+00	0.000000e+00	3100	1
19	-7.142857e-01	7.142857e-01	5700	1
20	0.000000e+00	0.000000e+00	17100	1

21	0.000000e+00	0.000000e+00	2800	1
22	0.000000e+00	0.000000e+00	598	0
23	0.000000e+00	0.000000e+00	445	0
24	4.000000e-01	4.000000e-01	1500	1
25	-4.000000e-01	4.000000e-01	852	0
26	4.000000e-01	4.000000e-01	783	0
27	0.000000e+00	0.000000e+00	1500	1
28	5.000000e-01	5.000000e-01	1800	1
29	0.000000e+00	0.000000e+00	462	0
30	5.000000e-01	5.000000e-01	425	0
31	0.000000e+00	0.000000e+00	3200	1
32	0.000000e+00	0.000000e+00	3900	1
33	0.000000e+00	0.000000e+00	480	0
34	1.000000e+00	1.000000e+00	573	0
35	0.000000e+00	0.000000e+00	3600	1
36	3.500000e-01	3.500000e-01	343	0
37	-6.000000e-01	6.000000e-01	7700	1
38	-5.000000e-01	5.000000e-01	2600	1
39	0.000000e+00	0.000000e+00	504	0
40	1.000000e-01	1.000000e-01	2100	1
41	0.000000e+00	0.000000e+00	1100	0
42	0.000000e+00	0.000000e+00	401	0
43	0.000000e+00	0.000000e+00	4200	1
44	-5.000000e-02	5.000000e-02	1200	0
45	0.000000e+00	0.000000e+00	1500	1
46	0.000000e+00	0.000000e+00	575	0
47	0.000000e+00	0.000000e+00	507	0
48	2.500000e-01	2.500000e-01	1200	0
49	0.000000e+00	0.000000e+00	695	0
50	0.000000e+00	0.000000e+00	1200	0
51	-4.000000e-01	4.000000e-01	4900	1
52	2.142857e-01	2.142857e-01	382	0
53	0.000000e+00	0.000000e+00	400	0
54	1.681818e-01	1.681818e-01	4600	1
55	2.500000e-01	2.500000e-01	2400	1
56	-1.000000e-01	1.000000e-01	1600	1
57	-5.000000e-01	5.000000e-01	1100	0
58	2.000000e-01	2.000000e-01	1300	0
59	1.363636e-01	1.363636e-01	819	0
60	1.363636e-01	1.363636e-01	585	0
61	0.000000e+00	0.000000e+00	536	0
62	0.000000e+00	0.000000e+00	834	0
63	2.500000e-01	2.500000e-01	645	0
64	3.333333e-02	3.333333e-02	598	0
65	0.000000e+00	0.000000e+00	217	0
66	-1.250000e-01	1.250000e-01	3200	1
67	-6.250000e-02	6.250000e-02	545	0
68	4.166667e-01	4.166667e-01	1800	1
69	5.000000e-01	5.000000e-01	1200	0
70	0.000000e+00	0.000000e+00	732	0
71	0.000000e+00	0.000000e+00	1200	0
72	0.000000e+00	0.000000e+00	2800	1
73	0.000000e+00	0.000000e+00	495	0
74	5.000000e-01	5.000000e-01	690	0

75	1.363636e-01	1.363636e-01	1300	0
76	0.000000e+00	0.000000e+00	552	0
77	1.363636e-01	1.363636e-01	631	0
78	0.000000e+00	0.000000e+00	4800	1
79	0.000000e+00	0.000000e+00	851	0
80	0.000000e+00	0.000000e+00	755	0
81	2.000000e-01	2.000000e-01	468	0
82	0.000000e+00	0.000000e+00	4600	1
83	0.000000e+00	0.000000e+00	1300	0
84	0.000000e+00	0.000000e+00	1200	0
85	0.000000e+00	0.000000e+00	1100	0
86	0.000000e+00	0.000000e+00	1500	1
87	-1.000000e-01	1.000000e-01	2400	1
88	3.333333e-01	3.333333e-01	1200	0
89	1.000000e-01	1.000000e-01	1700	1
90	4.000000e-01	4.000000e-01	1200	0
91	1.000000e-01	1.000000e-01	500	0
92	3.333333e-02	3.333333e-02	455	0
93	0.000000e+00	0.000000e+00	1100	0
94	0.000000e+00	0.000000e+00	459	0
95	0.000000e+00	0.000000e+00	1400	0
96	0.000000e+00	0.000000e+00	6400	1
97	-1.000000e+00	1.000000e+00	4800	1
98	-1.000000e-01	1.000000e-01	695	0
99	0.000000e+00	0.000000e+00	341	0
100	0.000000e+00	0.000000e+00	1900	1
101	-2.562500e-01	2.562500e-01	1200	0
102	2.500000e-01	2.500000e-01	450	0
103	0.000000e+00	0.000000e+00	663	0
104	0.000000e+00	0.000000e+00	302	0
105	0.000000e+00	0.000000e+00	971	0
106	0.000000e+00	0.000000e+00	1400	0
107	2.000000e-01	2.000000e-01	1000	0
108	0.000000e+00	0.000000e+00	1900	1
109	0.000000e+00	0.000000e+00	1100	0
110	0.000000e+00	0.000000e+00	1100	0
111	0.000000e+00	0.000000e+00	1500	1
112	0.000000e+00	0.000000e+00	2000	1
113	6.500000e-01	6.500000e-01	5700	1
114	5.000000e-01	5.000000e-01	7100	1
115	2.375000e-01	2.375000e-01	1200	0
116	0.000000e+00	0.000000e+00	705	0
117	2.500000e-01	2.500000e-01	1900	1
118	1.363636e-01	1.363636e-01	3800	1
119	1.777778e-01	1.777778e-01	2300	1
120	0.000000e+00	0.000000e+00	575	0
121	0.000000e+00	0.000000e+00	1800	1
122	1.000000e-01	1.000000e-01	1600	1
123	0.000000e+00	0.000000e+00	1900	1
124	0.000000e+00	0.000000e+00	5600	1
125	0.000000e+00	0.000000e+00	1500	1
126	2.142857e-01	2.142857e-01	9200	1
127	-6.000000e-01	6.000000e-01	1700	1
128	0.000000e+00	0.000000e+00	6000	1

129	0.000000e+00	0.000000e+00	752	0
130	5.000000e-01	5.000000e-01	19400	1
131	3.333333e-02	3.333333e-02	1700	1
132	0.000000e+00	0.000000e+00	1600	1
133	2.142857e-01	2.142857e-01	788	0
134	0.000000e+00	0.000000e+00	454	0
135	1.750000e-01	1.750000e-01	1100	0
136	0.000000e+00	0.000000e+00	2800	1
137	6.000000e-01	6.000000e-01	1600	1
138	6.333333e-01	6.333333e-01	2000	1
139	-4.000000e-01	4.000000e-01	412	0
140	0.000000e+00	0.000000e+00	1100	0
141	0.000000e+00	0.000000e+00	417	0
142	3.333333e-02	3.333333e-02	1600	1
143	0.000000e+00	0.000000e+00	2500	1
144	1.363636e-01	1.363636e-01	474	0
145	0.000000e+00	0.000000e+00	2100	1
146	0.000000e+00	0.000000e+00	513	0
147	0.000000e+00	0.000000e+00	10400	1
148	1.000000e+00	1.000000e+00	2200	1
149	0.000000e+00	0.000000e+00	5600	1
150	0.000000e+00	0.000000e+00	373	0
151	0.000000e+00	0.000000e+00	1000	0
152	-4.000000e-01	4.000000e-01	3200	1
153	0.000000e+00	0.000000e+00	657	0
154	1.363636e-01	1.363636e-01	2100	1
155	0.000000e+00	0.000000e+00	727	0
156	0.000000e+00	0.000000e+00	350	0
157	6.666667e-01	6.666667e-01	1900	1
158	0.000000e+00	0.000000e+00	1200	0
159	-3.000000e-01	3.000000e-01	2800	1
160	0.000000e+00	0.000000e+00	341	0
161	2.500000e-01	2.500000e-01	648	0
162	0.000000e+00	0.000000e+00	1300	0
163	-6.000000e-01	6.000000e-01	1000	0
164	3.000000e-01	3.000000e-01	1300	0
165	5.000000e-01	5.000000e-01	1700	1
166	0.000000e+00	0.000000e+00	4600	1
167	0.000000e+00	0.000000e+00	2700	1
168	0.000000e+00	0.000000e+00	1700	1
169	0.000000e+00	0.000000e+00	450	0
170	0.000000e+00	0.000000e+00	939	0
171	-8.000000e-01	8.000000e-01	1600	1
172	3.571429e-01	3.571429e-01	866	0
173	5.000000e-01	5.000000e-01	606	0
174	8.989899e-02	8.989899e-02	5000	1
175	0.000000e+00	0.000000e+00	11500	1
176	0.000000e+00	0.000000e+00	529	0
177	2.500000e-01	2.500000e-01	28000	1
178	2.321429e-01	2.321429e-01	1700	1
179	0.000000e+00	0.000000e+00	761	0
180	-3.500000e-01	3.500000e-01	958	0
181	0.000000e+00	0.000000e+00	904	0
182	0.000000e+00	0.000000e+00	1200	0

183	4.000000e-01	4.000000e-01	4500	1
184	2.000000e-01	2.000000e-01	1200	0
185	0.000000e+00	0.000000e+00	427	0
186	0.000000e+00	0.000000e+00	1300	0
187	0.000000e+00	0.000000e+00	3200	1
188	0.000000e+00	0.000000e+00	377	0
189	1.363636e-01	1.363636e-01	3400	1
190	5.000000e-01	5.000000e-01	972	0
191	0.000000e+00	0.000000e+00	979	0
192	6.250000e-02	6.250000e-02	737	0
193	-5.000000e-01	5.000000e-01	3800	1
194	0.000000e+00	0.000000e+00	396	0
195	0.000000e+00	0.000000e+00	1700	1
196	0.000000e+00	0.000000e+00	676	0
197	0.000000e+00	0.000000e+00	2900	1
198	0.000000e+00	0.000000e+00	2500	1
199	-1.000000e-01	1.000000e-01	1400	0
200	5.000000e-01	5.000000e-01	484	0
201	0.000000e+00	0.000000e+00	7500	1
202	1.363636e-01	1.363636e-01	441	0
203	0.000000e+00	0.000000e+00	922	0
204	0.000000e+00	0.000000e+00	473	0
205	2.666667e-01	2.666667e-01	3200	1
206	0.000000e+00	0.000000e+00	1600	1
207	-1.500000e-01	1.500000e-01	1300	0
208	1.363636e-01	1.363636e-01	1300	0
209	0.000000e+00	0.000000e+00	5600	1
210	0.000000e+00	0.000000e+00	8100	1
211	0.000000e+00	0.000000e+00	5500	1
212	4.333333e-01	4.333333e-01	3800	1
213	0.000000e+00	0.000000e+00	933	0
214	0.000000e+00	0.000000e+00	2500	1
215	0.000000e+00	0.000000e+00	1700	1
216	0.000000e+00	0.000000e+00	2400	1
217	-3.333333e-02	3.333333e-02	11400	1
218	0.000000e+00	0.000000e+00	308	0
219	0.000000e+00	0.000000e+00	1400	0
220	0.000000e+00	0.000000e+00	762	0
221	0.000000e+00	0.000000e+00	1200	0
222	0.000000e+00	0.000000e+00	657	0
223	0.000000e+00	0.000000e+00	1200	0
224	1.000000e-01	1.000000e-01	11800	1
225	4.000000e-01	4.000000e-01	2400	1
226	1.363636e-01	1.363636e-01	794	0
227	5.000000e-01	5.000000e-01	1500	1
228	0.000000e+00	0.000000e+00	1300	0
229	-1.500000e-01	1.500000e-01	1200	0
230	0.000000e+00	0.000000e+00	1900	1
231	0.000000e+00	0.000000e+00	1500	1
232	0.000000e+00	0.000000e+00	698	0
233	5.000000e-01	5.000000e-01	1100	0
234	0.000000e+00	0.000000e+00	742	0
235	0.000000e+00	0.000000e+00	2000	1
236	-7.500000e-01	7.500000e-01	1000	0

237	0.000000e+00	0.000000e+00	1500	1
238	0.000000e+00	0.000000e+00	1200	0
239	0.000000e+00	0.000000e+00	751	0
240	0.000000e+00	0.000000e+00	775	0
241	0.000000e+00	0.000000e+00	569	0
242	0.000000e+00	0.000000e+00	3000	1
243	0.000000e+00	0.000000e+00	1500	1
244	-3.000000e-01	3.000000e-01	1100	0
245	1.000000e-01	1.000000e-01	979	0
246	-2.500000e-01	2.500000e-01	802	0
247	0.000000e+00	0.000000e+00	2300	1
248	0.000000e+00	0.000000e+00	835	0
249	0.000000e+00	0.000000e+00	2000	1
250	7.000000e-01	7.000000e-01	12000	1
251	1.363636e-01	1.363636e-01	423	0
252	0.000000e+00	0.000000e+00	1000	0
253	0.000000e+00	0.000000e+00	1600	1
254	0.000000e+00	0.000000e+00	1400	0
255	1.363636e-01	1.363636e-01	2400	1
256	0.000000e+00	0.000000e+00	1200	0
257	0.000000e+00	0.000000e+00	1500	1
258	0.000000e+00	0.000000e+00	1400	0
259	0.000000e+00	0.000000e+00	1000	0
260	0.000000e+00	0.000000e+00	400	0
261	0.000000e+00	0.000000e+00	1700	1
262	1.000000e+00	1.000000e+00	3200	1
263	-2.500000e-01	2.500000e-01	1100	0
264	-3.000000e-01	3.000000e-01	4400	1
265	-2.000000e-01	2.000000e-01	1400	0
266	-8.333333e-02	8.333333e-02	924	0
267	0.000000e+00	0.000000e+00	1900	1
268	0.000000e+00	0.000000e+00	1300	0
269	0.000000e+00	0.000000e+00	1300	0
270	0.000000e+00	0.000000e+00	1800	1
271	-6.000000e-01	6.000000e-01	37400	1
272	0.000000e+00	0.000000e+00	18000	1
273	-1.250000e-01	1.250000e-01	2500	1
274	0.000000e+00	0.000000e+00	18200	1
275	1.363636e-01	1.363636e-01	924	0
276	0.000000e+00	0.000000e+00	730	0
277	1.363636e-01	1.363636e-01	3500	1
278	1.363636e-01	1.363636e-01	1900	1
279	0.000000e+00	0.000000e+00	614	0
280	0.000000e+00	0.000000e+00	2900	1
281	2.500000e-01	2.500000e-01	1600	1
282	3.750000e-01	3.750000e-01	1100	0
283	1.000000e-01	1.000000e-01	1100	0
284	0.000000e+00	0.000000e+00	2200	1
285	0.000000e+00	0.000000e+00	582	0
286	8.000000e-01	8.000000e-01	1000	0
287	-2.000000e-01	2.000000e-01	1700	1
288	-1.666667e-01	1.666667e-01	720	0
289	4.250000e-01	4.250000e-01	19800	1
290	0.000000e+00	0.000000e+00	1500	1

291	3.571429e-01	3.571429e-01	3000	1
292	-4.000000e-01	4.000000e-01	2500	1
293	0.000000e+00	0.000000e+00	4400	1
294	1.000000e-01	1.000000e-01	1400	0
295	0.000000e+00	0.000000e+00	1600	1
296	-3.166667e-01	3.166667e-01	2100	1
297	-5.000000e-01	5.000000e-01	1100	0
298	5.166667e-01	5.166667e-01	2100	1
299	4.000000e-01	4.000000e-01	840	0
300	0.000000e+00	0.000000e+00	1100	0
301	-2.500000e-01	2.500000e-01	1600	1
302	1.000000e-01	1.000000e-01	2100	1
303	0.000000e+00	0.000000e+00	2200	1
304	0.000000e+00	0.000000e+00	9000	1
305	5.000000e-01	5.000000e-01	622	0
306	2.142857e-01	2.142857e-01	1000	0
307	2.321429e-01	2.321429e-01	658	0
308	0.000000e+00	0.000000e+00	1400	0
309	2.500000e-01	2.500000e-01	1500	1
310	0.000000e+00	0.000000e+00	2300	1
311	1.000000e-01	1.000000e-01	5200	1
312	0.000000e+00	0.000000e+00	5300	1
313	4.000000e-01	4.000000e-01	1600	1
314	4.000000e-01	4.000000e-01	6300	1
315	5.000000e-01	5.000000e-01	2000	1
316	5.000000e-01	5.000000e-01	2300	1
317	0.000000e+00	0.000000e+00	1900	1
318	5.000000e-01	5.000000e-01	1700	1
319	5.000000e-01	5.000000e-01	1600	1
320	-7.000000e-01	7.000000e-01	1400	0
321	0.000000e+00	0.000000e+00	2100	1
322	0.000000e+00	0.000000e+00	3400	1
323	1.666667e-01	1.666667e-01	1000	0
324	0.000000e+00	0.000000e+00	1800	1
325	1.000000e+00	1.000000e+00	25200	1
326	2.142857e-01	2.142857e-01	15700	1
327	-7.500000e-02	7.500000e-02	1700	1
328	-2.500000e-01	2.500000e-01	2700	1
329	5.000000e-01	5.000000e-01	5400	1
330	5.000000e-01	5.000000e-01	1300	0
331	0.000000e+00	0.000000e+00	3800	1
332	1.000000e+00	1.000000e+00	7900	1
333	3.000000e-01	3.000000e-01	731	0
334	0.000000e+00	0.000000e+00	1900	1
335	0.000000e+00	0.000000e+00	3100	1
336	1.000000e-01	1.000000e-01	1900	1
337	6.000000e-01	6.000000e-01	9700	1
338	0.000000e+00	0.000000e+00	3400	1
339	3.000000e-01	3.000000e-01	894	0
340	3.500000e-01	3.500000e-01	1300	0
341	0.000000e+00	0.000000e+00	2100	1
342	2.500000e-01	2.500000e-01	12100	1
343	6.000000e-01	6.000000e-01	1400	0
344	0.000000e+00	0.000000e+00	3700	1

345	5.000000e-01	5.000000e-01	2200	1
346	0.000000e+00	0.000000e+00	1300	0
347	0.000000e+00	0.000000e+00	1600	1
348	0.000000e+00	0.000000e+00	1400	0
349	7.000000e-01	7.000000e-01	14300	1
350	3.500000e-01	3.500000e-01	33100	1
351	-1.000000e-01	1.000000e-01	3400	1
352	2.715909e-01	2.715909e-01	5400	1
353	0.000000e+00	0.000000e+00	5600	1
354	0.000000e+00	0.000000e+00	618	0
355	0.000000e+00	0.000000e+00	2300	1
356	0.000000e+00	0.000000e+00	8000	1
357	0.000000e+00	0.000000e+00	630	0
358	0.000000e+00	0.000000e+00	2900	1
359	1.363636e-01	1.363636e-01	5800	1
360	0.000000e+00	0.000000e+00	2000	1
361	-3.750000e-01	3.750000e-01	1900	1
362	-3.750000e-01	3.750000e-01	909	0
363	0.000000e+00	0.000000e+00	705	0
364	0.000000e+00	0.000000e+00	2700	1
365	-2.500000e-01	2.500000e-01	699	0
366	2.000000e-01	2.000000e-01	2100	1
367	1.250000e-01	1.250000e-01	1900	1
368	1.666667e-02	1.666667e-02	636	0
369	1.000000e+00	1.000000e+00	432	0
370	0.000000e+00	0.000000e+00	3000	1
371	0.000000e+00	0.000000e+00	621	0
372	5.000000e-01	5.000000e-01	5300	1
373	0.000000e+00	0.000000e+00	1600	1
374	2.000000e-01	2.000000e-01	1700	1
375	2.000000e-01	2.000000e-01	649	0
376	0.000000e+00	0.000000e+00	476	0
377	0.000000e+00	0.000000e+00	1300	0
378	0.000000e+00	0.000000e+00	1900	1
379	2.000000e-01	2.000000e-01	1700	1
380	6.500000e-01	6.500000e-01	1800	1
381	0.000000e+00	0.000000e+00	586	0
382	3.333333e-01	3.333333e-01	1100	0
383	0.000000e+00	0.000000e+00	992	0
384	2.000000e-01	2.000000e-01	950	0
385	-1.666667e-01	1.666667e-01	903	0
386	1.931818e-01	1.931818e-01	1500	1
387	0.000000e+00	0.000000e+00	1700	1
388	1.565657e-01	1.565657e-01	1600	1
389	3.000000e-01	3.000000e-01	1500	1
390	6.500000e-01	6.500000e-01	1200	0
391	0.000000e+00	0.000000e+00	1300	0
392	5.000000e-01	5.000000e-01	1300	0
393	3.000000e-01	3.000000e-01	862	0
394	0.000000e+00	0.000000e+00	1200	0
395	0.000000e+00	0.000000e+00	2600	1
396	0.000000e+00	0.000000e+00	4900	1
397	0.000000e+00	0.000000e+00	1900	1
398	0.000000e+00	0.000000e+00	2700	1

399	5.000000e-01	5.000000e-01	1100	0
400	-7.142857e-02	7.142857e-02	3000	1
401	0.000000e+00	0.000000e+00	727	0
402	0.000000e+00	0.000000e+00	1100	0
403	2.500000e-01	2.500000e-01	498	0
404	0.000000e+00	0.000000e+00	1300	0
405	-2.500000e-01	2.500000e-01	1300	0
406	1.000000e-01	1.000000e-01	1400	0
407	5.000000e-02	5.000000e-02	884	0
408	-4.000000e-01	4.000000e-01	1200	0
409	1.363636e-01	1.363636e-01	645	0
410	-2.780000e-17	2.780000e-17	429	0
411	3.333333e-02	3.333333e-02	39400	1
412	0.000000e+00	0.000000e+00	811	0
413	5.000000e-01	5.000000e-01	5200	1
414	0.000000e+00	0.000000e+00	756	0
415	0.000000e+00	0.000000e+00	498	0
416	3.333333e-02	3.333333e-02	2200	1
417	-5.000000e-01	5.000000e-01	1300	0
418	2.666667e-01	2.666667e-01	440	0
419	1.363636e-01	1.363636e-01	983	0
420	2.000000e-01	2.000000e-01	2800	1
421	2.000000e-01	2.000000e-01	1200	0
422	0.000000e+00	0.000000e+00	1300	0
423	0.000000e+00	0.000000e+00	423	0
424	1.363636e-01	1.363636e-01	735	0
425	3.000000e-01	3.000000e-01	1100	0
426	0.000000e+00	0.000000e+00	718	0
427	5.000000e-01	5.000000e-01	1400	0
428	5.000000e-01	5.000000e-01	1100	0
429	0.000000e+00	0.000000e+00	544	0
430	0.000000e+00	0.000000e+00	2400	1
431	0.000000e+00	0.000000e+00	6000	1
432	2.500000e-01	2.500000e-01	1200	0
433	0.000000e+00	0.000000e+00	2300	1
434	0.000000e+00	0.000000e+00	581	0
435	0.000000e+00	0.000000e+00	6800	1
436	0.000000e+00	0.000000e+00	752	0
437	5.000000e-02	5.000000e-02	866	0
438	-2.121212e-02	2.121212e-02	5000	1
439	0.000000e+00	0.000000e+00	1200	0
440	5.000000e-01	5.000000e-01	3200	1
441	5.000000e-01	5.000000e-01	442	0
442	1.777778e-01	1.777778e-01	2900	1
443	0.000000e+00	0.000000e+00	1100	0
444	-7.000000e-01	7.000000e-01	2200	1
445	0.000000e+00	0.000000e+00	1900	1
446	0.000000e+00	0.000000e+00	2400	1
447	-4.000000e-01	4.000000e-01	730	0
448	9.000000e-01	9.000000e-01	5900	1
449	0.000000e+00	0.000000e+00	458	0
450	0.000000e+00	0.000000e+00	2100	1
451	-3.000000e-01	3.000000e-01	1600	1
452	3.000000e-01	3.000000e-01	462	0

453	2.000000e-01	2.000000e-01	2500	1
454	1.363636e-01	1.363636e-01	1900	1
455	0.000000e+00	0.000000e+00	593	0
456	0.000000e+00	0.000000e+00	1300	0
457	1.000000e+00	1.000000e+00	5400	1
458	0.000000e+00	0.000000e+00	1100	0
459	1.363636e-01	1.363636e-01	3800	1
460	0.000000e+00	0.000000e+00	725	0
461	0.000000e+00	0.000000e+00	787	0
462	0.000000e+00	0.000000e+00	8900	1
463	1.363636e-01	1.363636e-01	5500	1
464	0.000000e+00	0.000000e+00	1900	1
465	-5.000000e-01	5.000000e-01	463	0
466	0.000000e+00	0.000000e+00	368	0
467	-1.000000e-01	1.000000e-01	1300	0
468	3.000000e-01	3.000000e-01	957	0
469	5.000000e-01	5.000000e-01	1200	0
470	-3.000000e-01	3.000000e-01	484	0
471	0.000000e+00	0.000000e+00	17100	1
472	0.000000e+00	0.000000e+00	2300	1
473	0.000000e+00	0.000000e+00	2300	1
474	2.000000e-01	2.000000e-01	3100	1
475	8.333333e-02	8.333333e-02	2400	1
476	-5.000000e-02	5.000000e-02	1100	0
477	0.000000e+00	0.000000e+00	568	0
478	7.000000e-01	7.000000e-01	4200	1
479	0.000000e+00	0.000000e+00	2200	1
480	0.000000e+00	0.000000e+00	968	0
481	0.000000e+00	0.000000e+00	1800	1
482	3.000000e-01	3.000000e-01	2000	1
483	0.000000e+00	0.000000e+00	768	0
484	3.000000e-01	3.000000e-01	635	0
485	0.000000e+00	0.000000e+00	1000	0
486	6.818182e-02	6.818182e-02	4800	1
487	0.000000e+00	0.000000e+00	685	0
488	0.000000e+00	0.000000e+00	1500	1
489	-1.500000e-01	1.500000e-01	6300	1
490	2.500000e-01	2.500000e-01	2000	1
491	0.000000e+00	0.000000e+00	902	0
492	-2.000000e-01	2.000000e-01	1200	0
493	0.000000e+00	0.000000e+00	1700	1
494	0.000000e+00	0.000000e+00	1000	0
495	5.000000e-01	5.000000e-01	824	0
496	0.000000e+00	0.000000e+00	5100	1
497	0.000000e+00	0.000000e+00	2500	1
498	1.000000e-01	1.000000e-01	2900	1
499	0.000000e+00	0.000000e+00	933	0
500	-3.000000e-01	3.000000e-01	480	0
501	0.000000e+00	0.000000e+00	3200	1
502	-1.875000e-01	1.875000e-01	1000	0
503	0.000000e+00	0.000000e+00	660	0
504	0.000000e+00	0.000000e+00	1800	1
505	0.000000e+00	0.000000e+00	2600	1
506	2.500000e-01	2.500000e-01	757	0

507	0.000000e+00	0.000000e+00	1300	0
508	0.000000e+00	0.000000e+00	514	0
509	0.000000e+00	0.000000e+00	2100	1
510	5.000000e-01	5.000000e-01	1200	0
511	0.000000e+00	0.000000e+00	1900	1
512	0.000000e+00	0.000000e+00	2600	1
513	0.000000e+00	0.000000e+00	615	0
514	0.000000e+00	0.000000e+00	504	0
515	0.000000e+00	0.000000e+00	1300	0
516	0.000000e+00	0.000000e+00	1400	0
517	-1.000000e-01	1.000000e-01	2200	1
518	5.000000e-01	5.000000e-01	1300	0
519	5.000000e-01	5.000000e-01	1400	0
520	1.111111e-02	1.111111e-02	2500	1
521	-2.500000e-01	2.500000e-01	1500	1
522	-6.000000e-01	6.000000e-01	416	0
523	0.000000e+00	0.000000e+00	900	0
524	3.000000e-01	3.000000e-01	529	0
525	0.000000e+00	0.000000e+00	354	0
526	0.000000e+00	0.000000e+00	483	0
527	0.000000e+00	0.000000e+00	575	0
528	4.958333e-01	4.958333e-01	1700	1
529	0.000000e+00	0.000000e+00	3400	1
530	0.000000e+00	0.000000e+00	10400	1
531	0.000000e+00	0.000000e+00	2500	1
532	0.000000e+00	0.000000e+00	1600	1
533	0.000000e+00	0.000000e+00	1200	0
534	0.000000e+00	0.000000e+00	2100	1
535	3.333333e-02	3.333333e-02	1200	0
536	4.000000e-01	4.000000e-01	6400	1
537	-5.000000e-01	5.000000e-01	17300	1
538	0.000000e+00	0.000000e+00	1300	0
539	0.000000e+00	0.000000e+00	1400	0
540	0.000000e+00	0.000000e+00	2100	1
541	6.000000e-01	6.000000e-01	1900	1
542	1.363636e-01	1.363636e-01	560	0
543	2.500000e-01	2.500000e-01	2900	1
544	0.000000e+00	0.000000e+00	1600	1
545	-3.833333e-01	3.833333e-01	11400	1
546	0.000000e+00	0.000000e+00	4500	1
547	0.000000e+00	0.000000e+00	782	0
548	1.363636e-01	1.363636e-01	1300	0
549	0.000000e+00	0.000000e+00	1200	0
550	0.000000e+00	0.000000e+00	811	0
551	0.000000e+00	0.000000e+00	2200	1
552	0.000000e+00	0.000000e+00	4100	1
553	0.000000e+00	0.000000e+00	1900	1
554	6.000000e-01	6.000000e-01	9100	1
555	6.818182e-02	6.818182e-02	1500	1
556	-8.333333e-02	8.333333e-02	3400	1
557	0.000000e+00	0.000000e+00	460	0
558	1.363636e-01	1.363636e-01	554	0
559	1.363636e-01	1.363636e-01	638	0
560	0.000000e+00	0.000000e+00	712	0

561	1.333333e-01	1.333333e-01	1500	1
562	-1.666667e-01	1.666667e-01	2200	1
563	2.000000e-01	2.000000e-01	438	0
564	0.000000e+00	0.000000e+00	3100	1
565	6.750000e-01	6.750000e-01	51900	1
566	0.000000e+00	0.000000e+00	935	0
567	0.000000e+00	0.000000e+00	832	0
568	0.000000e+00	0.000000e+00	804	0
569	0.000000e+00	0.000000e+00	3500	1
570	8.000000e-01	8.000000e-01	864	0
571	3.750000e-01	3.750000e-01	3000	1
572	0.000000e+00	0.000000e+00	1200	0
573	0.000000e+00	0.000000e+00	847	0
574	0.000000e+00	0.000000e+00	917	0
575	0.000000e+00	0.000000e+00	1200	0
576	0.000000e+00	0.000000e+00	673	0
577	0.000000e+00	0.000000e+00	938	0
578	0.000000e+00	0.000000e+00	358	0
579	0.000000e+00	0.000000e+00	1200	0
580	0.000000e+00	0.000000e+00	2100	1
581	-5.000000e-01	5.000000e-01	672	0
582	0.000000e+00	0.000000e+00	2300	1
583	2.500000e-01	2.500000e-01	1100	0
584	-1.000000e+00	1.000000e+00	1100	0
585	0.000000e+00	0.000000e+00	1100	0
586	6.818182e-02	6.818182e-02	1800	1
587	0.000000e+00	0.000000e+00	610	0
588	0.000000e+00	0.000000e+00	870	0
589	-1.250000e-01	1.250000e-01	835	0
590	0.000000e+00	0.000000e+00	1200	0
591	0.000000e+00	0.000000e+00	2400	1
592	0.000000e+00	0.000000e+00	1100	0
593	0.000000e+00	0.000000e+00	1300	0
594	0.000000e+00	0.000000e+00	793	0
595	7.000000e-01	7.000000e-01	3500	1
596	0.000000e+00	0.000000e+00	2500	1
597	1.000000e-01	1.000000e-01	704	0
598	0.000000e+00	0.000000e+00	4800	1
599	0.000000e+00	0.000000e+00	12300	1
600	1.000000e-01	1.000000e-01	833	0
601	0.000000e+00	0.000000e+00	4900	1
602	0.000000e+00	0.000000e+00	2900	1
603	0.000000e+00	0.000000e+00	844	0
604	0.000000e+00	0.000000e+00	744	0
605	0.000000e+00	0.000000e+00	1600	1
606	0.000000e+00	0.000000e+00	690	0
607	0.000000e+00	0.000000e+00	998	0
608	0.000000e+00	0.000000e+00	3300	1
609	0.000000e+00	0.000000e+00	1100	0
610	-1.333333e-01	1.333333e-01	1900	1
611	2.500000e-01	2.500000e-01	4000	1
612	0.000000e+00	0.000000e+00	2500	1
613	-7.000000e-01	7.000000e-01	5100	1
614	0.000000e+00	0.000000e+00	2900	1

615	1.363636e-01	1.363636e-01	802	0
616	0.000000e+00	0.000000e+00	1400	0
617	0.000000e+00	0.000000e+00	4200	1
618	1.363636e-01	1.363636e-01	875	0
619	0.000000e+00	0.000000e+00	1200	0
620	0.000000e+00	0.000000e+00	2000	1
621	1.518038e-01	1.518038e-01	5000	1
622	3.333333e-02	3.333333e-02	2100	1
623	0.000000e+00	0.000000e+00	715	0
624	0.000000e+00	0.000000e+00	1700	1
625	5.000000e-01	5.000000e-01	801	0
626	-2.250000e-01	2.250000e-01	4200	1
627	0.000000e+00	0.000000e+00	1900	1
628	-7.777778e-02	7.777778e-02	756	0
629	0.000000e+00	0.000000e+00	592	0
630	0.000000e+00	0.000000e+00	2600	1
631	0.000000e+00	0.000000e+00	1400	0
632	0.000000e+00	0.000000e+00	1100	0
633	0.000000e+00	0.000000e+00	1100	0
634	5.000000e-01	5.000000e-01	2300	1
635	2.000000e-01	2.000000e-01	1700	1
636	3.333333e-02	3.333333e-02	9100	1
637	0.000000e+00	0.000000e+00	5700	1
638	4.000000e-01	4.000000e-01	1800	1
639	1.250000e-01	1.250000e-01	7200	1
640	4.250000e-01	4.250000e-01	671	0
641	0.000000e+00	0.000000e+00	2200	1
642	1.363636e-01	1.363636e-01	1800	1
643	0.000000e+00	0.000000e+00	3500	1
644	0.000000e+00	0.000000e+00	2900	1
645	0.000000e+00	0.000000e+00	817	0
646	0.000000e+00	0.000000e+00	3400	1
647	0.000000e+00	0.000000e+00	1600	1
648	3.333333e-02	3.333333e-02	771	0
649	0.000000e+00	0.000000e+00	15800	1
650	1.363636e-01	1.363636e-01	794	0
651	0.000000e+00	0.000000e+00	465	0
652	9.000000e-01	9.000000e-01	2200	1
653	8.000000e-01	8.000000e-01	1700	1
654	3.333333e-01	3.333333e-01	577	0
655	5.000000e-02	5.000000e-02	17500	1
656	-2.500000e-01	2.500000e-01	1100	0
657	0.000000e+00	0.000000e+00	2200	1
658	6.000000e-01	6.000000e-01	536	0
659	5.500000e-01	5.500000e-01	1900	1
660	0.000000e+00	0.000000e+00	3300	1
661	-4.000000e-01	4.000000e-01	1300	0
662	6.666667e-02	6.666667e-02	5700	1
663	1.363636e-01	1.363636e-01	3100	1
664	0.000000e+00	0.000000e+00	701	0
665	-7.500000e-02	7.500000e-02	8000	1
666	0.000000e+00	0.000000e+00	3600	1
667	0.000000e+00	0.000000e+00	1300	0
668	0.000000e+00	0.000000e+00	2900	1

669	0.000000e+00	0.000000e+00	1200	0
670	0.000000e+00	0.000000e+00	2400	1
671	0.000000e+00	0.000000e+00	3700	1
672	5.000000e-01	5.000000e-01	1500	1
673	0.000000e+00	0.000000e+00	5800	1
674	2.500000e-01	2.500000e-01	721	0
675	6.818182e-02	6.818182e-02	2700	1
676	0.000000e+00	0.000000e+00	1700	1
677	0.000000e+00	0.000000e+00	3400	1
678	0.000000e+00	0.000000e+00	2200	1
679	0.000000e+00	0.000000e+00	1400	0
680	0.000000e+00	0.000000e+00	1000	0
681	3.333333e-02	3.333333e-02	2100	1
682	1.000000e-01	1.000000e-01	1200	0
683	0.000000e+00	0.000000e+00	1300	0
684	0.000000e+00	0.000000e+00	561	0
685	2.500000e-01	2.500000e-01	2200	1
686	0.000000e+00	0.000000e+00	715	0
687	0.000000e+00	0.000000e+00	2900	1
688	0.000000e+00	0.000000e+00	2800	1
689	1.000000e+00	1.000000e+00	1800	1
690	3.121212e-01	3.121212e-01	930	0
691	0.000000e+00	0.000000e+00	1200	0
692	1.363636e-01	1.363636e-01	1100	0
693	0.000000e+00	0.000000e+00	1500	1
694	2.000000e-01	2.000000e-01	1500	1
695	2.928571e-01	2.928571e-01	1200	0
696	4.000000e-01	4.000000e-01	1800	1
697	6.000000e-01	6.000000e-01	1900	1
698	0.000000e+00	0.000000e+00	1500	1
699	2.857143e-01	2.857143e-01	1200	0
700	0.000000e+00	0.000000e+00	2000	1
701	1.363636e-01	1.363636e-01	2200	1
702	0.000000e+00	0.000000e+00	1200	0
703	2.500000e-01	2.500000e-01	1100	0
704	0.000000e+00	0.000000e+00	2700	1
705	-2.000000e-01	2.000000e-01	2600	1
706	2.142857e-01	2.142857e-01	1300	0
707	0.000000e+00	0.000000e+00	3000	1
708	0.000000e+00	0.000000e+00	1900	1
709	0.000000e+00	0.000000e+00	7700	1
710	5.000000e-01	5.000000e-01	1300	0
711	0.000000e+00	0.000000e+00	2300	1
712	2.000000e-01	2.000000e-01	3200	1
713	0.000000e+00	0.000000e+00	3100	1
714	0.000000e+00	0.000000e+00	2400	1
715	0.000000e+00	0.000000e+00	3800	1
716	0.000000e+00	0.000000e+00	2600	1
717	-1.000000e+00	1.000000e+00	3500	1
718	0.000000e+00	0.000000e+00	2800	1
719	-5.000000e-02	5.000000e-02	7800	1
720	0.000000e+00	0.000000e+00	7800	1
721	0.000000e+00	0.000000e+00	2000	1
722	5.000000e-01	5.000000e-01	5800	1

723	6.000000e-01	6.000000e-01	2200	1
724	0.000000e+00	0.000000e+00	9800	1
725	0.000000e+00	0.000000e+00	1700	1
726	1.000000e-01	1.000000e-01	3900	1
727	0.000000e+00	0.000000e+00	4200	1
728	1.000000e-01	1.000000e-01	1600	1
729	7.500000e-01	7.500000e-01	3500	1
730	0.000000e+00	0.000000e+00	2600	1
731	5.000000e-01	5.000000e-01	2000	1
732	0.000000e+00	0.000000e+00	1600	1
733	0.000000e+00	0.000000e+00	17600	1
734	0.000000e+00	0.000000e+00	767	0
735	1.363636e-01	1.363636e-01	4400	1
736	0.000000e+00	0.000000e+00	1300	0
737	5.000000e-01	5.000000e-01	2800	1
738	7.000000e-01	7.000000e-01	2000	1
739	0.000000e+00	0.000000e+00	5700	1
740	0.000000e+00	0.000000e+00	2200	1
741	0.000000e+00	0.000000e+00	1600	1
742	-2.222222e-02	2.222222e-02	2100	1
743	0.000000e+00	0.000000e+00	1700	1
744	0.000000e+00	0.000000e+00	827	0
745	0.000000e+00	0.000000e+00	2500	1
746	0.000000e+00	0.000000e+00	2500	1
747	0.000000e+00	0.000000e+00	764	0
748	0.000000e+00	0.000000e+00	1100	0
749	0.000000e+00	0.000000e+00	4000	1
750	0.000000e+00	0.000000e+00	2900	1
751	1.666667e-02	1.666667e-02	1100	0
752	1.363636e-01	1.363636e-01	423	0
753	0.000000e+00	0.000000e+00	1000	0
754	0.000000e+00	0.000000e+00	2100	1
755	0.000000e+00	0.000000e+00	2200	1
756	-1.250000e-01	1.250000e-01	703	0
757	4.000000e-01	4.000000e-01	1000	0
758	0.000000e+00	0.000000e+00	1900	1
759	2.500000e-01	2.500000e-01	863	0
760	0.000000e+00	0.000000e+00	1100	0
761	2.500000e-01	2.500000e-01	1400	0
762	0.000000e+00	0.000000e+00	1900	1
763	0.000000e+00	0.000000e+00	3700	1
764	0.000000e+00	0.000000e+00	799	0
765	0.000000e+00	0.000000e+00	3700	1
766	0.000000e+00	0.000000e+00	1600	1
767	0.000000e+00	0.000000e+00	2000	1
768	0.000000e+00	0.000000e+00	1600	1
769	0.000000e+00	0.000000e+00	2100	1
770	0.000000e+00	0.000000e+00	1300	0
771	5.000000e-01	5.000000e-01	1100	0
772	0.000000e+00	0.000000e+00	1800	1
773	-4.000000e-01	4.000000e-01	3200	1
774	5.000000e-01	5.000000e-01	800	0
775	-5.000000e-02	5.000000e-02	1500	1
776	5.000000e-01	5.000000e-01	1100	0

777	4.000000e-01	4.000000e-01	900	0
778	5.000000e-02	5.000000e-02	1100	0
779	1.363636e-01	1.363636e-01	1100	0
780	0.000000e+00	0.000000e+00	1600	1
781	0.000000e+00	0.000000e+00	1600	1
782	0.000000e+00	0.000000e+00	2100	1
783	1.000000e-01	1.000000e-01	2700	1
784	2.500000e-01	2.500000e-01	950	0
785	0.000000e+00	0.000000e+00	1400	0
786	0.000000e+00	0.000000e+00	971	0
787	4.166667e-01	4.166667e-01	872	0
788	0.000000e+00	0.000000e+00	1700	1
789	0.000000e+00	0.000000e+00	657	0
790	0.000000e+00	0.000000e+00	1100	0
791	1.000000e+00	1.000000e+00	2800	1
792	0.000000e+00	0.000000e+00	1700	1
793	0.000000e+00	0.000000e+00	718	0
794	-7.000000e-01	7.000000e-01	4500	1
795	0.000000e+00	0.000000e+00	1800	1
796	-1.250000e-01	1.250000e-01	533	0
797	0.000000e+00	0.000000e+00	6800	1
798	1.363636e-01	1.363636e-01	1200	0
799	0.000000e+00	0.000000e+00	2000	1
800	0.000000e+00	0.000000e+00	6500	1
801	4.333333e-01	4.333333e-01	3100	1
802	1.410714e-01	1.410714e-01	987	0
803	0.000000e+00	0.000000e+00	6700	1
804	0.000000e+00	0.000000e+00	4100	1
805	5.000000e-01	5.000000e-01	428	0
806	1.250000e-01	1.250000e-01	1500	1
807	5.000000e-01	5.000000e-01	1500	1
808	0.000000e+00	0.000000e+00	2100	1
809	1.000000e-01	1.000000e-01	1500	1
810	0.000000e+00	0.000000e+00	936	0
811	6.818182e-02	6.818182e-02	1200	0
812	7.000000e-01	7.000000e-01	5300	1
813	8.000000e-02	8.000000e-02	860	0
814	4.000000e-01	4.000000e-01	4600	1
815	0.000000e+00	0.000000e+00	925	0
816	2.000000e-01	2.000000e-01	11900	1
817	0.000000e+00	0.000000e+00	1700	1
818	-1.218750e-01	1.218750e-01	940	0
819	0.000000e+00	0.000000e+00	560	0
820	0.000000e+00	0.000000e+00	2600	1
821	1.000000e+00	1.000000e+00	1500	1
822	0.000000e+00	0.000000e+00	866	0
823	1.600000e-01	1.600000e-01	1200	0
824	-4.000000e-01	4.000000e-01	6000	1
825	2.500000e-01	2.500000e-01	1300	0
826	1.363636e-01	1.363636e-01	2100	1
827	1.777778e-01	1.777778e-01	1400	0
828	0.000000e+00	0.000000e+00	583	0
829	0.000000e+00	0.000000e+00	1200	0
830	0.000000e+00	0.000000e+00	3000	1

831	1.000000e-01	1.000000e-01	1100	0
832	0.000000e+00	0.000000e+00	6500	1
833	4.166667e-02	4.166667e-02	1200	0
834	1.000000e-01	1.000000e-01	751	0
835	0.000000e+00	0.000000e+00	741	0
836	2.500000e-01	2.500000e-01	2100	1
837	0.000000e+00	0.000000e+00	1800	1
838	1.666667e-02	1.666667e-02	1600	1
839	7.000000e-01	7.000000e-01	635	0
840	0.000000e+00	0.000000e+00	589	0
841	0.000000e+00	0.000000e+00	1100	0
842	−5.000000e-02	5.000000e-02	473	0
843	−5.000000e-01	5.000000e-01	1200	0
844	0.000000e+00	0.000000e+00	1100	0
845	5.000000e-01	5.000000e-01	1500	1
846	3.333333e-01	3.333333e-01	1000	0
847	0.000000e+00	0.000000e+00	532	0
848	0.000000e+00	0.000000e+00	1400	0
849	0.000000e+00	0.000000e+00	1100	0
850	2.000000e-01	2.000000e-01	510	0
851	3.000000e-01	3.000000e-01	342	0
852	3.000000e-01	3.000000e-01	1700	1
853	1.000000e+00	1.000000e+00	2700	1
854	0.000000e+00	0.000000e+00	1900	1
855	1.000000e-01	1.000000e-01	22000	1
856	0.000000e+00	0.000000e+00	503	0
857	0.000000e+00	0.000000e+00	2800	1
858	1.363636e-01	1.363636e-01	1100	0
859	0.000000e+00	0.000000e+00	522	0
860	1.600000e-01	1.600000e-01	1100	0
861	2.500000e-01	2.500000e-01	1500	1
862	1.363636e-01	1.363636e-01	2000	1
863	0.000000e+00	0.000000e+00	1900	1
864	0.000000e+00	0.000000e+00	5500	1
865	0.000000e+00	0.000000e+00	1200	0
866	0.000000e+00	0.000000e+00	4600	1
867	−1.250000e-01	1.250000e-01	823	0
868	0.000000e+00	0.000000e+00	1800	1
869	−9.285714e-02	9.285714e-02	5600	1
870	0.000000e+00	0.000000e+00	2500	1
871	0.000000e+00	0.000000e+00	1900	1
872	3.375000e-01	3.375000e-01	689	0
873	0.000000e+00	0.000000e+00	1100	0
874	5.000000e-01	5.000000e-01	3700	1
875	0.000000e+00	0.000000e+00	1200	0
876	5.000000e-01	5.000000e-01	952	0
877	2.000000e-01	2.000000e-01	300	0
878	0.000000e+00	0.000000e+00	2600	1
879	−7.000000e-01	7.000000e-01	1300	0
880	0.000000e+00	0.000000e+00	1500	1
881	4.500000e-01	4.500000e-01	1900	1
882	0.000000e+00	0.000000e+00	1000	0
883	1.000000e-01	1.000000e-01	1500	1
884	0.000000e+00	0.000000e+00	1000	0

885	−1.666667e-01	1.666667e-01	1000	0
886	5.000000e-01	5.000000e-01	3200	1
887	−4.000000e-01	4.000000e-01	1200	0
888	4.000000e-01	4.000000e-01	2500	1
889	0.000000e+00	0.000000e+00	1900	1
890	0.000000e+00	0.000000e+00	2800	1
891	0.000000e+00	0.000000e+00	2700	1
892	0.000000e+00	0.000000e+00	956	0
893	−4.444444e-02	4.444444e-02	1000	0
894	−5.000000e-01	5.000000e-01	2500	1
895	1.931818e-01	1.931818e-01	915	0
896	0.000000e+00	0.000000e+00	2000	1
897	0.000000e+00	0.000000e+00	864	0
898	2.142857e-01	2.142857e-01	4100	1
899	6.666667e-01	6.666667e-01	910	0
900	1.600000e-01	1.600000e-01	790	0
901	0.000000e+00	0.000000e+00	623	0
902	0.000000e+00	0.000000e+00	548	0
903	0.000000e+00	0.000000e+00	1400	0
904	1.000000e-01	1.000000e-01	1100	0
905	0.000000e+00	0.000000e+00	508	0
906	−1.250000e-01	1.250000e-01	1800	1
907	1.363636e-01	1.363636e-01	909	0
908	0.000000e+00	0.000000e+00	999	0
909	−4.833333e-01	4.833333e-01	2100	1
910	−6.500000e-02	6.500000e-02	825	0
911	3.500000e-01	3.500000e-01	2400	1
912	1.363636e-01	1.363636e-01	1300	0
913	0.000000e+00	0.000000e+00	2100	1
914	−2.916667e-01	2.916667e-01	2000	1
915	0.000000e+00	0.000000e+00	2600	1
916	5.000000e-01	5.000000e-01	1100	0
917	5.000000e-01	5.000000e-01	2700	1
918	0.000000e+00	0.000000e+00	1700	1
919	2.000000e-01	2.000000e-01	3000	1
920	0.000000e+00	0.000000e+00	2500	1
921	−1.250000e-01	1.250000e-01	1900	1
922	0.000000e+00	0.000000e+00	10200	1
923	0.000000e+00	0.000000e+00	603	0
924	0.000000e+00	0.000000e+00	1500	1
925	0.000000e+00	0.000000e+00	1200	0
926	0.000000e+00	0.000000e+00	957	0
927	0.000000e+00	0.000000e+00	899	0
928	0.000000e+00	0.000000e+00	1200	0
929	3.333333e-01	3.333333e-01	1700	1
930	2.500000e-01	2.500000e-01	1000	0
931	0.000000e+00	0.000000e+00	8200	1
932	2.500000e-01	2.500000e-01	1500	1
933	1.363636e-01	1.363636e-01	683	0
934	0.000000e+00	0.000000e+00	1800	1
935	0.000000e+00	0.000000e+00	371	0
936	0.000000e+00	0.000000e+00	1500	1
937	−3.277778e-01	3.277778e-01	7400	1
938	−1.250000e-01	1.250000e-01	2700	1

939	1.363636e-01	1.363636e-01	375	0
940	7.000000e-01	7.000000e-01	799	0
941	-7.777778e-02	7.777778e-02	445	0
942	0.000000e+00	0.000000e+00	837	0
943	6.590909e-02	6.590909e-02	978	0
944	0.000000e+00	0.000000e+00	2000	1
945	1.000000e-01	1.000000e-01	1200	0
946	2.142857e-01	2.142857e-01	1500	1
947	1.000000e-01	1.000000e-01	929	0
948	1.931818e-01	1.931818e-01	1200	0
949	6.000000e-01	6.000000e-01	1500	1
950	0.000000e+00	0.000000e+00	1100	0
951	0.000000e+00	0.000000e+00	513	0
952	0.000000e+00	0.000000e+00	730	0
953	1.777778e-01	1.777778e-01	560	0
954	1.666667e-02	1.666667e-02	8300	1
955	4.333333e-01	4.333333e-01	8300	1
956	2.500000e-01	2.500000e-01	740	0
957	-3.333333e-02	3.333333e-02	581	0
958	0.000000e+00	0.000000e+00	556	0
959	0.000000e+00	0.000000e+00	730	0
960	2.000000e-01	2.000000e-01	775	0
961	0.000000e+00	0.000000e+00	518	0
962	0.000000e+00	0.000000e+00	3100	1
963	0.000000e+00	0.000000e+00	4700	1
964	2.500000e-01	2.500000e-01	1700	1
965	2.000000e-01	2.000000e-01	1900	1
966	0.000000e+00	0.000000e+00	886	0
967	0.000000e+00	0.000000e+00	2100	1
968	1.000000e-01	1.000000e-01	1300	0
969	1.363636e-01	1.363636e-01	3900	1
970	-5.000000e-01	5.000000e-01	39200	1
971	1.000000e-01	1.000000e-01	876	0
972	2.142857e-01	2.142857e-01	1800	1
973	4.000000e-01	4.000000e-01	1100	0
974	0.000000e+00	0.000000e+00	755	0
975	1.363636e-01	1.363636e-01	6000	1
976	3.333333e-02	3.333333e-02	1800	1
977	-2.000000e-01	2.000000e-01	555	0
978	2.500000e-01	2.500000e-01	13800	1
979	-1.250000e-01	1.250000e-01	447	0
980	0.000000e+00	0.000000e+00	4400	1
981	0.000000e+00	0.000000e+00	1700	1
982	1.111111e-02	1.111111e-02	1000	0
983	1.333333e-01	1.333333e-01	1900	1
984	0.000000e+00	0.000000e+00	902	0
985	0.000000e+00	0.000000e+00	1100	0
986	5.000000e-01	5.000000e-01	1000	0
987	1.000000e+00	1.000000e+00	1600	1
988	0.000000e+00	0.000000e+00	9500	1
989	0.000000e+00	0.000000e+00	1300	0
990	-1.250000e-02	1.250000e-02	949	0
991	0.000000e+00	0.000000e+00	405	0
992	-1.555556e-01	1.555556e-01	2100	1

993	0.000000e+00	0.000000e+00	1500	1
994	−1.555556e−01	1.555556e−01	2300	1
995	0.000000e+00	0.000000e+00	4000	1
996	0.000000e+00	0.000000e+00	785	0
997	3.333333e−02	3.333333e−02	2400	1
998	3.500000e−01	3.500000e−01	2300	1
999	0.000000e+00	0.000000e+00	5200	1
1000	−2.000000e−01	2.000000e−01	3800	1
1001	0.000000e+00	0.000000e+00	431	0
1002	0.000000e+00	0.000000e+00	3600	1
1003	0.000000e+00	0.000000e+00	2500	1
1004	3.333333e−01	3.333333e−01	515	0
1005	0.000000e+00	0.000000e+00	537	0
1006	0.000000e+00	0.000000e+00	668	0
1007	3.571429e−01	3.571429e−01	5000	1
1008	2.000000e−01	2.000000e−01	3400	1
1009	1.363636e−01	1.363636e−01	471	0
1010	−1.000000e−01	1.000000e−01	1200	0
1011	4.750000e−01	4.750000e−01	527	0
1012	−1.666667e−02	1.666667e−02	1400	0
1013	2.500000e−01	2.500000e−01	632	0
1014	0.000000e+00	0.000000e+00	998	0
1015	0.000000e+00	0.000000e+00	400	0
1016	0.000000e+00	0.000000e+00	1000	0
1017	2.500000e−01	2.500000e−01	2700	1
1018	2.250000e−01	2.250000e−01	2200	1
1019	−8.333333e−02	8.333333e−02	3300	1
1020	0.000000e+00	0.000000e+00	1200	0
1021	0.000000e+00	0.000000e+00	1700	1
1022	3.500000e−01	3.500000e−01	1300	0
1023	0.000000e+00	0.000000e+00	482	0
1024	0.000000e+00	0.000000e+00	1300	0
1025	0.000000e+00	0.000000e+00	2100	1
1026	−1.666667e−01	1.666667e−01	1600	1
1027	0.000000e+00	0.000000e+00	2700	1
1028	0.000000e+00	0.000000e+00	1300	0
1029	1.416667e−01	1.416667e−01	2000	1
1030	4.166667e−01	4.166667e−01	2000	1
1031	3.916667e−01	3.916667e−01	4400	1
1032	3.333333e−01	3.333333e−01	3900	1
1033	2.916667e−01	2.916667e−01	8100	1
1034	0.000000e+00	0.000000e+00	1400	0
1035	0.000000e+00	0.000000e+00	2500	1
1036	0.000000e+00	0.000000e+00	3100	1
1037	2.500000e−01	2.500000e−01	2100	1
1038	5.000000e−01	5.000000e−01	1800	1
1039	0.000000e+00	0.000000e+00	1200	0
1040	0.000000e+00	0.000000e+00	1700	1
1041	0.000000e+00	0.000000e+00	2700	1
1042	9.000000e−01	9.000000e−01	1200	0
1043	0.000000e+00	0.000000e+00	5700	1
1044	5.000000e−01	5.000000e−01	606	0
1045	6.000000e−01	6.000000e−01	10700	1
1046	8.484849e−02	8.484849e−02	1000	0

1047	0.000000e+00	0.000000e+00	735	0
1048	0.000000e+00	0.000000e+00	1500	1
1049	0.000000e+00	0.000000e+00	763	0
1050	8.500000e-01	8.500000e-01	9700	1
1051	2.500000e-01	2.500000e-01	3800	1
1052	0.000000e+00	0.000000e+00	532	0
1053	-4.375000e-02	4.375000e-02	811	0
1054	5.000000e-01	5.000000e-01	3200	1
1055	0.000000e+00	0.000000e+00	942	0
1056	0.000000e+00	0.000000e+00	1400	0
1057	0.000000e+00	0.000000e+00	731	0
1058	2.916667e-01	2.916667e-01	4800	1
1059	-5.000000e-01	5.000000e-01	2700	1
1060	0.000000e+00	0.000000e+00	11800	1
1061	7.500000e-01	7.500000e-01	3400	1
1062	0.000000e+00	0.000000e+00	3300	1
1063	0.000000e+00	0.000000e+00	4500	1
1064	2.500000e-02	2.500000e-02	4300	1
1065	3.333333e-01	3.333333e-01	1500	1
1066	3.666667e-01	3.666667e-01	4300	1
1067	-1.250000e-01	1.250000e-01	614	0
1068	0.000000e+00	0.000000e+00	3500	1
1069	0.000000e+00	0.000000e+00	2600	1
1070	0.000000e+00	0.000000e+00	3900	1
1071	0.000000e+00	0.000000e+00	3100	1
1072	0.000000e+00	0.000000e+00	1600	1
1073	0.000000e+00	0.000000e+00	928	0
1074	0.000000e+00	0.000000e+00	4100	1
1075	0.000000e+00	0.000000e+00	7000	1
1076	0.000000e+00	0.000000e+00	921	0
1077	3.333333e-02	3.333333e-02	1800	1
1078	4.000000e-01	4.000000e-01	2100	1
1079	0.000000e+00	0.000000e+00	856	0
1080	0.000000e+00	0.000000e+00	2700	1
1081	2.500000e-01	2.500000e-01	2700	1
1082	-6.000000e-01	6.000000e-01	2500	1
1083	6.250000e-02	6.250000e-02	1100	0
1084	2.000000e-01	2.000000e-01	1200	0
1085	0.000000e+00	0.000000e+00	2100	1
1086	1.000000e+00	1.000000e+00	1200	0
1087	3.750000e-01	3.750000e-01	931	0
1088	0.000000e+00	0.000000e+00	2700	1
1089	1.000000e+00	1.000000e+00	2300	1
1090	2.500000e-01	2.500000e-01	475	0
1091	0.000000e+00	0.000000e+00	574	0
1092	5.000000e-01	5.000000e-01	4700	1
1093	0.000000e+00	0.000000e+00	1100	0
1094	0.000000e+00	0.000000e+00	1400	0
1095	1.000000e-01	1.000000e-01	1200	0
1096	5.000000e-01	5.000000e-01	3200	1
1097	0.000000e+00	0.000000e+00	1500	1
1098	4.333333e-01	4.333333e-01	538	0
1099	0.000000e+00	0.000000e+00	1100	0
1100	0.000000e+00	0.000000e+00	661	0

1101	5.000000e-01	5.000000e-01	535	0
1102	0.000000e+00	0.000000e+00	1300	0
1103	-5.000000e-01	5.000000e-01	1200	0
1104	1.363636e-01	1.363636e-01	705	0
1105	2.000000e-01	2.000000e-01	521	0
1106	0.000000e+00	0.000000e+00	1300	0
1107	0.000000e+00	0.000000e+00	1600	1
1108	0.000000e+00	0.000000e+00	3800	1
1109	0.000000e+00	0.000000e+00	1000	0
1110	0.000000e+00	0.000000e+00	8000	1
1111	0.000000e+00	0.000000e+00	1400	0
1112	0.000000e+00	0.000000e+00	2500	1
1113	0.000000e+00	0.000000e+00	1100	0
1114	0.000000e+00	0.000000e+00	1600	1
1115	0.000000e+00	0.000000e+00	1300	0
1116	0.000000e+00	0.000000e+00	10800	1
1117	0.000000e+00	0.000000e+00	2000	1
1118	4.500000e-01	4.500000e-01	9800	1
1119	0.000000e+00	0.000000e+00	2200	1
1120	1.000000e+00	1.000000e+00	2900	1
1121	2.500000e-01	2.500000e-01	1300	0
1122	3.333333e-02	3.333333e-02	6800	1
1123	0.000000e+00	0.000000e+00	4900	1
1124	1.000000e+00	1.000000e+00	2200	1
1125	1.000000e+00	1.000000e+00	30000	1
1126	0.000000e+00	0.000000e+00	6200	1
1127	7.777778e-02	7.777778e-02	5600	1
1128	0.000000e+00	0.000000e+00	5200	1
1129	0.000000e+00	0.000000e+00	3900	1
1130	0.000000e+00	0.000000e+00	2300	1
1131	0.000000e+00	0.000000e+00	2700	1
1132	0.000000e+00	0.000000e+00	2800	1
1133	0.000000e+00	0.000000e+00	6300	1
1134	0.000000e+00	0.000000e+00	1300	0
1135	5.000000e-01	5.000000e-01	1400	0
1136	-1.000000e+00	1.000000e+00	2400	1
1137	0.000000e+00	0.000000e+00	1700	1
1138	2.500000e-01	2.500000e-01	5900	1
1139	0.000000e+00	0.000000e+00	3800	1
1140	1.753247e-01	1.753247e-01	3100	1
1141	0.000000e+00	0.000000e+00	1100	0
1142	-7.000000e-01	7.000000e-01	2400	1
1143	4.500000e-01	4.500000e-01	3000	1
1144	2.166667e-01	2.166667e-01	1400	0
1145	6.000000e-01	6.000000e-01	8200	1
1146	7.500000e-01	7.500000e-01	2200	1
1147	5.000000e-01	5.000000e-01	2700	1
1148	0.000000e+00	0.000000e+00	4300	1
1149	1.166667e-01	1.166667e-01	1500	1
1150	0.000000e+00	0.000000e+00	6400	1
1151	0.000000e+00	0.000000e+00	1100	0
1152	0.000000e+00	0.000000e+00	5900	1
1153	0.000000e+00	0.000000e+00	4600	1
1154	5.000000e-01	5.000000e-01	1300	0

1155	0.000000e+00	0.000000e+00	6100	1
1156	1.000000e-01	1.000000e-01	1400	0
1157	0.000000e+00	0.000000e+00	2800	1
1158	7.000000e-01	7.000000e-01	2200	1
1159	0.000000e+00	0.000000e+00	1500	1
1160	1.666667e-01	1.666667e-01	6300	1
1161	5.000000e-01	5.000000e-01	4800	1
1162	0.000000e+00	0.000000e+00	1100	0
1163	8.000000e-02	8.000000e-02	1300	0
1164	1.000000e+00	1.000000e+00	1800	1
1165	2.000000e-01	2.000000e-01	4300	1
1166	0.000000e+00	0.000000e+00	1200	0
1167	-4.000000e-01	4.000000e-01	8500	1
1168	0.000000e+00	0.000000e+00	776	0
1169	0.000000e+00	0.000000e+00	1200	0
1170	0.000000e+00	0.000000e+00	1600	1
1171	0.000000e+00	0.000000e+00	742	0
1172	2.000000e-01	2.000000e-01	469	0
1173	0.000000e+00	0.000000e+00	414	0
1174	3.000000e-01	3.000000e-01	2500	1
1175	0.000000e+00	0.000000e+00	1200	0
1176	0.000000e+00	0.000000e+00	1000	0
1177	3.500000e-01	3.500000e-01	1800	1
1178	-4.000000e-01	4.000000e-01	506	0
1179	5.000000e-01	5.000000e-01	8100	1
1180	0.000000e+00	0.000000e+00	2700	1
1181	0.000000e+00	0.000000e+00	2000	1
1182	5.000000e-01	5.000000e-01	590	0
1183	0.000000e+00	0.000000e+00	565	0
1184	-1.000000e+00	1.000000e+00	2400	1
1185	0.000000e+00	0.000000e+00	1400	0
1186	8.000000e-01	8.000000e-01	1100	0
1187	-1.555556e-01	1.555556e-01	1200	0
1188	0.000000e+00	0.000000e+00	4300	1
1189	2.000000e-01	2.000000e-01	3400	1
1190	0.000000e+00	0.000000e+00	3000	1
1191	2.500000e-01	2.500000e-01	357	0
1192	2.000000e-01	2.000000e-01	6700	1
1193	1.363636e-01	1.363636e-01	566	0
1194	0.000000e+00	0.000000e+00	1400	0
1195	-7.777778e-02	7.777778e-02	874	0
1196	0.000000e+00	0.000000e+00	2000	1
1197	-5.000000e-02	5.000000e-02	2800	1
1198	0.000000e+00	0.000000e+00	460	0
1199	0.000000e+00	0.000000e+00	2700	1
1200	5.000000e-01	5.000000e-01	1700	1
1201	2.500000e-01	2.500000e-01	3000	1
1202	-6.000000e-01	6.000000e-01	706	0
1203	1.666667e-01	1.666667e-01	583	0
1204	2.000000e-01	2.000000e-01	1300	0
1205	5.000000e-02	5.000000e-02	830	0
1206	1.363636e-01	1.363636e-01	2000	1
1207	0.000000e+00	0.000000e+00	7100	1
1208	-3.888889e-01	3.888889e-01	294	0

1209	-1.250000e-01	1.250000e-01	349	0
1210	0.000000e+00	0.000000e+00	4400	1
1211	0.000000e+00	0.000000e+00	507	0
1212	0.000000e+00	0.000000e+00	542	0
1213	1.363636e-01	1.363636e-01	2400	1
1214	1.000000e-01	1.000000e-01	688	0
1215	6.666667e-02	6.666667e-02	1900	1
1216	0.000000e+00	0.000000e+00	30200	1
1217	0.000000e+00	0.000000e+00	2000	1
1218	0.000000e+00	0.000000e+00	1300	0
1219	0.000000e+00	0.000000e+00	907	0
1220	0.000000e+00	0.000000e+00	3100	1
1221	0.000000e+00	0.000000e+00	804	0
1222	1.000000e+00	1.000000e+00	1200	0
1223	0.000000e+00	0.000000e+00	8700	1
1224	6.250000e-01	6.250000e-01	1900	1
1225	6.444444e-01	6.444444e-01	559	0
1226	0.000000e+00	0.000000e+00	3000	1
1227	-7.000000e-01	7.000000e-01	401	0
1228	5.000000e-01	5.000000e-01	4400	1
1229	3.333333e-02	3.333333e-02	1100	0
1230	4.333333e-01	4.333333e-01	2400	1
1231	0.000000e+00	0.000000e+00	1700	1
1232	1.666667e-01	1.666667e-01	953	0
1233	6.000000e-01	6.000000e-01	706	0
1234	0.000000e+00	0.000000e+00	469	0
1235	4.000000e-01	4.000000e-01	1900	1
1236	0.000000e+00	0.000000e+00	673	0
1237	0.000000e+00	0.000000e+00	672	0
1238	0.000000e+00	0.000000e+00	1200	0
1239	0.000000e+00	0.000000e+00	2400	1
1240	0.000000e+00	0.000000e+00	578	0
1241	1.000000e+00	1.000000e+00	1500	1
1242	0.000000e+00	0.000000e+00	1000	0
1243	0.000000e+00	0.000000e+00	1200	0
1244	3.333333e-01	3.333333e-01	16700	1
1245	3.800000e-01	3.800000e-01	1200	0
1246	2.000000e-01	2.000000e-01	4300	1
1247	0.000000e+00	0.000000e+00	441	0
1248	1.444444e-01	1.444444e-01	2100	1
1249	0.000000e+00	0.000000e+00	4800	1
1250	1.363636e-01	1.363636e-01	969	0
1251	1.000000e+00	1.000000e+00	6700	1
1252	0.000000e+00	0.000000e+00	1000	0
1253	1.000000e-01	1.000000e-01	1600	1
1254	0.000000e+00	0.000000e+00	577	0
1255	-2.000000e-01	2.000000e-01	510	0
1256	0.000000e+00	0.000000e+00	1200	0
1257	2.000000e-01	2.000000e-01	2700	1
1258	-1.250000e-01	1.250000e-01	790	0
1259	0.000000e+00	0.000000e+00	3200	1
1260	1.000000e-01	1.000000e-01	3100	1
1261	0.000000e+00	0.000000e+00	11400	1
1262	4.000000e-01	4.000000e-01	4400	1

1263	0.000000e+00	0.000000e+00	1500	1
1264	-1.785714e-02	1.785714e-02	769	0
1265	-2.500000e-01	2.500000e-01	1400	0
1266	2.444444e-01	2.444444e-01	2100	1
1267	0.000000e+00	0.000000e+00	825	0
1268	5.000000e-01	5.000000e-01	3000	1
1269	2.000000e-01	2.000000e-01	3000	1
1270	0.000000e+00	0.000000e+00	5000	1
1271	5.000000e-01	5.000000e-01	2100	1
1272	0.000000e+00	0.000000e+00	4100	1
1273	0.000000e+00	0.000000e+00	6300	1
1274	4.000000e-01	4.000000e-01	2700	1
1275	1.600000e-01	1.600000e-01	532	0
1276	2.500000e-01	2.500000e-01	559	0
1277	5.000000e-01	5.000000e-01	2700	1
1278	2.000000e-01	2.000000e-01	1300	0
1279	0.000000e+00	0.000000e+00	3100	1
1280	0.000000e+00	0.000000e+00	1500	1
1281	5.000000e-01	5.000000e-01	1100	0
1282	1.000000e+00	1.000000e+00	790	0
1283	0.000000e+00	0.000000e+00	3000	1
1284	-2.000000e-01	2.000000e-01	792	0
1285	0.000000e+00	0.000000e+00	467	0
1286	0.000000e+00	0.000000e+00	1900	1
1287	0.000000e+00	0.000000e+00	6000	1
1288	0.000000e+00	0.000000e+00	969	0
1289	-1.500000e-01	1.500000e-01	686	0
1290	2.500000e-01	2.500000e-01	3000	1
1291	0.000000e+00	0.000000e+00	1000	0
1292	5.000000e-01	5.000000e-01	990	0
1293	0.000000e+00	0.000000e+00	717	0
1294	0.000000e+00	0.000000e+00	2200	1
1295	4.000000e-01	4.000000e-01	1600	1
1296	-1.500000e-01	1.500000e-01	779	0
1297	1.363636e-01	1.363636e-01	11100	1
1298	1.363636e-01	1.363636e-01	1500	1
1299	0.000000e+00	0.000000e+00	1000	0
1300	0.000000e+00	0.000000e+00	803	0
1301	1.363636e-01	1.363636e-01	534	0
1302	6.818182e-02	6.818182e-02	980	0
1303	2.666667e-01	2.666667e-01	1100	0
1304	5.000000e-02	5.000000e-02	1600	1
1305	-1.250000e-01	1.250000e-01	1100	0
1306	5.000000e-01	5.000000e-01	2800	1
1307	0.000000e+00	0.000000e+00	2400	1
1308	2.500000e-01	2.500000e-01	1300	0
1309	2.681818e-01	2.681818e-01	1100	0
1310	0.000000e+00	0.000000e+00	1500	1
1311	-3.000000e-01	3.000000e-01	1200	0
1312	5.000000e-01	5.000000e-01	3400	1
1313	2.666667e-01	2.666667e-01	1000	0
1314	0.000000e+00	0.000000e+00	5200	1
1315	0.000000e+00	0.000000e+00	14400	1
1316	0.000000e+00	0.000000e+00	1100	0

1317	5.681818e-01	5.681818e-01	1600	1
1318	7.500000e-01	7.500000e-01	1800	1
1319	0.000000e+00	0.000000e+00	531	0
1320	3.333333e-02	3.333333e-02	6300	1
1321	0.000000e+00	0.000000e+00	691	0
1322	-1.888889e-01	1.888889e-01	1600	1
1323	-1.555556e-01	1.555556e-01	1200	0
1324	2.500000e-01	2.500000e-01	3400	1
1325	2.000000e-01	2.000000e-01	649	0
1326	0.000000e+00	0.000000e+00	3600	1
1327	1.000000e-01	1.000000e-01	2300	1
1328	0.000000e+00	0.000000e+00	2200	1
1329	-1.250000e-01	1.250000e-01	1500	1
1330	4.000000e-01	4.000000e-01	1400	0
1331	0.000000e+00	0.000000e+00	651	0
1332	0.000000e+00	0.000000e+00	853	0
1333	0.000000e+00	0.000000e+00	1500	1
1334	-1.666667e-01	1.666667e-01	436	0
1335	0.000000e+00	0.000000e+00	469	0
1336	2.500000e-01	2.500000e-01	3000	1
1337	1.363636e-01	1.363636e-01	1800	1
1338	2.500000e-01	2.500000e-01	10300	1
1339	6.000000e-01	6.000000e-01	1300	0
1340	0.000000e+00	0.000000e+00	659	0
1341	0.000000e+00	0.000000e+00	839	0
1342	0.000000e+00	0.000000e+00	2100	1
1343	0.000000e+00	0.000000e+00	2700	1
1344	0.000000e+00	0.000000e+00	1200	0
1345	4.583333e-01	4.583333e-01	3400	1
1346	0.000000e+00	0.000000e+00	1100	0
1347	0.000000e+00	0.000000e+00	2400	1
1348	-7.142857e-02	7.142857e-02	1600	1
1349	3.333333e-02	3.333333e-02	1100	0
1350	1.777778e-01	1.777778e-01	1800	1
1351	0.000000e+00	0.000000e+00	7900	1
1352	0.000000e+00	0.000000e+00	990	0
1353	0.000000e+00	0.000000e+00	1200	0
1354	0.000000e+00	0.000000e+00	998	0
1355	4.166667e-01	4.166667e-01	636	0
1356	0.000000e+00	0.000000e+00	1500	1
1357	0.000000e+00	0.000000e+00	1600	1
1358	0.000000e+00	0.000000e+00	2700	1
1359	0.000000e+00	0.000000e+00	1300	0
1360	0.000000e+00	0.000000e+00	2600	1
1361	0.000000e+00	0.000000e+00	707	0
1362	0.000000e+00	0.000000e+00	1200	0
1363	2.500000e-01	2.500000e-01	2000	1
1364	4.000000e-01	4.000000e-01	2400	1
1365	0.000000e+00	0.000000e+00	1200	0
1366	0.000000e+00	0.000000e+00	1700	1
1367	0.000000e+00	0.000000e+00	1300	0
1368	0.000000e+00	0.000000e+00	373	0
1369	3.000000e-01	3.000000e-01	935	0
1370	0.000000e+00	0.000000e+00	11900	1

1371	0.000000e+00	0.000000e+00	745	0
1372	-4.000000e-01	4.000000e-01	1400	0
1373	0.000000e+00	0.000000e+00	984	0
1374	5.000000e-01	5.000000e-01	912	0
1375	1.000000e-01	1.000000e-01	740	0
1376	1.666667e-01	1.666667e-01	1000	0
1377	4.333333e-01	4.333333e-01	1600	1
1378	-3.000000e-01	3.000000e-01	2300	1
1379	1.363636e-01	1.363636e-01	867	0
1380	0.000000e+00	0.000000e+00	1300	0
1381	-8.000000e-01	8.000000e-01	4300	1
1382	-5.000000e-01	5.000000e-01	1500	1
1383	1.250000e-01	1.250000e-01	3400	1
1384	0.000000e+00	0.000000e+00	1700	1
1385	0.000000e+00	0.000000e+00	2000	1
1386	0.000000e+00	0.000000e+00	2400	1
1387	0.000000e+00	0.000000e+00	2300	1
1388	0.000000e+00	0.000000e+00	758	0
1389	0.000000e+00	0.000000e+00	412	0
1390	3.333333e-01	3.333333e-01	909	0
1391	0.000000e+00	0.000000e+00	1200	0
1392	2.500000e-01	2.500000e-01	69100	1
1393	3.333333e-01	3.333333e-01	2500	1
1394	4.681818e-01	4.681818e-01	428	0
1395	0.000000e+00	0.000000e+00	1200	0
1396	0.000000e+00	0.000000e+00	884	0
1397	0.000000e+00	0.000000e+00	1500	1
1398	3.333333e-01	3.333333e-01	511	0
1399	0.000000e+00	0.000000e+00	1800	1
1400	8.000000e-01	8.000000e-01	3500	1
1401	0.000000e+00	0.000000e+00	1500	1
1402	2.750000e-01	2.750000e-01	435	0
1403	3.333333e-01	3.333333e-01	646	0
1404	1.833333e-01	1.833333e-01	1800	1
1405	0.000000e+00	0.000000e+00	2400	1
1406	-1.875000e-01	1.875000e-01	4500	1
1407	0.000000e+00	0.000000e+00	2300	1
1408	4.333333e-01	4.333333e-01	866	0
1409	0.000000e+00	0.000000e+00	5100	1
1410	-1.000000e+00	1.000000e+00	949	0
1411	0.000000e+00	0.000000e+00	849	0
1412	-3.333333e-01	3.333333e-01	1800	1
1413	1.000000e+00	1.000000e+00	16800	1
1414	3.750000e-01	3.750000e-01	478	0
1415	0.000000e+00	0.000000e+00	1800	1
1416	0.000000e+00	0.000000e+00	1500	1
1417	0.000000e+00	0.000000e+00	1800	1
1418	0.000000e+00	0.000000e+00	1000	0
1419	3.333333e-01	3.333333e-01	1600	1
1420	5.000000e-01	5.000000e-01	2200	1
1421	-8.000000e-01	8.000000e-01	1100	0
1422	0.000000e+00	0.000000e+00	998	0
1423	6.818182e-02	6.818182e-02	386	0
1424	5.000000e-01	5.000000e-01	1500	1

1425	-2.000000e-01	2.000000e-01	2400	1
1426	0.000000e+00	0.000000e+00	4100	1
1427	-1.250000e-01	1.250000e-01	440	0
1428	-8.000000e-01	8.000000e-01	3700	1
1429	-1.000000e-01	1.000000e-01	857	0
1430	2.500000e-01	2.500000e-01	593	0
1431	0.000000e+00	0.000000e+00	3200	1
1432	5.000000e-01	5.000000e-01	1000	0
1433	0.000000e+00	0.000000e+00	2800	1
1434	2.500000e-01	2.500000e-01	849	0
1435	5.000000e-01	5.000000e-01	1100	0
1436	5.000000e-01	5.000000e-01	1700	1
1437	0.000000e+00	0.000000e+00	340	0
1438	0.000000e+00	0.000000e+00	1300	0
1439	0.000000e+00	0.000000e+00	907	0
1440	0.000000e+00	0.000000e+00	687	0
1441	-2.500000e-01	2.500000e-01	1900	1
1442	-1.875000e-01	1.875000e-01	1100	0
1443	1.363636e-01	1.363636e-01	422	0
1444	0.000000e+00	0.000000e+00	2100	1
1445	5.000000e-02	5.000000e-02	1000	0
1446	2.666667e-01	2.666667e-01	886	0
1447	0.000000e+00	0.000000e+00	1900	1
1448	2.500000e-01	2.500000e-01	2700	1
1449	-1.250000e-01	1.250000e-01	1100	0
1450	0.000000e+00	0.000000e+00	1800	1
1451	0.000000e+00	0.000000e+00	3000	1
1452	7.500000e-01	7.500000e-01	397	0
1453	-2.000000e-01	2.000000e-01	380	0
1454	1.000000e-01	1.000000e-01	1700	1
1455	6.666667e-02	6.666667e-02	2100	1
1456	1.500000e-01	1.500000e-01	1700	1
1457	-4.000000e-01	4.000000e-01	1000	0
1458	0.000000e+00	0.000000e+00	693	0
1459	6.818182e-02	6.818182e-02	1100	0
1460	0.000000e+00	0.000000e+00	3100	1
1461	4.166667e-01	4.166667e-01	1800	1
1462	0.000000e+00	0.000000e+00	3100	1
1463	0.000000e+00	0.000000e+00	3500	1
1464	3.333333e-01	3.333333e-01	2000	1
1465	0.000000e+00	0.000000e+00	2300	1
1466	3.111111e-01	3.111111e-01	1600	1
1467	5.000000e-01	5.000000e-01	2500	1
1468	3.333333e-01	3.333333e-01	1200	0
1469	6.666667e-01	6.666667e-01	2100	1
1470	3.333333e-01	3.333333e-01	3500	1
1471	0.000000e+00	0.000000e+00	6700	1
1472	0.000000e+00	0.000000e+00	919	0
1473	0.000000e+00	0.000000e+00	488	0
1474	0.000000e+00	0.000000e+00	790	0
1475	-4.000000e-01	4.000000e-01	1000	0
1476	0.000000e+00	0.000000e+00	853	0
1477	0.000000e+00	0.000000e+00	16500	1
1478	0.000000e+00	0.000000e+00	1400	0

1479	0.000000e+00	0.000000e+00	825	0
1480	5.000000e-01	5.000000e-01	1000	0
1481	0.000000e+00	0.000000e+00	657	0
1482	0.000000e+00	0.000000e+00	594	0
1483	0.000000e+00	0.000000e+00	676	0
1484	2.000000e-01	2.000000e-01	991	0
1485	1.666667e-01	1.666667e-01	1100	0
1486	0.000000e+00	0.000000e+00	1100	0
1487	1.666667e-02	1.666667e-02	444	0
1488	5.000000e-01	5.000000e-01	1100	0
1489	0.000000e+00	0.000000e+00	2800	1
1490	0.000000e+00	0.000000e+00	3800	1
1491	1.666667e-01	1.666667e-01	2100	1
1492	3.333333e-01	3.333333e-01	728	0
1493	0.000000e+00	0.000000e+00	828	0
1494	3.333333e-01	3.333333e-01	1600	1
1495	6.666667e-01	6.666667e-01	16500	1
1496	0.000000e+00	0.000000e+00	1600	1
1497	5.000000e-01	5.000000e-01	3400	1
1498	5.000000e-01	5.000000e-01	1400	0
1499	0.000000e+00	0.000000e+00	807	0
1500	0.000000e+00	0.000000e+00	4300	1
1501	0.000000e+00	0.000000e+00	1500	1
1502	0.000000e+00	0.000000e+00	326	0
1503	4.166667e-01	4.166667e-01	1200	0
1504	-1.000000e-01	1.000000e-01	7000	1
1505	7.500000e-01	7.500000e-01	606	0
1506	0.000000e+00	0.000000e+00	683	0
1507	2.500000e-01	2.500000e-01	1300	0
1508	5.000000e-01	5.000000e-01	1200	0
1509	0.000000e+00	0.000000e+00	40100	1
1510	0.000000e+00	0.000000e+00	3900	1
1511	2.833333e-01	2.833333e-01	1200	0
1512	0.000000e+00	0.000000e+00	1200	0
1513	0.000000e+00	0.000000e+00	1500	1
1514	5.000000e-01	5.000000e-01	3400	1
1515	0.000000e+00	0.000000e+00	2400	1
1516	2.323232e-02	2.323232e-02	518	0
1517	5.000000e-01	5.000000e-01	3400	1
1518	0.000000e+00	0.000000e+00	460	0
1519	2.348485e-01	2.348485e-01	1100	0
1520	5.000000e-01	5.000000e-01	1900	1
1521	5.000000e-01	5.000000e-01	1600	1
1522	1.666667e-01	1.666667e-01	835	0
1523	0.000000e+00	0.000000e+00	1700	1
1524	0.000000e+00	0.000000e+00	900	0
1525	0.000000e+00	0.000000e+00	1200	0
1526	0.000000e+00	0.000000e+00	676	0
1527	3.333333e-01	3.333333e-01	681	0
1528	8.000000e-01	8.000000e-01	5400	1
1529	0.000000e+00	0.000000e+00	1900	1
1530	5.000000e-01	5.000000e-01	4400	1
1531	0.000000e+00	0.000000e+00	1700	1
1532	0.000000e+00	0.000000e+00	1800	1

1533	3.333333e-01	3.333333e-01	4400	1
1534	3.333333e-01	3.333333e-01	832	0
1535	-3.333333e-02	3.333333e-02	4200	1
1536	5.666667e-01	5.666667e-01	1000	0
1537	0.000000e+00	0.000000e+00	546	0
1538	0.000000e+00	0.000000e+00	17300	1
1539	1.000000e+00	1.000000e+00	2400	1
1540	3.571429e-01	3.571429e-01	1500	1
1541	1.000000e-01	1.000000e-01	765	0
1542	0.000000e+00	0.000000e+00	12900	1
1543	0.000000e+00	0.000000e+00	805	0
1544	0.000000e+00	0.000000e+00	3200	1
1545	1.363636e-01	1.363636e-01	2000	1
1546	4.000000e-01	4.000000e-01	3400	1
1547	0.000000e+00	0.000000e+00	2300	1
1548	0.000000e+00	0.000000e+00	4100	1
1549	0.000000e+00	0.000000e+00	2500	1
1550	0.000000e+00	0.000000e+00	1600	1
1551	3.333333e-01	3.333333e-01	1400	0
1552	0.000000e+00	0.000000e+00	2000	1
1553	1.600000e-01	1.600000e-01	4500	1
1554	0.000000e+00	0.000000e+00	3300	1
1555	7.000000e-01	7.000000e-01	2700	1
1556	0.000000e+00	0.000000e+00	3100	1
1557	3.333333e-01	3.333333e-01	1100	0
1558	3.500000e-01	3.500000e-01	1700	1
1559	5.000000e-01	5.000000e-01	7400	1
1560	3.333333e-01	3.333333e-01	1300	0
1561	0.000000e+00	0.000000e+00	697	0
1562	0.000000e+00	0.000000e+00	1300	0
1563	0.000000e+00	0.000000e+00	1200	0
1564	3.333333e-01	3.333333e-01	1200	0
1565	0.000000e+00	0.000000e+00	1100	0
1566	5.000000e-01	5.000000e-01	1100	0
1567	5.000000e-01	5.000000e-01	2100	1
1568	3.333333e-02	3.333333e-02	649	0
1569	3.333333e-01	3.333333e-01	681	0
1570	0.000000e+00	0.000000e+00	1100	0
1571	0.000000e+00	0.000000e+00	1300	0
1572	3.333333e-01	3.333333e-01	1300	0
1573	3.333333e-01	3.333333e-01	655	0
1574	3.333333e-01	3.333333e-01	1600	1
1575	3.333333e-01	3.333333e-01	2000	1
1576	1.666667e-01	1.666667e-01	5100	1
1577	3.333333e-01	3.333333e-01	5500	1
1578	3.333333e-01	3.333333e-01	9700	1
1579	1.466667e-01	1.466667e-01	786	0
1580	2.500000e-01	2.500000e-01	1900	1
1581	-1.750000e-01	1.750000e-01	8900	1
1582	0.000000e+00	0.000000e+00	1500	1
1583	0.000000e+00	0.000000e+00	2000	1
1584	3.333333e-01	3.333333e-01	536	0
1585	3.333333e-01	3.333333e-01	550	0
1586	3.333333e-01	3.333333e-01	1200	0

1587	0.000000e+00	0.000000e+00	4500	1
1588	1.363636e-01	1.363636e-01	1600	1
1589	3.333333e-01	3.333333e-01	1900	1
1590	3.333333e-01	3.333333e-01	2500	1
1591	0.000000e+00	0.000000e+00	498	0
1592	3.333333e-01	3.333333e-01	10900	1
1593	3.333333e-01	3.333333e-01	1700	1
1594	2.348485e-01	2.348485e-01	1500	1
1595	1.363636e-01	1.363636e-01	820	0
1596	1.833333e-01	1.833333e-01	1300	0
1597	3.333333e-01	3.333333e-01	2000	1
1598	3.333333e-01	3.333333e-01	900	0
1599	2.348485e-01	2.348485e-01	1100	0
1600	9.000000e-01	9.000000e-01	1800	1
1601	0.000000e+00	0.000000e+00	4000	1
1602	1.875000e-01	1.875000e-01	1600	1
1603	0.000000e+00	0.000000e+00	2100	1
1604	−2.638889e-01	2.638889e-01	992	0
1605	0.000000e+00	0.000000e+00	886	0
1606	0.000000e+00	0.000000e+00	1200	0
1607	4.000000e-01	4.000000e-01	623	0
1608	1.666667e-01	1.666667e-01	760	0
1609	−4.166667e-02	4.166667e-02	963	0
1610	0.000000e+00	0.000000e+00	710	0
1611	3.333333e-01	3.333333e-01	1900	1
1612	−8.333333e-02	8.333333e-02	1300	0
1613	−5.555556e-02	5.555556e-02	2000	1
1614	0.000000e+00	0.000000e+00	2500	1
1615	1.888889e-01	1.888889e-01	9200	1
1616	4.166667e-02	4.166667e-02	2100	1
1617	1.666667e-01	1.666667e-01	874	0
1618	0.000000e+00	0.000000e+00	2100	1
1619	5.000000e-01	5.000000e-01	1100	0
1620	5.000000e-02	5.000000e-02	1700	1
1621	0.000000e+00	0.000000e+00	2300	1
1622	−3.333333e-02	3.333333e-02	2600	1
1623	0.000000e+00	0.000000e+00	4200	1
1624	−2.000000e-01	2.000000e-01	644	0
1625	4.166667e-01	4.166667e-01	909	0
1626	1.363636e-01	1.363636e-01	3900	1
1627	5.166667e-01	5.166667e-01	1300	0
1628	0.000000e+00	0.000000e+00	7400	1
1629	2.333333e-01	2.333333e-01	3300	1
1630	2.500000e-01	2.500000e-01	1700	1
1631	3.333333e-01	3.333333e-01	3400	1
1632	0.000000e+00	0.000000e+00	1200	0
1633	5.000000e-01	5.000000e-01	1400	0
1634	3.333333e-01	3.333333e-01	916	0
1635	−9.375000e-02	9.375000e-02	4100	1
1636	−5.000000e-02	5.000000e-02	912	0
1637	6.250000e-02	6.250000e-02	691	0
1638	5.000000e-01	5.000000e-01	601	0
1639	2.500000e-01	2.500000e-01	933	0
1640	0.000000e+00	0.000000e+00	1200	0

1641	-4.000000e-01	4.000000e-01	609	0
1642	-2.500000e-01	2.500000e-01	1100	0
1643	0.000000e+00	0.000000e+00	2200	1
1644	2.333333e-01	2.333333e-01	6900	1
1645	0.000000e+00	0.000000e+00	4500	1
1646	1.600000e-01	1.600000e-01	1900	1
1647	2.000000e-01	2.000000e-01	1700	1
1648	1.363636e-01	1.363636e-01	742	0
1649	5.000000e-01	5.000000e-01	550	0
1650	2.500000e-01	2.500000e-01	5800	1
1651	3.333333e-01	3.333333e-01	594	0
1652	3.333333e-01	3.333333e-01	4800	1
1653	3.333333e-01	3.333333e-01	2100	1
1654	2.055556e-01	2.055556e-01	2100	1
1655	3.333333e-01	3.333333e-01	2100	1
1656	3.333333e-01	3.333333e-01	6500	1
1657	0.000000e+00	0.000000e+00	2100	1
1658	0.000000e+00	0.000000e+00	527	0
1659	3.333333e-01	3.333333e-01	2300	1
1660	8.333333e-02	8.333333e-02	1600	1
1661	0.000000e+00	0.000000e+00	9400	1
1662	5.000000e-01	5.000000e-01	4700	1
1663	0.000000e+00	0.000000e+00	1100	0
1664	-2.000000e-01	2.000000e-01	1600	1
1665	0.000000e+00	0.000000e+00	3800	1
1666	-5.000000e-01	5.000000e-01	3900	1
1667	3.666667e-01	3.666667e-01	1300	0
1668	0.000000e+00	0.000000e+00	1400	0
1669	0.000000e+00	0.000000e+00	1500	1
1670	0.000000e+00	0.000000e+00	1300	0
1671	3.409091e-02	3.409091e-02	3900	1
1672	4.428571e-01	4.428571e-01	6000	1
1673	-1.000000e-01	1.000000e-01	2600	1
1674	0.000000e+00	0.000000e+00	1200	0
1675	0.000000e+00	0.000000e+00	564	0
1676	1.363636e-01	1.363636e-01	1500	1
1677	0.000000e+00	0.000000e+00	895	0
1678	0.000000e+00	0.000000e+00	494	0
1679	5.000000e-01	5.000000e-01	496	0
1680	2.500000e-01	2.500000e-01	2400	1
1681	0.000000e+00	0.000000e+00	1900	1
1682	0.000000e+00	0.000000e+00	544	0
1683	0.000000e+00	0.000000e+00	1700	1
1684	0.000000e+00	0.000000e+00	1600	1
1685	9.523810e-03	9.523810e-03	1400	0
1686	-5.000000e-01	5.000000e-01	1200	0
1687	6.666667e-02	6.666667e-02	8700	1
1688	1.363636e-01	1.363636e-01	527	0
1689	4.000000e-01	4.000000e-01	1800	1
1690	2.000000e-01	2.000000e-01	828	0
1691	5.000000e-01	5.000000e-01	6000	1
1692	4.000000e-01	4.000000e-01	1100	0
1693	6.818182e-02	6.818182e-02	2400	1
1694	2.142857e-01	2.142857e-01	1100	0

1695	0.000000e+00	0.000000e+00	3300	1
1696	0.000000e+00	0.000000e+00	401	0
1697	2.500000e-01	2.500000e-01	456	0
1698	0.000000e+00	0.000000e+00	3300	1
1699	2.500000e-01	2.500000e-01	2800	1
1700	3.333333e-01	3.333333e-01	4200	1
1701	0.000000e+00	0.000000e+00	2300	1
1702	4.181818e-01	4.181818e-01	2500	1
1703	0.000000e+00	0.000000e+00	583	0
1704	8.000000e-01	8.000000e-01	2100	1
1705	3.200000e-01	3.200000e-01	482	0
1706	3.333333e-02	3.333333e-02	857	0
1707	4.333333e-01	4.333333e-01	2000	1
1708	0.000000e+00	0.000000e+00	4600	1
1709	1.000000e-01	1.000000e-01	1100	0
1710	3.333333e-01	3.333333e-01	571	0
1711	0.000000e+00	0.000000e+00	419	0
1712	0.000000e+00	0.000000e+00	7100	1
1713	1.750000e-01	1.750000e-01	4300	1
1714	6.000000e-01	6.000000e-01	2100	1
1715	0.000000e+00	0.000000e+00	2200	1
1716	2.164502e-02	2.164502e-02	1100	0
1717	0.000000e+00	0.000000e+00	4300	1
1718	5.681818e-03	5.681818e-03	914	0
1719	0.000000e+00	0.000000e+00	1300	0
1720	-3.125000e-01	3.125000e-01	1700	1
1721	3.333333e-01	3.333333e-01	1500	1
1722	3.333333e-01	3.333333e-01	1800	1
1723	2.500000e-01	2.500000e-01	2500	1
1724	0.000000e+00	0.000000e+00	1500	1
1725	1.363636e-01	1.363636e-01	1300	0
1726	-2.000000e-01	2.000000e-01	1900	1
1727	-1.190476e-01	1.190476e-01	2000	1
1728	1.000000e+00	1.000000e+00	502	0
1729	1.000000e-01	1.000000e-01	823	0
1730	-6.000000e-01	6.000000e-01	8200	1
1731	5.000000e-01	5.000000e-01	761	0
1732	0.000000e+00	0.000000e+00	1700	1
1733	2.787879e-01	2.787879e-01	1500	1
1734	0.000000e+00	0.000000e+00	889	0
1735	5.000000e-01	5.000000e-01	701	0
1736	1.500000e-01	1.500000e-01	1600	1
1737	0.000000e+00	0.000000e+00	1800	1
1738	0.000000e+00	0.000000e+00	529	0
1739	1.750000e-01	1.750000e-01	821	0
1740	0.000000e+00	0.000000e+00	9100	1
1741	0.000000e+00	0.000000e+00	1300	0
1742	2.666667e-01	2.666667e-01	1800	1
1743	2.348485e-01	2.348485e-01	954	0
1744	5.000000e-01	5.000000e-01	3600	1
1745	-6.111111e-02	6.111111e-02	1200	0
1746	5.000000e-01	5.000000e-01	696	0
1747	0.000000e+00	0.000000e+00	1700	1
1748	-1.000000e-01	1.000000e-01	1000	0

1749	2.500000e-01	2.500000e-01	2000	1
1750	1.666667e-01	1.666667e-01	1300	0
1751	0.000000e+00	0.000000e+00	831	0
1752	0.000000e+00	0.000000e+00	318	0
1753	0.000000e+00	0.000000e+00	2000	1
1754	0.000000e+00	0.000000e+00	3900	1
1755	2.166667e-01	2.166667e-01	8300	1
1756	0.000000e+00	0.000000e+00	1500	1
1757	1.250000e-01	1.250000e-01	1400	0
1758	3.333333e-01	3.333333e-01	757	0
1759	0.000000e+00	0.000000e+00	1000	0
1760	1.000000e+00	1.000000e+00	1500	1
1761	0.000000e+00	0.000000e+00	1200	0
1762	1.000000e+00	1.000000e+00	1700	1
1763	0.000000e+00	0.000000e+00	795	0
1764	0.000000e+00	0.000000e+00	712	0
1765	0.000000e+00	0.000000e+00	1200	0
1766	5.000000e-02	5.000000e-02	4200	1
1767	0.000000e+00	0.000000e+00	2800	1
1768	-4.000000e-01	4.000000e-01	1600	1
1769	0.000000e+00	0.000000e+00	2600	1
1770	1.363636e-01	1.363636e-01	1700	1
1771	2.000000e-01	2.000000e-01	18100	1
1772	0.000000e+00	0.000000e+00	504	0
1773	3.333333e-02	3.333333e-02	475	0
1774	0.000000e+00	0.000000e+00	2100	1
1775	0.000000e+00	0.000000e+00	1700	1
1776	0.000000e+00	0.000000e+00	956	0
1777	0.000000e+00	0.000000e+00	399	0
1778	0.000000e+00	0.000000e+00	3400	1
1779	0.000000e+00	0.000000e+00	2400	1
1780	0.000000e+00	0.000000e+00	1300	0
1781	5.000000e-01	5.000000e-01	1900	1
1782	2.166667e-01	2.166667e-01	1600	1
1783	-5.000000e-01	5.000000e-01	1100	0
1784	1.125000e-01	1.125000e-01	1000	0
1785	1.363636e-01	1.363636e-01	2300	1
1786	1.666667e-02	1.666667e-02	2800	1
1787	-5.000000e-01	5.000000e-01	3200	1
1788	0.000000e+00	0.000000e+00	1600	1
1789	0.000000e+00	0.000000e+00	4400	1
1790	0.000000e+00	0.000000e+00	8500	1
1791	0.000000e+00	0.000000e+00	2600	1
1792	1.363636e-01	1.363636e-01	710	0
1793	0.000000e+00	0.000000e+00	348	0
1794	0.000000e+00	0.000000e+00	1000	0
1795	0.000000e+00	0.000000e+00	6500	1
1796	1.363636e-01	1.363636e-01	6900	1
1797	0.000000e+00	0.000000e+00	1000	0
1798	0.000000e+00	0.000000e+00	766	0
1799	8.666667e-02	8.666667e-02	797	0
1800	0.000000e+00	0.000000e+00	1100	0
1801	0.000000e+00	0.000000e+00	992	0
1802	-1.875000e-01	1.875000e-01	3900	1

1803	9.000000e-01	9.000000e-01	1900	1
1804	0.000000e+00	0.000000e+00	2100	1
1805	0.000000e+00	0.000000e+00	759	0
1806	0.000000e+00	0.000000e+00	2000	1
1807	-1.000000e-01	1.000000e-01	1400	0
1808	0.000000e+00	0.000000e+00	2200	1
1809	3.333333e-02	3.333333e-02	10700	1
1810	6.818182e-02	6.818182e-02	3400	1
1811	2.500000e-01	2.500000e-01	1400	0
1812	2.500000e-01	2.500000e-01	4700	1
1813	0.000000e+00	0.000000e+00	742	0
1814	1.000000e-01	1.000000e-01	7700	1
1815	0.000000e+00	0.000000e+00	1300	0
1816	-5.000000e-01	5.000000e-01	4500	1
1817	-6.000000e-01	6.000000e-01	2700	1
1818	0.000000e+00	0.000000e+00	3200	1
1819	0.000000e+00	0.000000e+00	1900	1
1820	0.000000e+00	0.000000e+00	1400	0
1821	0.000000e+00	0.000000e+00	2900	1
1822	2.000000e-01	2.000000e-01	1100	0
1823	1.000000e+00	1.000000e+00	13900	1
1824	0.000000e+00	0.000000e+00	14400	1
1825	0.000000e+00	0.000000e+00	1600	1
1826	0.000000e+00	0.000000e+00	850	0
1827	-1.500000e-01	1.500000e-01	1800	1
1828	0.000000e+00	0.000000e+00	1400	0
1829	-1.000000e-01	1.000000e-01	1000	0
1830	0.000000e+00	0.000000e+00	3100	1
1831	-1.250000e-01	1.250000e-01	1100	0
1832	0.000000e+00	0.000000e+00	5300	1
1833	-3.000000e-01	3.000000e-01	710	0
1834	0.000000e+00	0.000000e+00	1700	1
1835	0.000000e+00	0.000000e+00	18400	1
1836	0.000000e+00	0.000000e+00	2100	1
1837	0.000000e+00	0.000000e+00	1200	0
1838	0.000000e+00	0.000000e+00	855	0
1839	1.777778e-01	1.777778e-01	2000	1
1840	0.000000e+00	0.000000e+00	4800	1
1841	3.000000e-01	3.000000e-01	4400	1
1842	-2.000000e-01	2.000000e-01	3400	1
1843	0.000000e+00	0.000000e+00	643	0
1844	1.363636e-01	1.363636e-01	1600	1
1845	0.000000e+00	0.000000e+00	1500	1
1846	4.000000e-01	4.000000e-01	11000	1
1847	0.000000e+00	0.000000e+00	1000	0
1848	2.500000e-01	2.500000e-01	881	0
1849	3.000000e-01	3.000000e-01	2400	1
1850	0.000000e+00	0.000000e+00	635	0
1851	0.000000e+00	0.000000e+00	1300	0
1852	0.000000e+00	0.000000e+00	574	0
1853	0.000000e+00	0.000000e+00	1700	1
1854	4.500000e-01	4.500000e-01	1300	0
1855	0.000000e+00	0.000000e+00	7000	1
1856	0.000000e+00	0.000000e+00	983	0

1857	1.363636e-01	1.363636e-01	544	0
1858	0.000000e+00	0.000000e+00	1400	0
1859	0.000000e+00	0.000000e+00	957	0
1860	-7.000000e-01	7.000000e-01	366	0
1861	3.750000e-01	3.750000e-01	2500	1
1862	0.000000e+00	0.000000e+00	2500	1
1863	-5.000000e-01	5.000000e-01	434	0
1864	0.000000e+00	0.000000e+00	1400	0
1865	-1.318182e-01	1.318182e-01	1400	0
1866	6.818182e-02	6.818182e-02	632	0
1867	0.000000e+00	0.000000e+00	886	0
1868	0.000000e+00	0.000000e+00	2300	1
1869	0.000000e+00	0.000000e+00	303	0
1870	4.166667e-01	4.166667e-01	790	0
1871	-4.000000e-01	4.000000e-01	3200	1
1872	0.000000e+00	0.000000e+00	3300	1
1873	0.000000e+00	0.000000e+00	951	0
1874	0.000000e+00	0.000000e+00	1200	0
1875	0.000000e+00	0.000000e+00	827	0
1876	0.000000e+00	0.000000e+00	2200	1
1877	1.363636e-01	1.363636e-01	424	0
1878	0.000000e+00	0.000000e+00	356	0
1879	3.875000e-01	3.875000e-01	919	0
1880	0.000000e+00	0.000000e+00	4300	1
1881	1.166667e-01	1.166667e-01	2300	1
1882	2.500000e-01	2.500000e-01	41600	1
1883	4.250000e-01	4.250000e-01	30400	1
1884	0.000000e+00	0.000000e+00	2200	1
1885	1.000000e-01	1.000000e-01	2700	1
1886	2.500000e-01	2.500000e-01	2800	1
1887	0.000000e+00	0.000000e+00	3900	1
1888	0.000000e+00	0.000000e+00	984	0
1889	5.500000e-01	5.500000e-01	1400	0
1890	0.000000e+00	0.000000e+00	1100	0
1891	1.250000e-01	1.250000e-01	1500	1
1892	0.000000e+00	0.000000e+00	967	0
1893	-1.250000e-01	1.250000e-01	989	0
1894	0.000000e+00	0.000000e+00	1100	0
1895	0.000000e+00	0.000000e+00	3500	1
1896	2.500000e-01	2.500000e-01	523	0
1897	3.333333e-02	3.333333e-02	6600	1
1898	-6.000000e-01	6.000000e-01	2100	1
1899	0.000000e+00	0.000000e+00	1300	0
1900	0.000000e+00	0.000000e+00	4900	1
1901	2.500000e-01	2.500000e-01	3600	1
1902	2.500000e-01	2.500000e-01	1600	1
1903	0.000000e+00	0.000000e+00	2000	1
1904	0.000000e+00	0.000000e+00	1600	1
1905	3.500000e-01	3.500000e-01	654	0
1906	0.000000e+00	0.000000e+00	1300	0
1907	0.000000e+00	0.000000e+00	3800	1
1908	0.000000e+00	0.000000e+00	1800	1
1909	0.000000e+00	0.000000e+00	2300	1
1910	0.000000e+00	0.000000e+00	1500	1

1911	0.000000e+00	0.000000e+00	1100	0
1912	0.000000e+00	0.000000e+00	2000	1
1913	1.000000e-01	1.000000e-01	1400	0
1914	0.000000e+00	0.000000e+00	589	0
1915	-1.250000e-01	1.250000e-01	430	0
1916	0.000000e+00	0.000000e+00	4500	1
1917	3.681818e-01	3.681818e-01	4600	1
1918	0.000000e+00	0.000000e+00	633	0
1919	0.000000e+00	0.000000e+00	2100	1
1920	0.000000e+00	0.000000e+00	4000	1
1921	-1.818182e-01	1.818182e-01	1500	1
1922	0.000000e+00	0.000000e+00	1300	0
1923	1.363636e-01	1.363636e-01	1100	0
1924	0.000000e+00	0.000000e+00	655	0
1925	0.000000e+00	0.000000e+00	2600	1
1926	0.000000e+00	0.000000e+00	589	0
1927	0.000000e+00	0.000000e+00	1100	0
1928	0.000000e+00	0.000000e+00	6600	1
1929	1.000000e+00	1.000000e+00	790	0
1930	1.666667e-01	1.666667e-01	1100	0
1931	0.000000e+00	0.000000e+00	1500	1
1932	0.000000e+00	0.000000e+00	773	0
1933	1.000000e+00	1.000000e+00	642	0
1934	1.000000e-01	1.000000e-01	3200	1
1935	2.533333e-01	2.533333e-01	3600	1
1936	2.500000e-01	2.500000e-01	13600	1
1937	0.000000e+00	0.000000e+00	1900	1
1938	0.000000e+00	0.000000e+00	1300	0
1939	1.875000e-01	1.875000e-01	399	0
1940	5.000000e-01	5.000000e-01	2200	1
1941	0.000000e+00	0.000000e+00	2600	1
1942	0.000000e+00	0.000000e+00	3500	1
1943	0.000000e+00	0.000000e+00	7300	1
1944	0.000000e+00	0.000000e+00	1600	1
1945	3.333333e-02	3.333333e-02	4500	1
1946	0.000000e+00	0.000000e+00	1900	1
1947	0.000000e+00	0.000000e+00	2600	1
1948	0.000000e+00	0.000000e+00	1600	1
1949	2.000000e-01	2.000000e-01	4500	1
1950	0.000000e+00	0.000000e+00	1400	0
1951	0.000000e+00	0.000000e+00	1400	0
1952	0.000000e+00	0.000000e+00	533	0
1953	0.000000e+00	0.000000e+00	1400	0
1954	0.000000e+00	0.000000e+00	2100	1
1955	0.000000e+00	0.000000e+00	5900	1
1956	0.000000e+00	0.000000e+00	1800	1
1957	0.000000e+00	0.000000e+00	3200	1
1958	2.500000e-01	2.500000e-01	1400	0
1959	0.000000e+00	0.000000e+00	1400	0
1960	-1.500000e-01	1.500000e-01	4100	1
1961	0.000000e+00	0.000000e+00	2400	1
1962	3.000000e-01	3.000000e-01	1200	0
1963	0.000000e+00	0.000000e+00	7300	1
1964	0.000000e+00	0.000000e+00	3800	1

1965	0.000000e+00	0.000000e+00	1800	1
1966	0.000000e+00	0.000000e+00	785	0
1967	4.931818e-01	4.931818e-01	4500	1
1968	1.250000e-01	1.250000e-01	6600	1
1969	4.931818e-01	4.931818e-01	1200	0
1970	3.333333e-02	3.333333e-02	5200	1
1971	0.000000e+00	0.000000e+00	1300	0
1972	0.000000e+00	0.000000e+00	5400	1
1973	5.000000e-01	5.000000e-01	10800	1
1974	6.000000e-01	6.000000e-01	7600	1
1975	0.000000e+00	0.000000e+00	1900	1
1976	4.000000e-01	4.000000e-01	898	0
1977	2.142857e-01	2.142857e-01	12300	1
1978	2.142857e-01	2.142857e-01	2600	1
1979	5.000000e-01	5.000000e-01	1200	0
1980	0.000000e+00	0.000000e+00	2900	1
1981	0.000000e+00	0.000000e+00	2600	1
1982	0.000000e+00	0.000000e+00	6800	1
1983	-4.000000e-01	4.000000e-01	1400	0
1984	5.000000e-01	5.000000e-01	1900	1
1985	0.000000e+00	0.000000e+00	1000	0
1986	3.333333e-02	3.333333e-02	5500	1
1987	0.000000e+00	0.000000e+00	16600	1
1988	0.000000e+00	0.000000e+00	6100	1
1989	4.000000e-01	4.000000e-01	1800	1
1990	0.000000e+00	0.000000e+00	1700	1
1991	0.000000e+00	0.000000e+00	2900	1
1992	2.000000e-01	2.000000e-01	1500	1
1993	3.000000e-01	3.000000e-01	3700	1
1994	5.000000e-01	5.000000e-01	1500	1
1995	0.000000e+00	0.000000e+00	2200	1
1996	0.000000e+00	0.000000e+00	3000	1
1997	1.000000e+00	1.000000e+00	3700	1
1998	5.000000e-01	5.000000e-01	851	0
1999	6.666667e-02	6.666667e-02	902	0
2000	0.000000e+00	0.000000e+00	991	0
2001	0.000000e+00	0.000000e+00	2200	1
2002	-2.750000e-01	2.750000e-01	2800	1
2003	-1.000000e+00	1.000000e+00	825	0
2004	0.000000e+00	0.000000e+00	1100	0
2005	0.000000e+00	0.000000e+00	736	0
2006	0.000000e+00	0.000000e+00	4200	1
2007	0.000000e+00	0.000000e+00	2900	1
2008	-1.250000e-01	1.250000e-01	1400	0
2009	0.000000e+00	0.000000e+00	2000	1
2010	1.363636e-01	1.363636e-01	382	0
2011	0.000000e+00	0.000000e+00	1200	0
2012	0.000000e+00	0.000000e+00	1200	0
2013	4.000000e-01	4.000000e-01	2200	1
2014	0.000000e+00	0.000000e+00	1000	0
2015	8.500000e-01	8.500000e-01	13000	1
2016	5.000000e-01	5.000000e-01	1200	0
2017	1.363636e-01	1.363636e-01	1000	0
2018	-5.555556e-02	5.555556e-02	3700	1

2019	0.000000e+00	0.000000e+00	1700	1
2020	0.000000e+00	0.000000e+00	1500	1
2021	0.000000e+00	0.000000e+00	2100	1
2022	0.000000e+00	0.000000e+00	2100	1
2023	3.333333e-01	3.333333e-01	9300	1
2024	0.000000e+00	0.000000e+00	1800	1
2025	0.000000e+00	0.000000e+00	1200	0
2026	0.000000e+00	0.000000e+00	6400	1
2027	2.500000e-01	2.500000e-01	1500	1
2028	0.000000e+00	0.000000e+00	1000	0
2029	-4.000000e-01	4.000000e-01	979	0
2030	1.363636e-01	1.363636e-01	1700	1
2031	2.500000e-01	2.500000e-01	1300	0
2032	0.000000e+00	0.000000e+00	1300	0
2033	0.000000e+00	0.000000e+00	12800	1
2034	0.000000e+00	0.000000e+00	720	0
2035	0.000000e+00	0.000000e+00	640	0
2036	5.000000e-01	5.000000e-01	1800	1
2037	5.000000e-01	5.000000e-01	27400	1
2038	1.600000e-01	1.600000e-01	2100	1
2039	0.000000e+00	0.000000e+00	11900	1
2040	1.363636e-01	1.363636e-01	1100	0
2041	3.250000e-01	3.250000e-01	1700	1
2042	2.000000e-01	2.000000e-01	1400	0
2043	1.363636e-01	1.363636e-01	658	0
2044	4.166667e-01	4.166667e-01	484	0
2045	0.000000e+00	0.000000e+00	1300	0
2046	1.363636e-01	1.363636e-01	3200	1
2047	5.000000e-01	5.000000e-01	1200	0
2048	3.750000e-01	3.750000e-01	946	0
2049	1.250000e-01	1.250000e-01	737	0
2050	0.000000e+00	0.000000e+00	3800	1
2051	1.363636e-01	1.363636e-01	1400	0
2052	0.000000e+00	0.000000e+00	1900	1
2053	0.000000e+00	0.000000e+00	1000	0
2054	0.000000e+00	0.000000e+00	1100	0
2055	0.000000e+00	0.000000e+00	5800	1
2056	0.000000e+00	0.000000e+00	1200	0
2057	5.000000e-01	5.000000e-01	6100	1
2058	0.000000e+00	0.000000e+00	2800	1
2059	1.000000e-01	1.000000e-01	1200	0
2060	0.000000e+00	0.000000e+00	1500	1
2061	0.000000e+00	0.000000e+00	811	0
2062	0.000000e+00	0.000000e+00	463	0
2063	-8.333333e-02	8.333333e-02	2000	1
2064	-2.000000e-01	2.000000e-01	791	0
2065	0.000000e+00	0.000000e+00	1100	0
2066	3.333333e-01	3.333333e-01	13500	1
2067	3.333333e-01	3.333333e-01	572	0
2068	0.000000e+00	0.000000e+00	9700	1
2069	-1.818182e-01	1.818182e-01	1400	0
2070	5.000000e-01	5.000000e-01	2100	1
2071	0.000000e+00	0.000000e+00	726	0
2072	0.000000e+00	0.000000e+00	1200	0

2073	-1.000000e+00	1.000000e+00	1000	0
2074	-3.750000e-02	3.750000e-02	992	0
2075	-4.000000e-01	4.000000e-01	768	0
2076	-5.000000e-01	5.000000e-01	1400	0
2077	0.000000e+00	0.000000e+00	4800	1
2078	0.000000e+00	0.000000e+00	1000	0
2079	0.000000e+00	0.000000e+00	3300	1
2080	2.333333e-01	2.333333e-01	717	0
2081	-7.000000e-01	7.000000e-01	1500	1
2082	0.000000e+00	0.000000e+00	3400	1
2083	7.000000e-01	7.000000e-01	1800	1
2084	0.000000e+00	0.000000e+00	589	0
2085	0.000000e+00	0.000000e+00	5300	1
2086	-1.250000e-01	1.250000e-01	1100	0
2087	2.954545e-01	2.954545e-01	419	0
2088	0.000000e+00	0.000000e+00	700	0
2089	1.000000e+00	1.000000e+00	983	0
2090	1.363636e-01	1.363636e-01	522	0
2091	0.000000e+00	0.000000e+00	671	0
2092	2.500000e-01	2.500000e-01	2700	1
2093	0.000000e+00	0.000000e+00	1000	0
2094	2.000000e-01	2.000000e-01	1100	0
2095	-3.333333e-01	3.333333e-01	1000	0
2096	0.000000e+00	0.000000e+00	505	0
2097	0.000000e+00	0.000000e+00	676	0
2098	0.000000e+00	0.000000e+00	3200	1
2099	0.000000e+00	0.000000e+00	914	0
2100	0.000000e+00	0.000000e+00	1800	1
2101	0.000000e+00	0.000000e+00	1700	1
2102	0.000000e+00	0.000000e+00	949	0
2103	0.000000e+00	0.000000e+00	597	0
2104	0.000000e+00	0.000000e+00	1300	0
2105	0.000000e+00	0.000000e+00	1700	1
2106	1.383117e-01	1.383117e-01	1500	1
2107	5.333333e-01	5.333333e-01	16600	1
2108	0.000000e+00	0.000000e+00	515	0
2109	0.000000e+00	0.000000e+00	744	0
2110	2.500000e-01	2.500000e-01	2400	1
2111	0.000000e+00	0.000000e+00	412	0
2112	3.750000e-01	3.750000e-01	762	0
2113	4.619048e-01	4.619048e-01	696	0
2114	1.590909e-01	1.590909e-01	843	0
2115	0.000000e+00	0.000000e+00	626	0
2116	0.000000e+00	0.000000e+00	1800	1
2117	0.000000e+00	0.000000e+00	596	0
2118	0.000000e+00	0.000000e+00	1200	0
2119	0.000000e+00	0.000000e+00	402	0
2120	1.600000e-01	1.600000e-01	1700	1
2121	0.000000e+00	0.000000e+00	18100	1
2122	1.000000e+00	1.000000e+00	1800	1
2123	-5.000000e-01	5.000000e-01	8200	1
2124	0.000000e+00	0.000000e+00	426	0
2125	3.000000e-01	3.000000e-01	1100	0
2126	1.600000e-01	1.600000e-01	915	0

2127	0.000000e+00	0.000000e+00	1100	0
2128	7.000000e-01	7.000000e-01	1700	1
2129	0.000000e+00	0.000000e+00	1100	0
2130	5.000000e-01	5.000000e-01	855	0
2131	0.000000e+00	0.000000e+00	624	0
2132	-2.545455e-01	2.545455e-01	492	0
2133	3.444444e-01	3.444444e-01	556	0
2134	0.000000e+00	0.000000e+00	2300	1
2135	1.363636e-01	1.363636e-01	1700	1
2136	-2.443182e-01	2.443182e-01	741	0
2137	0.000000e+00	0.000000e+00	626	0
2138	0.000000e+00	0.000000e+00	538	0
2139	4.000000e-01	4.000000e-01	8100	1
2140	0.000000e+00	0.000000e+00	2200	1
2141	5.000000e-01	5.000000e-01	822	0
2142	7.000000e-01	7.000000e-01	1300	0
2143	0.000000e+00	0.000000e+00	66900	1
2144	0.000000e+00	0.000000e+00	4300	1
2145	0.000000e+00	0.000000e+00	3800	1
2146	1.722222e-01	1.722222e-01	816	0
2147	-1.500000e-01	1.500000e-01	596	0
2148	0.000000e+00	0.000000e+00	11400	1
2149	0.000000e+00	0.000000e+00	2000	1
2150	5.000000e-01	5.000000e-01	1600	1
2151	4.000000e-01	4.000000e-01	1300	0
2152	0.000000e+00	0.000000e+00	869	0
2153	0.000000e+00	0.000000e+00	1700	1
2154	0.000000e+00	0.000000e+00	612	0
2155	3.750000e-01	3.750000e-01	9200	1
2156	0.000000e+00	0.000000e+00	4400	1
2157	1.363636e-01	1.363636e-01	1200	0
2158	5.000000e-01	5.000000e-01	1400	0
2159	4.000000e-01	4.000000e-01	746	0
2160	8.000000e-02	8.000000e-02	1000	0
2161	0.000000e+00	0.000000e+00	1700	1
2162	1.600000e-01	1.600000e-01	2100	1
2163	5.000000e-01	5.000000e-01	3300	1
2164	0.000000e+00	0.000000e+00	67500	1
2165	5.000000e-01	5.000000e-01	3000	1
2166	0.000000e+00	0.000000e+00	526	0
2167	5.000000e-01	5.000000e-01	15600	1
2168	0.000000e+00	0.000000e+00	2200	1
2169	0.000000e+00	0.000000e+00	850	0
2170	-1.250000e-01	1.250000e-01	840	0
2171	8.500000e-01	8.500000e-01	8400	1
2172	0.000000e+00	0.000000e+00	914	0
2173	0.000000e+00	0.000000e+00	1400	0
2174	0.000000e+00	0.000000e+00	1200	0
2175	0.000000e+00	0.000000e+00	1700	1
2176	0.000000e+00	0.000000e+00	7400	1
2177	0.000000e+00	0.000000e+00	1600	1
2178	-5.000000e-01	5.000000e-01	1400	0
2179	2.500000e-01	2.500000e-01	2900	1
2180	0.000000e+00	0.000000e+00	1700	1

2181	0.000000e+00	0.000000e+00	539	0
2182	0.000000e+00	0.000000e+00	7200	1
2183	2.857143e-01	2.857143e-01	1200	0
2184	0.000000e+00	0.000000e+00	858	0
2185	2.000000e-01	2.000000e-01	786	0
2186	0.000000e+00	0.000000e+00	717	0
2187	4.102564e-02	4.102564e-02	1600	1
2188	0.000000e+00	0.000000e+00	436	0
2189	5.000000e-01	5.000000e-01	3000	1
2190	1.363636e-01	1.363636e-01	2000	1
2191	0.000000e+00	0.000000e+00	816	0
2192	0.000000e+00	0.000000e+00	10300	1
2193	0.000000e+00	0.000000e+00	6100	1
2194	0.000000e+00	0.000000e+00	477	0
2195	3.333333e-02	3.333333e-02	2200	1
2196	0.000000e+00	0.000000e+00	2400	1
2197	0.000000e+00	0.000000e+00	1000	0
2198	1.363636e-01	1.363636e-01	729	0
2199	5.000000e-01	5.000000e-01	564	0
2200	5.000000e-01	5.000000e-01	736	0
2201	0.000000e+00	0.000000e+00	1600	1
2202	5.000000e-01	5.000000e-01	4700	1
2203	0.000000e+00	0.000000e+00	1700	1
2204	1.363636e-01	1.363636e-01	923	0
2205	1.000000e-01	1.000000e-01	3000	1
2206	0.000000e+00	0.000000e+00	2200	1
2207	-1.000000e+00	1.000000e+00	2200	1
2208	0.000000e+00	0.000000e+00	802	0
2209	3.333333e-02	3.333333e-02	889	0
2210	1.000000e+00	1.000000e+00	2200	1
2211	0.000000e+00	0.000000e+00	1100	0
2212	0.000000e+00	0.000000e+00	1800	1
2213	1.000000e-01	1.000000e-01	2800	1
2214	-5.555556e-02	5.555556e-02	15400	1
2215	0.000000e+00	0.000000e+00	635	0
2216	2.000000e-01	2.000000e-01	2800	1
2217	0.000000e+00	0.000000e+00	545	0
2218	0.000000e+00	0.000000e+00	989	0
2219	0.000000e+00	0.000000e+00	602	0
2220	0.000000e+00	0.000000e+00	1400	0
2221	0.000000e+00	0.000000e+00	1600	1
2222	3.500000e-01	3.500000e-01	3200	1
2223	0.000000e+00	0.000000e+00	5100	1
2224	0.000000e+00	0.000000e+00	5300	1
2225	0.000000e+00	0.000000e+00	398	0
2226	5.000000e-01	5.000000e-01	742	0
2227	0.000000e+00	0.000000e+00	1400	0
2228	0.000000e+00	0.000000e+00	1100	0
2229	0.000000e+00	0.000000e+00	1400	0
2230	-1.000000e+00	1.000000e+00	836	0
2231	0.000000e+00	0.000000e+00	678	0
2232	3.000000e-01	3.000000e-01	1000	0
2233	-5.000000e-01	5.000000e-01	1100	0
2234	0.000000e+00	0.000000e+00	1200	0

2235	5.000000e-01	5.000000e-01	1900	1
2236	1.000000e+00	1.000000e+00	1300	0
2237	5.000000e-01	5.000000e-01	2100	1
2238	0.000000e+00	0.000000e+00	1100	0
2239	0.000000e+00	0.000000e+00	4500	1
2240	1.250000e-01	1.250000e-01	1800	1
2241	5.500000e-01	5.500000e-01	390	0
2242	0.000000e+00	0.000000e+00	1500	1
2243	0.000000e+00	0.000000e+00	6500	1
2244	0.000000e+00	0.000000e+00	1400	0
2245	2.666667e-01	2.666667e-01	2000	1
2246	4.000000e-01	4.000000e-01	1700	1
2247	0.000000e+00	0.000000e+00	413	0
2248	0.000000e+00	0.000000e+00	1400	0
2249	5.000000e-01	5.000000e-01	2500	1
2250	0.000000e+00	0.000000e+00	7600	1
2251	2.666667e-01	2.666667e-01	840	0
2252	0.000000e+00	0.000000e+00	1800	1
2253	0.000000e+00	0.000000e+00	639	0
2254	0.000000e+00	0.000000e+00	3400	1
2255	5.000000e-01	5.000000e-01	3200	1
2256	7.000000e-01	7.000000e-01	970	0
2257	0.000000e+00	0.000000e+00	2200	1
2258	5.000000e-01	5.000000e-01	664	0
2259	0.000000e+00	0.000000e+00	1800	1
2260	0.000000e+00	0.000000e+00	1400	0
2261	0.000000e+00	0.000000e+00	1400	0
2262	0.000000e+00	0.000000e+00	639	0
2263	0.000000e+00	0.000000e+00	717	0
2264	0.000000e+00	0.000000e+00	2800	1
2265	4.000000e-01	4.000000e-01	3500	1
2266	4.000000e-01	4.000000e-01	674	0
2267	0.000000e+00	0.000000e+00	807	0
2268	0.000000e+00	0.000000e+00	1100	0
2269	0.000000e+00	0.000000e+00	822	0
2270	0.000000e+00	0.000000e+00	1000	0
2271	1.363636e-01	1.363636e-01	774	0
2272	0.000000e+00	0.000000e+00	2200	1
2273	0.000000e+00	0.000000e+00	1000	0
2274	1.363636e-01	1.363636e-01	336	0
2275	2.500000e-01	2.500000e-01	2900	1
2276	1.000000e-01	1.000000e-01	1200	0
2277	5.000000e-01	5.000000e-01	608	0
2278	0.000000e+00	0.000000e+00	2300	1
2279	0.000000e+00	0.000000e+00	520	0
2280	-1.250000e-01	1.250000e-01	375	0
2281	0.000000e+00	0.000000e+00	880	0
2282	0.000000e+00	0.000000e+00	972	0
2283	0.000000e+00	0.000000e+00	1000	0
2284	0.000000e+00	0.000000e+00	937	0
2285	2.000000e-01	2.000000e-01	969	0
2286	6.000000e-01	6.000000e-01	2600	1
2287	0.000000e+00	0.000000e+00	16800	1
2288	0.000000e+00	0.000000e+00	1200	0

2289	-1.500000e-01	1.500000e-01	694	0
2290	2.500000e-01	2.500000e-01	2200	1
2291	0.000000e+00	0.000000e+00	9900	1
2292	1.363636e-01	1.363636e-01	1500	1
2293	-7.142857e-02	7.142857e-02	1100	0
2294	0.000000e+00	0.000000e+00	725	0
2295	0.000000e+00	0.000000e+00	438	0
2296	7.777778e-02	7.777778e-02	354	0
2297	0.000000e+00	0.000000e+00	1500	1
2298	0.000000e+00	0.000000e+00	1100	0
2299	0.000000e+00	0.000000e+00	4100	1
2300	0.000000e+00	0.000000e+00	1700	1
2301	2.681818e-01	2.681818e-01	4700	1
2302	0.000000e+00	0.000000e+00	14500	1
2303	0.000000e+00	0.000000e+00	8600	1
2304	3.000000e-01	3.000000e-01	759	0
2305	1.000000e+00	1.000000e+00	4400	1
2306	0.000000e+00	0.000000e+00	591	0
2307	-5.000000e-02	5.000000e-02	4000	1
2308	5.500000e-01	5.500000e-01	510	0
2309	2.500000e-01	2.500000e-01	6500	1
2310	0.000000e+00	0.000000e+00	2000	1
2311	-8.000000e-01	8.000000e-01	723	0
2312	1.666667e-01	1.666667e-01	2500	1
2313	0.000000e+00	0.000000e+00	1100	0
2314	0.000000e+00	0.000000e+00	4100	1
2315	0.000000e+00	0.000000e+00	1600	1
2316	1.000000e+00	1.000000e+00	706	0
2317	5.000000e-01	5.000000e-01	1000	0
2318	0.000000e+00	0.000000e+00	877	0
2319	2.666667e-01	2.666667e-01	454	0
2320	0.000000e+00	0.000000e+00	3000	1
2321	1.375000e-01	1.375000e-01	1100	0
2322	5.000000e-01	5.000000e-01	19200	1
2323	0.000000e+00	0.000000e+00	386	0
2324	-3.333333e-01	3.333333e-01	1900	1
2325	-1.000000e-01	1.000000e-01	4900	1
2326	2.000000e-01	2.000000e-01	472	0
2327	0.000000e+00	0.000000e+00	1800	1
2328	0.000000e+00	0.000000e+00	4100	1
2329	0.000000e+00	0.000000e+00	755	0
2330	0.000000e+00	0.000000e+00	4800	1
2331	0.000000e+00	0.000000e+00	764	0
2332	-1.500000e-01	1.500000e-01	1200	0
2333	0.000000e+00	0.000000e+00	1200	0
2334	0.000000e+00	0.000000e+00	14800	1
2335	5.681818e-01	5.681818e-01	5500	1
2336	0.000000e+00	0.000000e+00	1400	0
2337	2.125000e-01	2.125000e-01	3600	1
2338	3.333333e-02	3.333333e-02	4800	1
2339	0.000000e+00	0.000000e+00	10500	1
2340	0.000000e+00	0.000000e+00	934	0
2341	0.000000e+00	0.000000e+00	638	0
2342	2.500000e-01	2.500000e-01	2000	1

2343	-1.500000e-01	1.500000e-01	634	0
2344	0.000000e+00	0.000000e+00	1300	0
2345	4.000000e-01	4.000000e-01	594	0
2346	5.500000e-01	5.500000e-01	11300	1
2347	3.000000e-01	3.000000e-01	1500	1
2348	-2.818182e-01	2.818182e-01	1100	0
2349	-2.000000e-01	2.000000e-01	623	0
2350	4.000000e-01	4.000000e-01	16700	1
2351	6.000000e-01	6.000000e-01	2300	1
2352	0.000000e+00	0.000000e+00	11100	1
2353	0.000000e+00	0.000000e+00	14300	1
2354	-6.000000e-01	6.000000e-01	7300	1
2355	-2.500000e-01	2.500000e-01	469	0
2356	-5.000000e-01	5.000000e-01	859	0
2357	0.000000e+00	0.000000e+00	1600	1
2358	0.000000e+00	0.000000e+00	4300	1
2359	5.000000e-01	5.000000e-01	2000	1
2360	0.000000e+00	0.000000e+00	13200	1
2361	0.000000e+00	0.000000e+00	827	0
2362	0.000000e+00	0.000000e+00	5500	1
2363	0.000000e+00	0.000000e+00	1400	0
2364	-2.500000e-01	2.500000e-01	1500	1
2365	-4.000000e-01	4.000000e-01	1200	0
2366	0.000000e+00	0.000000e+00	1300	0
2367	3.333333e-02	3.333333e-02	6000	1
2368	3.166667e-01	3.166667e-01	5000	1
2369	3.333333e-02	3.333333e-02	1700	1
2370	0.000000e+00	0.000000e+00	1700	1
2371	0.000000e+00	0.000000e+00	6900	1
2372	2.556818e-01	2.556818e-01	1600	1
2373	0.000000e+00	0.000000e+00	4600	1
2374	6.000000e-01	6.000000e-01	3300	1
2375	0.000000e+00	0.000000e+00	1400	0
2376	-3.750000e-01	3.750000e-01	1000	0
2377	8.500000e-01	8.500000e-01	2200	1
2378	0.000000e+00	0.000000e+00	1500	1
2379	5.000000e-01	5.000000e-01	11700	1
2380	2.500000e-01	2.500000e-01	3200	1
2381	0.000000e+00	0.000000e+00	4800	1
2382	0.000000e+00	0.000000e+00	2400	1
2383	1.000000e+00	1.000000e+00	1300	0
2384	1.000000e+00	1.000000e+00	1500	1
2385	0.000000e+00	0.000000e+00	16800	1
2386	0.000000e+00	0.000000e+00	5500	1
2387	-1.666667e-01	1.666667e-01	4600	1
2388	0.000000e+00	0.000000e+00	25300	1
2389	0.000000e+00	0.000000e+00	4000	1
2390	-1.000000e-01	1.000000e-01	4300	1
2391	0.000000e+00	0.000000e+00	6400	1
2392	5.500000e-01	5.500000e-01	2400	1
2393	1.121212e-01	1.121212e-01	3400	1
2394	0.000000e+00	0.000000e+00	3400	1
2395	5.000000e-01	5.000000e-01	1600	1
2396	5.000000e-01	5.000000e-01	26800	1

2397	5.000000e-01	5.000000e-01	5800	1
2398	5.000000e-01	5.000000e-01	933	0
2399	5.500000e-01	5.500000e-01	4000	1
2400	0.000000e+00	0.000000e+00	2000	1
2401	6.818182e-02	6.818182e-02	2200	1
2402	0.000000e+00	0.000000e+00	5100	1
2403	1.000000e-01	1.000000e-01	1600	1
2404	0.000000e+00	0.000000e+00	3000	1
2405	0.000000e+00	0.000000e+00	2700	1
2406	−5.000000e-01	5.000000e-01	19800	1
2407	2.375000e-01	2.375000e-01	2100	1
2408	5.000000e-01	5.000000e-01	917	0
2409	1.000000e+00	1.000000e+00	40400	1
2410	0.000000e+00	0.000000e+00	2600	1
2411	0.000000e+00	0.000000e+00	1200	0
2412	7.000000e-01	7.000000e-01	2300	1
2413	1.363636e-01	1.363636e-01	2100	1
2414	0.000000e+00	0.000000e+00	1800	1
2415	0.000000e+00	0.000000e+00	6400	1
2416	5.000000e-01	5.000000e-01	837	0
2417	−1.083333e-01	1.083333e-01	1400	0
2418	0.000000e+00	0.000000e+00	1200	0
2419	0.000000e+00	0.000000e+00	962	0
2420	0.000000e+00	0.000000e+00	1000	0
2421	3.000000e-01	3.000000e-01	3500	1
2422	5.000000e-01	5.000000e-01	4900	1
2423	5.000000e-01	5.000000e-01	3000	1
2424	0.000000e+00	0.000000e+00	1800	1
2425	5.000000e-01	5.000000e-01	2200	1
2426	1.000000e+00	1.000000e+00	9800	1
2427	6.875000e-01	6.875000e-01	1200	0
2428	0.000000e+00	0.000000e+00	4600	1
2429	−1.666667e-01	1.666667e-01	32700	1
2430	0.000000e+00	0.000000e+00	1700	1
2431	−1.250000e-01	1.250000e-01	887	0
2432	0.000000e+00	0.000000e+00	7500	1
2433	3.571429e-01	3.571429e-01	1600	1
2434	0.000000e+00	0.000000e+00	968	0
2435	0.000000e+00	0.000000e+00	1900	1
2436	0.000000e+00	0.000000e+00	1700	1
2437	5.000000e-02	5.000000e-02	2700	1
2438	0.000000e+00	0.000000e+00	14700	1
2439	0.000000e+00	0.000000e+00	1400	0
2440	4.000000e-01	4.000000e-01	1800	1
2441	0.000000e+00	0.000000e+00	2000	1
2442	0.000000e+00	0.000000e+00	18600	1
2443	0.000000e+00	0.000000e+00	23700	1
2444	0.000000e+00	0.000000e+00	5700	1
2445	−5.000000e-02	5.000000e-02	5800	1
2446	0.000000e+00	0.000000e+00	1800	1
2447	0.000000e+00	0.000000e+00	972	0
2448	0.000000e+00	0.000000e+00	2400	1
2449	7.500000e-02	7.500000e-02	1600	1
2450	1.666667e-01	1.666667e-01	1900	1

2451	0.000000e+00	0.000000e+00	1900	1
2452	0.000000e+00	0.000000e+00	42700	1
2453	1.000000e+00	1.000000e+00	12300	1
2454	0.000000e+00	0.000000e+00	1400	0
2455	0.000000e+00	0.000000e+00	1200	0
2456	0.000000e+00	0.000000e+00	856	0
2457	0.000000e+00	0.000000e+00	1200	0
2458	0.000000e+00	0.000000e+00	1700	1
2459	-4.000000e-01	4.000000e-01	783	0
2460	0.000000e+00	0.000000e+00	1800	1
2461	0.000000e+00	0.000000e+00	899	0
2462	0.000000e+00	0.000000e+00	3200	1
2463	5.000000e-01	5.000000e-01	1800	1
2464	0.000000e+00	0.000000e+00	1500	1
2465	0.000000e+00	0.000000e+00	5500	1
2466	3.500000e-01	3.500000e-01	3100	1
2467	0.000000e+00	0.000000e+00	1400	0
2468	1.000000e+00	1.000000e+00	989	0
2469	5.000000e-01	5.000000e-01	1700	1
2470	2.666667e-01	2.666667e-01	3700	1
2471	3.000000e-01	3.000000e-01	4600	1
2472	0.000000e+00	0.000000e+00	1300	0
2473	0.000000e+00	0.000000e+00	568	0
2474	0.000000e+00	0.000000e+00	2500	1
2475	0.000000e+00	0.000000e+00	775	0
2476	0.000000e+00	0.000000e+00	727	0
2477	2.500000e-01	2.500000e-01	3900	1
2478	0.000000e+00	0.000000e+00	2300	1
2479	-5.000000e-01	5.000000e-01	3000	1
2480	0.000000e+00	0.000000e+00	1700	1
2481	2.250000e-01	2.250000e-01	2500	1
2482	0.000000e+00	0.000000e+00	1600	1
2483	0.000000e+00	0.000000e+00	1600	1
2484	0.000000e+00	0.000000e+00	1100	0
2485	0.000000e+00	0.000000e+00	1800	1
2486	0.000000e+00	0.000000e+00	6100	1
2487	-7.800000e-01	7.800000e-01	407	0
2488	5.000000e-01	5.000000e-01	685	0
2489	0.000000e+00	0.000000e+00	2700	1
2490	0.000000e+00	0.000000e+00	3500	1
2491	2.500000e-01	2.500000e-01	1300	0
2492	2.765152e-01	2.765152e-01	591	0
2493	1.363636e-01	1.363636e-01	656	0
2494	2.500000e-01	2.500000e-01	1300	0
2495	-2.500000e-01	2.500000e-01	5200	1
2496	6.000000e-01	6.000000e-01	1800	1
2497	0.000000e+00	0.000000e+00	1300	0
2498	-1.500000e-01	1.500000e-01	1400	0
2499	3.000000e-01	3.000000e-01	1900	1
2500	5.000000e-01	5.000000e-01	595	0
2501	0.000000e+00	0.000000e+00	3800	1
2502	0.000000e+00	0.000000e+00	856	0
2503	0.000000e+00	0.000000e+00	1600	1
2504	0.000000e+00	0.000000e+00	680	0

2505	0.000000e+00	0.000000e+00	1900	1
2506	0.000000e+00	0.000000e+00	2200	1
2507	2.142857e-01	2.142857e-01	1200	0
2508	0.000000e+00	0.000000e+00	3400	1
2509	-3.958333e-01	3.958333e-01	473	0
2510	3.333333e-02	3.333333e-02	5100	1
2511	5.000000e-01	5.000000e-01	681	0
2512	3.333333e-02	3.333333e-02	3500	1
2513	1.600000e-01	1.600000e-01	1400	0
2514	1.666667e-02	1.666667e-02	2600	1
2515	-1.000000e+00	1.000000e+00	10800	1
2516	5.000000e-01	5.000000e-01	1200	0
2517	0.000000e+00	0.000000e+00	1500	1
2518	1.931818e-01	1.931818e-01	896	0
2519	2.142857e-01	2.142857e-01	1100	0
2520	2.500000e-01	2.500000e-01	705	0
2521	0.000000e+00	0.000000e+00	1900	1
2522	-4.166667e-01	4.166667e-01	670	0
2523	0.000000e+00	0.000000e+00	10100	1
2524	1.300000e-01	1.300000e-01	2300	1
2525	-4.000000e-01	4.000000e-01	12500	1
2526	0.000000e+00	0.000000e+00	10400	1
2527	0.000000e+00	0.000000e+00	1900	1
2528	-1.250000e-01	1.250000e-01	872	0
2529	1.000000e-01	1.000000e-01	858	0
2530	1.000000e+00	1.000000e+00	1600	1
2531	0.000000e+00	0.000000e+00	2500	1
2532	0.000000e+00	0.000000e+00	12000	1
2533	-3.500000e-01	3.500000e-01	2200	1
2534	0.000000e+00	0.000000e+00	726	0
2535	2.000000e-01	2.000000e-01	1900	1
2536	0.000000e+00	0.000000e+00	557	0
2537	2.000000e-01	2.000000e-01	1400	0
2538	0.000000e+00	0.000000e+00	2700	1
2539	-4.000000e-01	4.000000e-01	998	0
2540	0.000000e+00	0.000000e+00	8600	1
2541	1.232323e-01	1.232323e-01	1600	1
2542	0.000000e+00	0.000000e+00	4200	1
2543	4.000000e-01	4.000000e-01	1500	1
2544	0.000000e+00	0.000000e+00	630	0
2545	0.000000e+00	0.000000e+00	1900	1
2546	0.000000e+00	0.000000e+00	416	0
2547	1.363636e-01	1.363636e-01	578	0
2548	0.000000e+00	0.000000e+00	1400	0
2549	0.000000e+00	0.000000e+00	1100	0
2550	1.000000e+00	1.000000e+00	2600	1
2551	8.000000e-01	8.000000e-01	4400	1
2552	7.000000e-01	7.000000e-01	2000	1
2553	0.000000e+00	0.000000e+00	2500	1
2554	1.363636e-01	1.363636e-01	809	0
2555	1.715909e-01	1.715909e-01	2000	1
2556	0.000000e+00	0.000000e+00	462	0
2557	0.000000e+00	0.000000e+00	20000	1
2558	0.000000e+00	0.000000e+00	5100	1

```
2559          5.000000e-01              5.000000e-01   3100   1
2560          6.000000e-01              6.000000e-01    756   0
2561          0.000000e+00              0.000000e+00   2400   1
2562          1.363636e-01              1.363636e-01    786   0
2563          0.000000e+00              0.000000e+00   6600   1
2564          1.363636e-01              1.363636e-01    991   0
 [ reached 'max' / getOption("max.print") -- omitted 37080 rows ]


Start:  AIC=-9246.62
logshares ~ (url + n_tokens_title + n_tokens_content + num_hrefs +
    num_self_hrefs + num_imgs + num_videos + average_token_length +
    num_keywords + data_channel_is_lifestyle + data_channel_is_entertainment +
    data_channel_is_bus + data_channel_is_socmed + data_channel_is_tech +
    data_channel_is_world + self_reference_min_shares + self_reference_max_shares +
    self_reference_avg_sharess + weekday_is_monday + weekday_is_tuesday +
    weekday_is_wednesday + weekday_is_thursday + weekday_is_friday +
    weekday_is_saturday + weekday_is_sunday + is_weekend + global_rate_positive_words +
    global_rate_negative_words + avg_positive_polarity + min_positive_polarity +
    max_positive_polarity + avg_negative_polarity + min_negative_polarity +
    max_negative_polarity + title_subjectivity + title_sentiment_polarity +
    abs_title_sentiment_polarity + shares) - viral - shares -
    url - n_tokens_title


Step:  AIC=-9246.62
logshares ~ n_tokens_content + num_hrefs + num_self_hrefs + num_imgs +
    num_videos + average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_min_shares +
    self_reference_max_shares + self_reference_avg_sharess +
    weekday_is_monday + weekday_is_tuesday + weekday_is_wednesday +
    weekday_is_thursday + weekday_is_friday + weekday_is_saturday +
    weekday_is_sunday + global_rate_positive_words + global_rate_negative_words +
    avg_positive_polarity + min_positive_polarity + max_positive_polarity +
    avg_negative_polarity + min_negative_polarity + max_negative_polarity +
    title_subjectivity + title_sentiment_polarity + abs_title_sentiment_polarity


Step:  AIC=-9246.62
logshares ~ n_tokens_content + num_hrefs + num_self_hrefs + num_imgs +
    num_videos + average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_min_shares +
    self_reference_max_shares + self_reference_avg_sharess +
    weekday_is_monday + weekday_is_tuesday + weekday_is_wednesday +
    weekday_is_thursday + weekday_is_friday + weekday_is_saturday +
    global_rate_positive_words + global_rate_negative_words +
    avg_positive_polarity + min_positive_polarity + max_positive_polarity +
    avg_negative_polarity + min_negative_polarity + max_negative_polarity +
    title_subjectivity + title_sentiment_polarity + abs_title_sentiment_polarity

                          Df Sum of Sq   RSS     AIC
- weekday_is_saturday      1      0.12 31343 -9248.5
- min_negative_polarity    1      0.36 31343 -9248.2
```

```
- global_rate_positive_words      1      0.39 31343 -9248.1
- self_reference_max_shares       1      0.48 31343 -9248.0
- max_positive_polarity           1      0.57 31343 -9247.9
- n_tokens_content                1      0.79 31344 -9247.6
- abs_title_sentiment_polarity    1      0.87 31344 -9247.5
- global_rate_negative_words      1      1.28 31344 -9247.0
- self_reference_min_shares       1      1.30 31344 -9247.0
<none>                                   31343 -9246.6
- max_negative_polarity           1      2.35 31345 -9245.7
- title_subjectivity              1      3.42 31346 -9244.3
- data_channel_is_socmed          1      3.91 31347 -9243.7
- self_reference_avg_sharess      1      4.07 31347 -9243.5
- avg_positive_polarity           1      5.92 31349 -9241.1
- num_videos                      1      6.23 31349 -9240.7
- min_positive_polarity           1      8.23 31351 -9238.2
- title_sentiment_polarity        1     10.54 31353 -9235.3
- avg_negative_polarity           1     12.71 31355 -9232.6
- num_keywords                    1     36.01 31379 -9203.1
- num_imgs                        1     39.76 31383 -9198.4
- data_channel_is_tech            1     39.83 31383 -9198.3
- num_self_hrefs                  1     48.81 31392 -9186.9
- data_channel_is_lifestyle       1     51.45 31394 -9183.6
- average_token_length            1     60.33 31403 -9172.4
- weekday_is_friday               1     90.16 31433 -9134.7
- weekday_is_monday               1    106.13 31449 -9114.6
- num_hrefs                       1    119.93 31463 -9097.2
- weekday_is_thursday             1    160.12 31503 -9046.6
- weekday_is_tuesday              1    169.89 31513 -9034.3
- weekday_is_wednesday            1    172.04 31515 -9031.6
- data_channel_is_bus             1    174.02 31517 -9029.1
- data_channel_is_entertainment   1    571.94 31915 -8531.7
- data_channel_is_world           1    647.64 31990 -8437.8

Step:  AIC=-9248.47
logshares ~ n_tokens_content + num_hrefs + num_self_hrefs + num_imgs +
    num_videos + average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_min_shares +
    self_reference_max_shares + self_reference_avg_sharess +
    weekday_is_monday + weekday_is_tuesday + weekday_is_wednesday +
    weekday_is_thursday + weekday_is_friday + global_rate_positive_words +
    global_rate_negative_words + avg_positive_polarity + min_positive_polarity +
    max_positive_polarity + avg_negative_polarity + min_negative_polarity +
    max_negative_polarity + title_subjectivity + title_sentiment_polarity +
    abs_title_sentiment_polarity

                                 Df Sum of Sq   RSS     AIC
- min_negative_polarity           1      0.35 31343 -9250.0
- global_rate_positive_words      1      0.39 31343 -9250.0
- self_reference_max_shares       1      0.48 31343 -9249.9
- max_positive_polarity           1      0.57 31343 -9249.8
- n_tokens_content                1      0.78 31344 -9249.5
- abs_title_sentiment_polarity    1      0.86 31344 -9249.4
- global_rate_negative_words      1      1.28 31344 -9248.9
```

```
- self_reference_min_shares         1      1.29 31344 -9248.8
<none>                                          31343 -9248.5
- max_negative_polarity             1      2.35 31345 -9247.5
- title_subjectivity                1      3.42 31346 -9246.1
- data_channel_is_socmed            1      3.94 31347 -9245.5
- self_reference_avg_sharess        1      4.08 31347 -9245.3
- avg_positive_polarity             1      5.93 31349 -9243.0
- num_videos                        1      6.25 31349 -9242.6
- min_positive_polarity             1      8.25 31351 -9240.0
- title_sentiment_polarity          1     10.57 31353 -9237.1
- avg_negative_polarity             1     12.71 31356 -9234.4
- num_keywords                      1     35.95 31379 -9205.0
- data_channel_is_tech              1     39.73 31383 -9200.2
- num_imgs                          1     39.73 31383 -9200.2
- num_self_hrefs                    1     48.77 31392 -9188.8
- data_channel_is_lifestyle         1     51.42 31394 -9185.5
- average_token_length              1     60.41 31403 -9174.1
- num_hrefs                         1    120.05 31463 -9098.9
- weekday_is_friday                 1    137.72 31481 -9076.7
- weekday_is_monday                 1    165.38 31508 -9041.8
- data_channel_is_bus               1    174.00 31517 -9031.0
- weekday_is_thursday               1    251.05 31594 -8934.2
- weekday_is_tuesday                1    266.94 31610 -8914.3
- weekday_is_wednesday              1    270.12 31613 -8910.3
- data_channel_is_entertainment     1    571.98 31915 -8533.5
- data_channel_is_world             1    647.52 31990 -8439.8

Step:  AIC=-9250.02
logshares ~ n_tokens_content + num_hrefs + num_self_hrefs + num_imgs +
    num_videos + average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_min_shares +
    self_reference_max_shares + self_reference_avg_sharess +
    weekday_is_monday + weekday_is_tuesday + weekday_is_wednesday +
    weekday_is_thursday + weekday_is_friday + global_rate_positive_words +
    global_rate_negative_words + avg_positive_polarity + min_positive_polarity +
    max_positive_polarity + avg_negative_polarity + max_negative_polarity +
    title_subjectivity + title_sentiment_polarity + abs_title_sentiment_polarity
```

	Df	Sum of Sq	RSS	AIC
- global_rate_positive_words	1	0.42	31344	-9251.5
- self_reference_max_shares	1	0.47	31344	-9251.4
- n_tokens_content	1	0.53	31344	-9251.4
- max_positive_polarity	1	0.62	31344	-9251.2
- abs_title_sentiment_polarity	1	0.88	31344	-9250.9
- self_reference_min_shares	1	1.28	31345	-9250.4
<none>			31343	-9250.0
- global_rate_negative_words	1	1.66	31345	-9249.9
- max_negative_polarity	1	2.04	31345	-9249.4
- title_subjectivity	1	3.45	31347	-9247.7
- data_channel_is_socmed	1	3.91	31347	-9247.1
- self_reference_avg_sharess	1	4.10	31347	-9246.8
- avg_positive_polarity	1	5.98	31349	-9244.5
- num_videos	1	6.38	31350	-9244.0

```
- min_positive_polarity              1       8.16 31351 -9241.7
- title_sentiment_polarity           1      10.42 31354 -9238.8
- avg_negative_polarity              1      26.51 31370 -9218.5
- num_keywords                       1      35.99 31379 -9206.5
- data_channel_is_tech               1      39.73 31383 -9201.8
- num_imgs                           1      40.25 31383 -9201.1
- num_self_hrefs                     1      48.59 31392 -9190.6
- data_channel_is_lifestyle          1      51.60 31395 -9186.8
- average_token_length               1      60.23 31403 -9175.9
- num_hrefs                          1     119.75 31463 -9100.9
- weekday_is_friday                  1     137.67 31481 -9078.3
- weekday_is_monday                  1     165.28 31509 -9043.5
- data_channel_is_bus                1     174.20 31517 -9032.3
- weekday_is_thursday                1     251.08 31594 -8935.7
- weekday_is_tuesday                 1     266.89 31610 -8915.9
- weekday_is_wednesday               1     270.13 31613 -8911.8
- data_channel_is_entertainment      1     571.68 31915 -8535.5
- data_channel_is_world              1     652.69 31996 -8435.0

Step:  AIC=-9251.49
logshares ~ n_tokens_content + num_hrefs + num_self_hrefs + num_imgs +
    num_videos + average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_min_shares +
    self_reference_max_shares + self_reference_avg_sharess +
    weekday_is_monday + weekday_is_tuesday + weekday_is_wednesday +
    weekday_is_thursday + weekday_is_friday + global_rate_negative_words +
    avg_positive_polarity + min_positive_polarity + max_positive_polarity +
    avg_negative_polarity + max_negative_polarity + title_subjectivity +
    title_sentiment_polarity + abs_title_sentiment_polarity


                                  Df Sum of Sq   RSS      AIC
- max_positive_polarity            1       0.42 31344 -9253.0
- self_reference_max_shares        1       0.48 31344 -9252.9
- n_tokens_content                 1       0.51 31344 -9252.8
- abs_title_sentiment_polarity     1       0.86 31345 -9252.4
- self_reference_min_shares        1       1.29 31345 -9251.9
<none>                                          31344 -9251.5
- global_rate_negative_words       1       1.58 31345 -9251.5
- max_negative_polarity            1       1.92 31346 -9251.1
- title_subjectivity               1       3.67 31347 -9248.9
- data_channel_is_socmed           1       4.02 31348 -9248.4
- self_reference_avg_sharess       1       4.08 31348 -9248.3
- avg_positive_polarity            1       6.08 31350 -9245.8
- num_videos                       1       6.41 31350 -9245.4
- min_positive_polarity            1       9.26 31353 -9241.8
- title_sentiment_polarity         1      10.90 31355 -9239.7
- avg_negative_polarity            1      26.21 31370 -9220.4
- num_keywords                     1      36.54 31380 -9207.3
- data_channel_is_tech             1      39.76 31383 -9203.2
- num_imgs                         1      39.84 31383 -9203.1
- num_self_hrefs                   1      48.25 31392 -9192.5
- data_channel_is_lifestyle        1      51.56 31395 -9188.3
- average_token_length             1      60.73 31404 -9176.8
```

```
- num_hrefs                         1      119.59 31463 -9102.5
- weekday_is_friday                 1      138.10 31482 -9079.2
- weekday_is_monday                 1      165.83 31509 -9044.3
- data_channel_is_bus               1      174.37 31518 -9033.6
- weekday_is_thursday               1      251.56 31595 -8936.6
- weekday_is_tuesday                1      267.40 31611 -8916.7
- weekday_is_wednesday              1      270.70 31614 -8912.6
- data_channel_is_entertainment     1      573.67 31917 -8534.5
- data_channel_is_world             1      681.04 32025 -8401.3

Step:   AIC=-9252.97
logshares ~ n_tokens_content + num_hrefs + num_self_hrefs + num_imgs +
    num_videos + average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_min_shares +
    self_reference_max_shares + self_reference_avg_sharess +
    weekday_is_monday + weekday_is_tuesday + weekday_is_wednesday +
    weekday_is_thursday + weekday_is_friday + global_rate_negative_words +
    avg_positive_polarity + min_positive_polarity + avg_negative_polarity +
    max_negative_polarity + title_subjectivity + title_sentiment_polarity +
    abs_title_sentiment_polarity

                                  Df Sum of Sq    RSS     AIC
- n_tokens_content                  1       0.32 31344 -9254.6
- self_reference_max_shares         1       0.48 31345 -9254.4
- abs_title_sentiment_polarity      1       0.88 31345 -9253.9
- self_reference_min_shares         1       1.30 31345 -9253.3
- global_rate_negative_words        1       1.54 31346 -9253.0
<none>                                           31344 -9253.0
- max_negative_polarity             1       1.81 31346 -9252.7
- title_subjectivity                1       3.61 31348 -9250.4
- data_channel_is_socmed            1       4.06 31348 -9249.8
- self_reference_avg_sharess        1       4.08 31348 -9249.8
- num_videos                        1       6.32 31350 -9247.0
- avg_positive_polarity             1       7.59 31352 -9245.4
- min_positive_polarity             1       9.16 31353 -9243.4
- title_sentiment_polarity          1      10.81 31355 -9241.3
- avg_negative_polarity             1      25.88 31370 -9222.3
- num_keywords                      1      36.34 31380 -9209.0
- data_channel_is_tech              1      39.87 31384 -9204.6
- num_imgs                          1      39.99 31384 -9204.4
- num_self_hrefs                    1      48.39 31392 -9193.8
- data_channel_is_lifestyle         1      51.62 31396 -9189.7
- average_token_length              1      63.22 31407 -9175.1
- num_hrefs                         1     119.64 31464 -9103.9
- weekday_is_friday                 1     138.03 31482 -9080.8
- weekday_is_monday                 1     165.88 31510 -9045.7
- data_channel_is_bus               1     174.36 31518 -9035.0
- weekday_is_thursday               1     251.51 31596 -8938.1
- weekday_is_tuesday                1     267.45 31612 -8918.1
- weekday_is_wednesday              1     270.62 31615 -8914.2
- data_channel_is_entertainment     1     574.18 31918 -8535.3
- data_channel_is_world             1     681.00 32025 -8402.9
```

```
Step:  AIC=-9254.56
logshares ~ num_hrefs + num_self_hrefs + num_imgs + num_videos +
    average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_min_shares +
    self_reference_max_shares + self_reference_avg_sharess +
    weekday_is_monday + weekday_is_tuesday + weekday_is_wednesday +
    weekday_is_thursday + weekday_is_friday + global_rate_negative_words +
    avg_positive_polarity + min_positive_polarity + avg_negative_polarity +
    max_negative_polarity + title_subjectivity + title_sentiment_polarity +
    abs_title_sentiment_polarity

                                 Df Sum of Sq   RSS      AIC
- self_reference_max_shares       1      0.47 31345 -9256.0
- abs_title_sentiment_polarity    1      0.86 31345 -9255.5
- self_reference_min_shares       1      1.29 31346 -9254.9
- global_rate_negative_words      1      1.54 31346 -9254.6
<none>                                        31344 -9254.6
- max_negative_polarity           1      2.41 31347 -9253.5
- title_subjectivity              1      3.62 31348 -9252.0
- self_reference_avg_sharess      1      4.08 31348 -9251.4
- data_channel_is_socmed          1      4.50 31349 -9250.9
- num_videos                      1      6.69 31351 -9248.1
- avg_positive_polarity           1      8.20 31353 -9246.2
- min_positive_polarity           1     10.68 31355 -9243.1
- title_sentiment_polarity        1     10.93 31355 -9242.7
- avg_negative_polarity           1     28.20 31373 -9220.9
- num_keywords                    1     36.47 31381 -9210.5
- data_channel_is_tech            1     40.34 31385 -9205.6
- num_imgs                        1     45.75 31390 -9198.7
- num_self_hrefs                  1     48.10 31392 -9195.8
- data_channel_is_lifestyle       1     51.58 31396 -9191.4
- average_token_length            1     63.18 31408 -9176.7
- num_hrefs                       1    129.51 31474 -9093.1
- weekday_is_friday               1    138.30 31483 -9082.0
- weekday_is_monday               1    166.25 31511 -9046.8
- data_channel_is_bus             1    179.96 31524 -9029.6
- weekday_is_thursday             1    251.78 31596 -8939.4
- weekday_is_tuesday              1    267.75 31612 -8919.4
- weekday_is_wednesday            1    270.98 31615 -8915.3
- data_channel_is_entertainment   1    590.05 31934 -8517.2
- data_channel_is_world           1    721.41 32066 -8354.5

Step:  AIC=-9255.97
logshares ~ num_hrefs + num_self_hrefs + num_imgs + num_videos +
    average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_min_shares +
    self_reference_avg_sharess + weekday_is_monday + weekday_is_tuesday +
    weekday_is_wednesday + weekday_is_thursday + weekday_is_friday +
    global_rate_negative_words + avg_positive_polarity + min_positive_polarity +
    avg_negative_polarity + max_negative_polarity + title_subjectivity +
    title_sentiment_polarity + abs_title_sentiment_polarity
```

```
                                 Df Sum of Sq    RSS      AIC
- abs_title_sentiment_polarity   1       0.85  31346  -9256.9
- self_reference_min_shares      1       0.87  31346  -9256.9
- global_rate_negative_words     1       1.55  31346  -9256.0
<none>                                         31345  -9256.0
- max_negative_polarity          1       2.42  31347  -9254.9
- title_subjectivity             1       3.64  31348  -9253.4
- data_channel_is_socmed         1       4.53  31349  -9252.2
- num_videos                     1       6.92  31352  -9249.2
- avg_positive_polarity          1       8.18  31353  -9247.6
- min_positive_polarity          1      10.64  31355  -9244.5
- title_sentiment_polarity       1      10.94  31356  -9244.1
- avg_negative_polarity          1      28.25  31373  -9222.3
- num_keywords                   1      36.37  31381  -9212.0
- data_channel_is_tech           1      40.38  31385  -9206.9
- self_reference_avg_sharess     1      43.53  31388  -9203.0
- num_imgs                       1      45.57  31390  -9200.4
- num_self_hrefs                 1      48.06  31393  -9197.2
- data_channel_is_lifestyle      1      51.51  31396  -9192.9
- average_token_length           1      63.44  31408  -9177.8
- num_hrefs                      1     130.23  31475  -9093.6
- weekday_is_friday              1     138.36  31483  -9083.4
- weekday_is_monday              1     166.56  31511  -9047.9
- data_channel_is_bus            1     179.68  31525  -9031.4
- weekday_is_thursday            1     251.96  31597  -8940.6
- weekday_is_tuesday             1     267.96  31613  -8920.5
- weekday_is_wednesday           1     271.27  31616  -8916.3
- data_channel_is_entertainment  1     590.02  31935  -8518.7
- data_channel_is_world          1     720.98  32066  -8356.4

Step:  AIC=-9256.89
logshares ~ num_hrefs + num_self_hrefs + num_imgs + num_videos +
    average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_min_shares +
    self_reference_avg_sharess + weekday_is_monday + weekday_is_tuesday +
    weekday_is_wednesday + weekday_is_thursday + weekday_is_friday +
    global_rate_negative_words + avg_positive_polarity + min_positive_polarity +
    avg_negative_polarity + max_negative_polarity + title_subjectivity +
    title_sentiment_polarity

                               Df Sum of Sq    RSS      AIC
- self_reference_min_shares    1       0.88  31347  -9257.8
- global_rate_negative_words   1       1.51  31347  -9257.0
<none>                                       31346  -9256.9
- max_negative_polarity        1       2.49  31348  -9255.7
- data_channel_is_socmed       1       4.52  31350  -9253.2
- num_videos                   1       6.88  31353  -9250.2
- avg_positive_polarity        1       8.65  31354  -9248.0
- min_positive_polarity        1      10.75  31356  -9245.3
- title_subjectivity           1      12.23  31358  -9243.4
- title_sentiment_polarity     1      15.17  31361  -9239.7
- avg_negative_polarity        1      28.92  31375  -9222.3
- num_keywords                 1      36.41  31382  -9212.9
```

```
- data_channel_is_tech              1     40.62 31386 -9207.6
- self_reference_avg_sharess        1     43.46 31389 -9204.0
- num_imgs                          1     45.63 31391 -9201.2
- num_self_hrefs                    1     48.29 31394 -9197.9
- data_channel_is_lifestyle         1     51.57 31397 -9193.7
- average_token_length              1     64.76 31410 -9177.1
- num_hrefs                         1    130.49 31476 -9094.2
- weekday_is_friday                 1    138.60 31484 -9084.0
- weekday_is_monday                 1    166.81 31513 -9048.5
- data_channel_is_bus               1    179.87 31526 -9032.0
- weekday_is_thursday               1    252.39 31598 -8941.0
- weekday_is_tuesday                1    268.23 31614 -8921.1
- weekday_is_wednesday              1    271.57 31617 -8916.9
- data_channel_is_entertainment  1    590.95 31937 -8518.4
- data_channel_is_world             1    721.07 32067 -8357.3

Step:  AIC=-9257.78
logshares ~ num_hrefs + num_self_hrefs + num_imgs + num_videos +
    average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_avg_sharess +
    weekday_is_monday + weekday_is_tuesday + weekday_is_wednesday +
    weekday_is_thursday + weekday_is_friday + global_rate_negative_words +
    avg_positive_polarity + min_positive_polarity + avg_negative_polarity +
    max_negative_polarity + title_subjectivity + title_sentiment_polarity

                                   Df Sum of Sq   RSS     AIC
- global_rate_negative_words        1      1.50 31348 -9257.9
<none>                                          31347 -9257.8
- max_negative_polarity             1      2.46 31349 -9256.7
- data_channel_is_socmed            1      4.50 31351 -9254.1
- num_videos                        1      6.67 31353 -9251.3
- avg_positive_polarity             1      8.64 31355 -9248.8
- min_positive_polarity             1     10.69 31357 -9246.3
- title_subjectivity                1     12.20 31359 -9244.3
- title_sentiment_polarity          1     15.20 31362 -9240.6
- avg_negative_polarity             1     28.84 31375 -9223.3
- num_keywords                      1     36.28 31383 -9213.9
- data_channel_is_tech              1     40.70 31387 -9208.3
- num_imgs                          1     45.62 31392 -9202.1
- num_self_hrefs                    1     49.41 31396 -9197.3
- data_channel_is_lifestyle         1     51.51 31398 -9194.7
- average_token_length              1     64.66 31411 -9178.1
- num_hrefs                         1    130.35 31477 -9095.3
- weekday_is_friday                 1    138.85 31485 -9084.6
- self_reference_avg_sharess        1    164.80 31511 -9051.9
- weekday_is_monday                 1    167.03 31514 -9049.1
- data_channel_is_bus               1    180.45 31527 -9032.2
- weekday_is_thursday               1    252.60 31599 -8941.6
- weekday_is_tuesday                1    268.48 31615 -8921.7
- weekday_is_wednesday              1    272.05 31619 -8917.2
- data_channel_is_entertainment  1    591.62 31938 -8518.5
- data_channel_is_world             1    721.50 32068 -8357.6
```

```
Step:  AIC=-9257.88
logshares ~ num_hrefs + num_self_hrefs + num_imgs + num_videos +
    average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_avg_sharess +
    weekday_is_monday + weekday_is_tuesday + weekday_is_wednesday +
    weekday_is_thursday + weekday_is_friday + avg_positive_polarity +
    min_positive_polarity + avg_negative_polarity + max_negative_polarity +
    title_subjectivity + title_sentiment_polarity

                                  Df Sum of Sq   RSS     AIC
- max_negative_polarity            1       1.45 31350 -9258.0
<none>                                           31348 -9257.9
- data_channel_is_socmed           1       4.75 31353 -9253.9
- num_videos                       1       6.06 31354 -9252.2
- avg_positive_polarity            1       8.56 31357 -9249.0
- min_positive_polarity            1      11.04 31359 -9245.9
- title_subjectivity               1      11.56 31360 -9245.3
- title_sentiment_polarity         1      16.61 31365 -9238.9
- avg_negative_polarity            1      28.46 31377 -9223.9
- num_keywords                     1      36.65 31385 -9213.6
- data_channel_is_tech             1      39.69 31388 -9209.7
- num_imgs                         1      45.71 31394 -9202.1
- num_self_hrefs                   1      49.36 31397 -9197.5
- data_channel_is_lifestyle        1      50.89 31399 -9195.6
- average_token_length             1      69.49 31418 -9172.1
- num_hrefs                        1     135.76 31484 -9088.6
- weekday_is_friday                1     138.93 31487 -9084.6
- self_reference_avg_sharess       1     164.80 31513 -9052.0
- weekday_is_monday                1     166.98 31515 -9049.3
- data_channel_is_bus              1     178.95 31527 -9034.2
- weekday_is_thursday              1     252.44 31601 -8941.9
- weekday_is_tuesday               1     268.16 31616 -8922.2
- weekday_is_wednesday             1     271.51 31620 -8918.0
- data_channel_is_entertainment    1     590.26 31938 -8520.4
- data_channel_is_world            1     720.16 32068 -8359.4

Step:  AIC=-9258.05
logshares ~ num_hrefs + num_self_hrefs + num_imgs + num_videos +
    average_token_length + num_keywords + data_channel_is_lifestyle +
    data_channel_is_entertainment + data_channel_is_bus + data_channel_is_socmed +
    data_channel_is_tech + data_channel_is_world + self_reference_avg_sharess +
    weekday_is_monday + weekday_is_tuesday + weekday_is_wednesday +
    weekday_is_thursday + weekday_is_friday + avg_positive_polarity +
    min_positive_polarity + avg_negative_polarity + title_subjectivity +
    title_sentiment_polarity

                            Df Sum of Sq   RSS     AIC
<none>                                     31350 -9258.0
- data_channel_is_socmed     1       4.79 31354 -9254.0
- num_videos                 1       6.74 31356 -9251.5
- avg_positive_polarity      1       9.49 31359 -9248.0
- title_subjectivity         1      11.95 31361 -9244.9
- min_positive_polarity      1      12.97 31363 -9243.6
```

```
- title_sentiment_polarity       1       15.86 31365 -9240.0
- avg_negative_polarity          1       32.80 31382 -9218.6
- num_keywords                   1       36.50 31386 -9213.9
- data_channel_is_tech           1       39.29 31389 -9210.4
- num_imgs                       1       46.88 31396 -9200.8
- num_self_hrefs                 1       49.13 31399 -9198.0
- data_channel_is_lifestyle      1       50.25 31400 -9196.6
- average_token_length           1       70.78 31420 -9170.6
- weekday_is_friday              1      139.25 31489 -9084.3
- num_hrefs                      1      140.45 31490 -9082.8
- self_reference_avg_sharess     1      164.45 31514 -9052.6
- weekday_is_monday              1      167.06 31517 -9049.4
- data_channel_is_bus            1      178.26 31528 -9035.3
- weekday_is_thursday            1      252.80 31602 -8941.7
- weekday_is_tuesday             1      268.61 31618 -8921.8
- weekday_is_wednesday           1      271.79 31621 -8917.8
- data_channel_is_entertainment  1      589.19 31939 -8521.9
- data_channel_is_world          1      721.31 32071 -8358.2
```

```
[1] 0.8786654
```

```
[1] 0.4934416
```

```
[1] 0.7588599
```

The model predicted that 76% of the articles went viral while only 49% of the articles went viral.

Part 2: Predicting if an article is going to go viral

Now lets examine a probablistic model predicting whether or not an article exceeds a "viral" threshold.

```
n_TRUE n_TRUE n_TRUE n_TRUE
 16256  15698   3826   3864
```

The Logit model Appears to produce better results. The last Values printed is the confusion matrix.