

# Krill Lengths Appendix

#Data Description Table

```
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.0
```

```
## v ggplot2 3.2.1    v purrr 0.3.3
## v tibble 2.1.3     v dplyr 0.8.3
## v tidyr 1.0.0      v stringr 1.4.0
## v readr 1.3.1      v forcats 0.4.0
```

```
## -- Conflicts ----- tidyverse_conflict_
```

```
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
```

```
load("../data/allLengths.rda")
```

```
tally <- as.data.frame(group_by_at(allLengths, vars(year, region, shore, species)) %>% tally())
```

```
tally <- na.omit(tally)
```

```
knitr::kable(tally)
```

	year	region	shore	species	n
1	2011	central	onshore	EP	113
2	2011	central	onshore	TS	89
3	2011	north	offshore	EP	314
4	2011	north	offshore	ND	50
5	2011	north	offshore	TS	5
6	2011	north	onshore	EP	379
7	2011	north	onshore	TS	374
8	2011	north_central	offshore	EP	1030
9	2011	north_central	offshore	TS	191
10	2011	north_central	onshore	EP	131
11	2011	north_central	onshore	TS	669
13	2012	central	onshore	EP	169
14	2012	central	onshore	TS	107
15	2012	north	offshore	EP	94
16	2012	north	offshore	TS	43
17	2012	north	onshore	TS	95
18	2012	north_central	offshore	EP	466
19	2012	north_central	offshore	ND	61
20	2012	north_central	offshore	TS	318
21	2012	north_central	onshore	EP	488
22	2012	north_central	onshore	TS	439
23	2012	south	offshore	EP	96
24	2012	south	onshore	EP	652
25	2012	south	onshore	ND	144
26	2012	south	onshore	TS	287
28	2013	north	offshore	EP	107
29	2013	north	offshore	TS	50

	year	region	shore	species	n
30	2013	north	onshore	TS	102
31	2013	north_central	offshore	EP	519
32	2013	north_central	offshore	ND	65
33	2013	north_central	offshore	TS	127
34	2013	north_central	onshore	EP	12
35	2013	north_central	onshore	TS	702
36	2015	central	offshore	EP	145
37	2015	central	offshore	ND	7
38	2015	central	offshore	TS	6
39	2015	central	onshore	EP	41
40	2015	central	onshore	TS	56
41	2015	north	offshore	EP	310
42	2015	north	offshore	ND	51
43	2015	north	onshore	EP	134
44	2015	north	onshore	TS	1
45	2015	south	offshore	EP	173
46	2015	south	offshore	ND	224
47	2015	south	offshore	TS	158
48	2015	south	onshore	EP	297
49	2015	south	onshore	ND	137
50	2015	south	onshore	TS	81
51	2016	central	offshore	EP	85
52	2016	central	offshore	ND	84
53	2016	central	offshore	TS	3
54	2016	central	onshore	EP	402
55	2016	central	onshore	ND	7
56	2016	central	onshore	TS	1
57	2016	north	offshore	EP	298
58	2016	north	offshore	ND	39
59	2016	north	offshore	TS	87
60	2016	north	onshore	EP	4
61	2016	north	onshore	TS	43
62	2016	north_central	offshore	EP	517
63	2016	north_central	offshore	ND	183
64	2016	north_central	offshore	TS	116
65	2016	north_central	onshore	EP	261
66	2016	north_central	onshore	ND	2
67	2016	north_central	onshore	TS	140
68	2016	south	offshore	EP	125
69	2016	south	offshore	ND	131
70	2016	south	offshore	TS	6
71	2016	south	onshore	EP	29
72	2016	south	onshore	ND	44
73	2016	south	onshore	TS	6
74	2017	central	offshore	EP	247
75	2017	central	offshore	ND	59
76	2017	central	offshore	TS	61
77	2017	central	onshore	EP	308
78	2017	central	onshore	TS	115
79	2017	north	offshore	EP	107
80	2017	north	onshore	EP	246
81	2017	north	onshore	TS	148

	year	region	shore	species	n
82	2017	north_central	offshore	EP	322
83	2017	north_central	offshore	ND	153
84	2017	north_central	offshore	TS	45
85	2017	north_central	onshore	EP	127
86	2017	north_central	onshore	TS	279
87	2017	south	offshore	EP	96
88	2017	south	offshore	ND	88
89	2017	south	offshore	TS	28
90	2017	south	onshore	EP	209
91	2017	south	onshore	ND	159
92	2017	south	onshore	TS	87
93	2018	central	offshore	EP	171
94	2018	central	offshore	TS	51
95	2018	central	onshore	EP	59
96	2018	central	onshore	TS	43
97	2018	north	offshore	EP	215
98	2018	north	offshore	TS	5
99	2018	north	onshore	EP	224
100	2018	north	onshore	TS	102
101	2018	north_central	offshore	EP	474
102	2018	north_central	offshore	ND	19
103	2018	north_central	offshore	TS	103
104	2018	north_central	onshore	EP	207
105	2018	north_central	onshore	TS	589
106	2018	south	offshore	EP	283
107	2018	south	offshore	ND	52
108	2018	south	offshore	TS	106
109	2018	south	onshore	EP	195
110	2018	south	onshore	ND	252
111	2018	south	onshore	TS	8

#Regional Description Table

```
regions <- read.csv("../data/regions.csv")
knitr::kable(regions)
```

station	sites	region	latitude	shore
183	FortRoss	north	38.46670	onshore
453	FortRoss	north	38.46670	onshore
454	FortRoss	north	38.46670	offshore
166	PointReyes	north	38.16670	onshore
167	PointReyes	north	38.16670	onshore
170	PointReyes	north	38.16670	offshore
171	PointReyes	north	38.16670	offshore
138	GulfFarallons	north_central	37.70613	onshore
139	GulfFarallons	north_central	37.70613	onshore
152	GulfFarallons	north_central	37.70613	offshore
156	GulfFarallons	north_central	37.70613	offshore
131	SanMateo	north_central	37.51370	onshore
132	SanMateo	north_central	37.51370	onshore
134	SanMateo	north_central	37.51370	offshore
124	Davenport	north_central	36.98330	onshore

station	sites	region	latitude	shore
127	Davenport	north_central	36.98330	offshore
114	MontereyBay	north_central	36.65131	onshore
112	MontereyBay	north_central	36.65131	onshore
110	MontereyBay	north_central	36.65131	offshore
117	MontereyBay	north_central	36.65131	offshore
442	PiedrasBlancas	central	35.70330	onshore
445	PiedrasBlancas	central	35.70330	offshore
493	MorroBay	central	35.00000	onshore
495	MorroBay	central	35.00000	offshore
422	SantaBarbara	south	34.15000	onshore
425	SantaBarbara	south	34.15000	offshore
411	MidChannelIslands	south	33.54717	onshore
412	MidChannelIslands	south	33.54717	onshore
413	MidChannelIslands	south	33.54717	offshore
414	MidChannelIslands	south	33.54717	offshore
481	SouthernCA	south	32.87108	onshore
482	SouthernCA	south	32.87108	onshore
402	SouthernCA	south	32.87108	offshore
165	PointReyes	north	38.16670	onshore
492	MorroBay	central	35.00000	onshore
116	MontereyBay	north_central	36.74000	offshore
483	SouthernCA	south	32.81670	onshore

#Model Summary Output Temperature effects model

```
load("M9.rda")
print(summaryM9)
```

```
## $methTitle
## [1] "Linear mixed model fit by maximum likelihood "
##
## $objClass
## [1] "lmerMod"
## attr(,"package")
## [1] "lme4"
##
## $devcomp
## $devcomp$cmp
##          ldL2          ldRX2          wrss          ussq          pwrss          drsum
## 1.060392e+02 1.810247e+02 1.718643e+05 3.032798e+02 1.721676e+05          NA
##          REML          dev          sigmaML          sigmaREML
##          NA 7.857793e+04 3.406570e+00 3.409213e+00
##
## $devcomp$dims
##      N      n      p      nmp      q      nth      useSc reTrms      spFe      REML      GLMM
## 14836 14836     23  14813     27      1      1      1      0      0      0
##  NLMM
##      0
##
##
## $isLmer
## [1] TRUE
```

```
##
## $useScale
## [1] TRUE
##
## $logLik
## 'log Lik.' -39288.96 (df=25)
##
## $family
## NULL
##
## $link
## NULL
##
## $ngrps
## station.x
##      27
##
## $coefficients
##
##              Estimate Std. Error    t value
## (Intercept)    13.362511412  1.117392642   11.9586535
## speciesND        5.213559391  1.731401193    3.0111793
## speciesTS        1.359596509  1.219227171    1.1151298
## sexM           -2.892964281  1.009867482   -2.8646969
## temp_2          1.200600264  0.149087537    8.0529888
## temp_100       -0.553033272  0.230931853   -2.3947899
## dist           -0.022415217  0.011773242   -1.9039120
## speciesND:sexM   -0.439310333  0.227944118   -1.9272721
## speciesTS:sexM   -1.484159275  0.136599830  -10.8650156
## speciesND:temp_2  0.130051220  0.052863289    2.4601424
## speciesTS:temp_2 -0.030570897  0.056261983   -0.5433669
## temp_2:regionnorth -0.734755387  0.186577645   -3.9380677
## temp_2:regionnorth_central -0.397111503  0.169582237   -2.3417046
## temp_2:regionsouth -1.456015747  0.192932495   -7.5467627
## sexM:temp_2       0.052580037  0.038319494    1.3721485
## speciesND:temp_100 -0.698885698  0.233351957   -2.9949854
## speciesTS:temp_100  0.402458597  0.170229615    2.3642102
## regionnorth:temp_100  0.916690779  0.254614439    3.6003095
## regionnorth_central:temp_100  0.559081432  0.239626706    2.3331349
## regionsouth:temp_100  2.026724159  0.308939778    6.5602564
## sexM:temp_100     0.156409354  0.139035101    1.1249631
## speciesND:dist     0.006028772  0.004598743    1.3109610
## speciesTS:dist     0.013298005  0.004738869    2.8061558
##
## $sigma
## [1] 3.40657
##
## $vcov
##
## Loading required package: Matrix
##
## Attaching package: 'Matrix'
##
## The following objects are masked from 'package:tidyr':
##
```

```

##      expand, pack, unpack

## 23 x 23 Matrix of class "dpoMatrix"
##              (Intercept)      speciesND      speciesTS
## (Intercept)      1.2485663161 -2.922657e-01 -4.726702e-01
## speciesND        -0.2922656565  2.997750e+00  3.316125e-01
## speciesTS        -0.4726702222  3.316125e-01  1.486515e+00
## sexM             -0.3888635669  1.566820e-01 -1.806013e-03
## temp_2           -0.0109015362  3.183313e-02 -1.833463e-02
## temp_100         -0.1022019104 -8.952730e-03  7.784082e-02
## dist             -0.0049268791 -4.089556e-04  3.088838e-04
## speciesND:sexM    -0.0033992718 -2.699722e-02 -4.369651e-03
## speciesTS:sexM     0.0122479893 -7.110498e-03 -6.733711e-03
## speciesND:temp_2  -0.0004462033  2.129949e-02  3.692005e-04
## speciesTS:temp_2  -0.0025374159  9.743607e-04  4.894879e-03
## temp_2:regionnorth -0.0263640955 -3.726648e-02  2.803154e-02
## temp_2:regionnorth_central 0.0037166372 -3.306475e-02  1.238733e-02
## temp_2:regionsouth -0.0190408915 -4.239615e-02  2.483656e-02
## sexM:temp_2       -0.0023199540  2.607409e-03 -4.687832e-06
## speciesND:temp_100 0.0337693872 -3.790867e-01 -3.909170e-02
## speciesTS:temp_100 0.0599208567 -3.991866e-02 -1.865537e-01
## regionnorth:temp_100 0.0319316317  5.065217e-02 -3.842371e-02
## regionnorth_central:temp_100 -0.0109455414  4.563629e-02 -1.555652e-02
## regionsouth:temp_100 0.0541851839  6.482845e-02 -3.965763e-02
## sexM:temp_100     0.0478096706 -2.131821e-02  7.292407e-04
## speciesND:dist     0.0001077822  1.496684e-03  1.277067e-04
## speciesTS:dist    -0.0004747212 -4.060781e-05  1.711547e-03
##              sexM      temp_2      temp_100
## (Intercept)    -3.888636e-01 -1.090154e-02 -1.022019e-01
## speciesND       1.566820e-01  3.183313e-02 -8.952730e-03
## speciesTS      -1.806013e-03 -1.833463e-02  7.784082e-02
## sexM           1.019832e+00  6.236261e-03  3.483830e-02
## temp_2         6.236261e-03  2.222709e-02 -2.875509e-02
## temp_100       3.483830e-02 -2.875509e-02  5.332952e-02
## dist          -5.250299e-05 -2.489447e-05  1.054774e-04
## speciesND:sexM  1.263309e-02 -3.326712e-04  9.273725e-04
## speciesTS:sexM -1.961124e-02 -1.215116e-03  5.957276e-04
## speciesND:temp_2 2.143142e-03  3.251175e-04 -4.618589e-04
## speciesTS:temp_2 -8.640767e-04 -9.060595e-04  1.499033e-03
## temp_2:regionnorth -4.571892e-03 -2.165247e-02  3.191216e-02
## temp_2:regionnorth_central -8.483608e-03 -2.142742e-02  2.830079e-02
## temp_2:regionsouth -1.166618e-02 -2.144094e-02  3.052796e-02
## sexM:temp_2      8.064685e-03 -4.054108e-04  8.566742e-04
## speciesND:temp_100 -2.116748e-02 -4.534803e-03  2.188611e-03
## speciesTS:temp_100 1.466749e-03  3.605467e-03 -1.165754e-02
## regionnorth:temp_100 8.992327e-03  2.931768e-02 -4.640863e-02
## regionnorth_central:temp_100 1.420681e-02  2.882086e-02 -4.147873e-02
## regionsouth:temp_100 1.851754e-02  2.883792e-02 -4.632277e-02
## sexM:temp_100    -1.291564e-01 -9.884929e-05 -5.284100e-03
## speciesND:dist   -3.816233e-05  4.135694e-05 -4.706349e-05
## speciesTS:dist   3.271985e-04 -6.792630e-06  7.429972e-05
##              dist speciesND:sexM speciesTS:sexM
## (Intercept)    -4.926879e-03 -3.399272e-03  1.224799e-02
## speciesND      -4.089556e-04 -2.699722e-02 -7.110498e-03

```

## speciesTS	3.088838e-04	-4.369651e-03	-6.733711e-03
## sexM	-5.250299e-05	1.263309e-02	-1.961124e-02
## temp_2	-2.489447e-05	-3.326712e-04	-1.215116e-03
## temp_100	1.054774e-04	9.273725e-04	5.957276e-04
## dist	1.386092e-04	2.048464e-05	-2.387898e-06
## speciesND:sexM	2.048464e-05	5.195852e-02	4.981103e-03
## speciesTS:sexM	-2.387898e-06	4.981103e-03	1.865951e-02
## speciesND:temp_2	3.414647e-05	1.201282e-03	-1.957820e-05
## speciesTS:temp_2	3.220360e-05	-9.560509e-05	7.081417e-04
## temp_2:regionnorth	8.767873e-06	3.665581e-04	4.484318e-04
## temp_2:regionnorth_central	4.241715e-05	1.680956e-03	9.732685e-04
## temp_2:regionsouth	1.147347e-04	1.073242e-03	1.234505e-03
## sexM:temp_2	-3.922393e-06	-1.420532e-03	3.039521e-04
## speciesND:temp_100	2.601442e-05	-4.639146e-05	6.132837e-04
## speciesTS:temp_100	-6.078211e-05	3.519860e-04	-9.690417e-04
## regionnorth:temp_100	-1.247974e-04	-5.352365e-04	-8.277715e-04
## regionnorth_central:temp_100	-2.670355e-05	-2.192176e-03	-1.439150e-03
## regionsouth:temp_100	-6.804244e-04	-1.625556e-03	-1.796096e-03
## sexM:temp_100	1.183088e-05	-8.883621e-05	1.178861e-03
## speciesND:dist	-6.314291e-06	-1.971226e-05	6.099911e-06
## speciesTS:dist	-5.203599e-06	2.116152e-05	-4.647532e-05
##	speciesND:temp_2	speciesTS:temp_2	
## (Intercept)	-4.462033e-04	-2.537416e-03	
## speciesND	2.129949e-02	9.743607e-04	
## speciesTS	3.692005e-04	4.894879e-03	
## sexM	2.143142e-03	-8.640767e-04	
## temp_2	3.251175e-04	-9.060595e-04	
## temp_100	-4.618589e-04	1.499033e-03	
## dist	3.414647e-05	3.220360e-05	
## speciesND:sexM	1.201282e-03	-9.560509e-05	
## speciesTS:sexM	-1.957820e-05	7.081417e-04	
## speciesND:temp_2	2.794527e-03	5.815706e-04	
## speciesTS:temp_2	5.815706e-04	3.165411e-03	
## temp_2:regionnorth	-9.973128e-04	6.296174e-04	
## temp_2:regionnorth_central	-7.610843e-04	-2.159523e-04	
## temp_2:regionsouth	-2.510953e-03	4.902335e-04	
## sexM:temp_2	2.768932e-04	4.559260e-05	
## speciesND:temp_100	-6.590284e-03	-8.242272e-04	
## speciesTS:temp_100	-7.659663e-04	-4.663619e-03	
## regionnorth:temp_100	1.254259e-03	-1.062811e-03	
## regionnorth_central:temp_100	1.025192e-03	2.683864e-04	
## regionsouth:temp_100	3.906120e-03	-8.484135e-04	
## sexM:temp_100	-6.438765e-04	3.627894e-05	
## speciesND:dist	-4.822721e-05	-2.560814e-05	
## speciesTS:dist	-2.525103e-05	-1.217777e-04	
##	temp_2:regionnorth	temp_2:regionnorth_central	
## (Intercept)	-2.636410e-02	3.716637e-03	
## speciesND	-3.726648e-02	-3.306475e-02	
## speciesTS	2.803154e-02	1.238733e-02	
## sexM	-4.571892e-03	-8.483608e-03	
## temp_2	-2.165247e-02	-2.142742e-02	
## temp_100	3.191216e-02	2.830079e-02	
## dist	8.767873e-06	4.241715e-05	
## speciesND:sexM	3.665581e-04	1.680956e-03	

## speciesTS:sexM	4.484318e-04	9.732685e-04
## speciesND:temp_2	-9.973128e-04	-7.610843e-04
## speciesTS:temp_2	6.296174e-04	-2.159523e-04
## temp_2:regionnorth	3.481122e-02	2.155422e-02
## temp_2:regionnorth_central	2.155422e-02	2.875814e-02
## temp_2:regionsouth	2.260639e-02	2.165327e-02
## sexM:temp_2	-2.124148e-04	-1.993703e-04
## speciesND:temp_100	6.180667e-03	5.012595e-03
## speciesTS:temp_100	-4.438676e-03	-1.473812e-03
## regionnorth:temp_100	-4.357580e-02	-2.906208e-02
## regionnorth_central:temp_100	-2.882475e-02	-3.859309e-02
## regionsouth:temp_100	-3.088152e-02	-2.938621e-02
## sexM:temp_100	8.514388e-04	1.216092e-03
## speciesND:dist	-4.229187e-05	-3.755957e-06
## speciesTS:dist	3.027060e-05	5.147769e-05
##	temp_2:regionsouth	sexM:temp_2
## (Intercept)	-1.904089e-02	-2.319954e-03
## speciesND	-4.239615e-02	2.607409e-03
## speciesTS	2.483656e-02	-4.687832e-06
## sexM	-1.166618e-02	8.064685e-03
## temp_2	-2.144094e-02	-4.054108e-04
## temp_100	3.052796e-02	8.566742e-04
## dist	1.147347e-04	-3.922393e-06
## speciesND:sexM	1.073242e-03	-1.420532e-03
## speciesTS:sexM	1.234505e-03	3.039521e-04
## speciesND:temp_2	-2.510953e-03	2.768932e-04
## speciesTS:temp_2	4.902335e-04	4.559260e-05
## temp_2:regionnorth	2.260639e-02	-2.124148e-04
## temp_2:regionnorth_central	2.165327e-02	-1.993703e-04
## temp_2:regionsouth	3.722295e-02	-1.763272e-04
## sexM:temp_2	-1.763272e-04	1.468384e-03
## speciesND:temp_100	8.363095e-03	-6.461389e-04
## speciesTS:temp_100	-3.725829e-03	-4.442036e-05
## regionnorth:temp_100	-3.044238e-02	3.063934e-04
## regionnorth_central:temp_100	-2.902497e-02	2.955012e-04
## regionsouth:temp_100	-5.670333e-02	2.909073e-04
## sexM:temp_100	1.563848e-03	-3.038948e-03
## speciesND:dist	4.326799e-05	1.702179e-07
## speciesTS:dist	-9.365699e-06	-5.853394e-06
##	speciesND:temp_100	speciesTS:temp_100
## (Intercept)	3.376939e-02	5.992086e-02
## speciesND	-3.790867e-01	-3.991866e-02
## speciesTS	-3.909170e-02	-1.865537e-01
## sexM	-2.116748e-02	1.466749e-03
## temp_2	-4.534803e-03	3.605467e-03
## temp_100	2.188611e-03	-1.165754e-02
## dist	2.601442e-05	-6.078211e-05
## speciesND:sexM	-4.639146e-05	3.519860e-04
## speciesTS:sexM	6.132837e-04	-9.690417e-04
## speciesND:temp_2	-6.590284e-03	-7.659663e-04
## speciesTS:temp_2	-8.242272e-04	-4.663619e-03
## temp_2:regionnorth	6.180667e-03	-4.438676e-03
## temp_2:regionnorth_central	5.012595e-03	-1.473812e-03
## temp_2:regionsouth	8.363095e-03	-3.725829e-03



## sexM:temp_2	-6.461389e-04	-4.442036e-05
## speciesND:temp_100	5.445314e-02	5.671178e-03
## speciesTS:temp_100	5.671178e-03	2.897812e-02
## regionnorth:temp_100	-8.273509e-03	6.324060e-03
## regionnorth_central:temp_100	-6.897336e-03	1.794847e-03
## regionsouth:temp_100	-1.280681e-02	5.919956e-03
## sexM:temp_100	3.337990e-03	-1.393498e-04
## speciesND:dist	-2.101749e-04	9.947047e-07
## speciesTS:dist	1.745501e-05	-1.108427e-04
##	regionnorth:temp_100	regionnorth_central:temp_100
## (Intercept)	3.193163e-02	-1.094554e-02
## speciesND	5.065217e-02	4.563629e-02
## speciesTS	-3.842371e-02	-1.555652e-02
## sexM	8.992327e-03	1.420681e-02
## temp_2	2.931768e-02	2.882086e-02
## temp_100	-4.640863e-02	-4.147873e-02
## dist	-1.247974e-04	-2.670355e-05
## speciesND:sexM	-5.352365e-04	-2.192176e-03
## speciesTS:sexM	-8.277715e-04	-1.439150e-03
## speciesND:temp_2	1.254259e-03	1.025192e-03
## speciesTS:temp_2	-1.062811e-03	2.683864e-04
## temp_2:regionnorth	-4.357580e-02	-2.882475e-02
## temp_2:regionnorth_central	-2.906208e-02	-3.859309e-02
## temp_2:regionsouth	-3.044238e-02	-2.902497e-02
## sexM:temp_2	3.063934e-04	2.955012e-04
## speciesND:temp_100	-8.273509e-03	-6.897336e-03
## speciesTS:temp_100	6.324060e-03	1.794847e-03
## regionnorth:temp_100	6.482851e-02	4.282504e-02
## regionnorth_central:temp_100	4.282504e-02	5.742096e-02
## regionsouth:temp_100	4.589193e-02	4.319383e-02
## sexM:temp_100	-1.497575e-03	-1.997052e-03
## speciesND:dist	6.401783e-05	8.241028e-06
## speciesTS:dist	-2.519013e-05	-5.268940e-05
##	regionsouth:temp_100	sexM:temp_100 speciesND:dist
## (Intercept)	5.418518e-02	4.780967e-02 1.077822e-04
## speciesND	6.482845e-02	-2.131821e-02 1.496684e-03
## speciesTS	-3.965763e-02	7.292407e-04 1.277067e-04
## sexM	1.851754e-02	-1.291564e-01 -3.816233e-05
## temp_2	2.883792e-02	-9.884929e-05 4.135694e-05
## temp_100	-4.632277e-02	-5.284100e-03 -4.706349e-05
## dist	-6.804244e-04	1.183088e-05 -6.314291e-06
## speciesND:sexM	-1.625556e-03	-8.883621e-05 -1.971226e-05
## speciesTS:sexM	-1.796096e-03	1.178861e-03 6.099911e-06
## speciesND:temp_2	3.906120e-03	-6.438765e-04 -4.822721e-05
## speciesTS:temp_2	-8.484135e-04	3.627894e-05 -2.560814e-05
## temp_2:regionnorth	-3.088152e-02	8.514388e-04 -4.229187e-05
## temp_2:regionnorth_central	-2.938621e-02	1.216092e-03 -3.755957e-06
## temp_2:regionsouth	-5.670333e-02	1.563848e-03 4.326799e-05
## sexM:temp_2	2.909073e-04	-3.038948e-03 1.702179e-07
## speciesND:temp_100	-1.280681e-02	3.337990e-03 -2.101749e-04
## speciesTS:temp_100	5.919956e-03	-1.393498e-04 9.947047e-07
## regionnorth:temp_100	4.589193e-02	-1.497575e-03 6.401783e-05
## regionnorth_central:temp_100	4.319383e-02	-1.997052e-03 8.241028e-06
## regionsouth:temp_100	9.544379e-02	-2.510361e-03 -7.129038e-05

```

## sexM:temp_100                -2.510361e-03  1.933076e-02  4.116433e-06
## speciesND:dist                -7.129038e-05  4.116433e-06  2.114844e-05
## speciesTS:dist                3.648215e-05 -2.984436e-05  5.605683e-06
##                               speciesTS:dist
## (Intercept)                  -4.747212e-04
## speciesND                    -4.060781e-05
## speciesTS                     1.711547e-03
## sexM                         3.271985e-04
## temp_2                       -6.792630e-06
## temp_100                     7.429972e-05
## dist                         -5.203599e-06
## speciesND:sexM               2.116152e-05
## speciesTS:sexM              -4.647532e-05
## speciesND:temp_2            -2.525103e-05
## speciesTS:temp_2            -1.217777e-04
## temp_2:regionnorth           3.027060e-05
## temp_2:regionnorth_central   5.147769e-05
## temp_2:regionsouth          -9.365699e-06
## sexM:temp_2                 -5.853394e-06
## speciesND:temp_100           1.745501e-05
## speciesTS:temp_100          -1.108427e-04
## regionnorth:temp_100        -2.519013e-05
## regionnorth_central:temp_100 -5.268940e-05
## regionsouth:temp_100         3.648215e-05
## sexM:temp_100               -2.984436e-05
## speciesND:dist               5.605683e-06
## speciesTS:dist               2.245688e-05
##
## $varcor
## $station.x
## (Intercept)
## (Intercept) 1.342404
## attr(,"stddev")
## (Intercept)
## 1.158622
## attr(,"correlation")
## (Intercept)
## (Intercept) 1
##
## attr(,"sc")
## [1] 3.40657
## attr(,"useSc")
## [1] TRUE
## attr(,"class")
## [1] "VarCorr.merMod"
##
## $AICtab
##      AIC      BIC    logLik deviance df.resid
## 78627.93 78818.05 -39288.96  78577.93  14811.00
##
## $call
## lmer(formula = length ~ species * sex + temp_2 + species:temp_2 +
##       region:temp_2 + sex:temp_2 + temp_100 + species:temp_100 +
##       region:temp_100 + sex:temp_100 + dist + species:dist + (1 |

```

```

##      station.x), data = allLengthsEnvDep, REML = FALSE)
##
## $residuals
##      1          2          3          4          5
## -0.1911493331 -0.7376619527  0.3614887054  0.6940422019  0.1039471286
##      6          7          8          9         10
##  0.4339760914 -0.3525433592 -0.0931621998  1.3493641806  0.1238302777
##     11         12         13         14         15
##  0.9119349007  0.1152977452 -0.6844706148  0.0727329329 -0.4586911945
##     16         17         18         19         20
##  0.3765380574  0.6226507375  0.6613015440  0.0230446302 -0.7422804794
##     21         22         23         24         25
##  0.4091025850 -0.3537762710  0.4043079280  0.0593189014 -0.7017105869
##     26         27         28         29         30
## -0.0138852369 -0.2942258970 -0.3893178893  0.2105340664 -0.9699606388
##     31         32         33         34         35
##  0.2145336910 -0.0697515530  0.2718127186 -0.0735493617 -0.4287270344
##     36         37         38         39         40
## -0.3565503226  1.4960097439  0.1086635055  0.0266846556  0.8273728070
##     41         42         43         44         45
##  0.1744775118  1.5054155889 -0.1164309638 -0.5576763993  0.6200479236
##     46         47         48         49         50
## -0.0954323231 -0.9727175665  0.0540826957 -0.0838860062  2.1160591923
##     51         52         53         54         55
##  0.2458885463  0.4442699265  0.3333470042  0.0251190533 -1.2471480780
##     56         57         58         59         60
##  0.5318066646  0.6093235480 -1.8975775496 -0.0459201507  1.5548494812
##     61         62         63         64         65
## -0.2486230537  1.2063337484 -1.2821795805 -0.6770167363 -0.2332893607
##     66         67         68         69         70
## -0.8040204662 -1.2358158803 -0.8463607987  0.3472152474 -0.7912941917
##     71         72         73         74         75
## -0.8605030224 -0.7925374641 -0.3105621943 -1.2115375330  0.6743987857
##     76         77         78         79         80
## -0.1270672744 -0.1294523716 -0.6677321247  0.1729229176 -0.3866942823
##     81         82         83         84         85
##  0.4482181798  0.9182841518  0.2532823477 -0.4542475749  0.5074419789
##     86         87         88         89         90
##  0.9013866552  0.0006185836 -0.2981423660  0.1235061321  0.6193311544
##     91         92         93         94         95
##  0.3053789701 -0.0979776669 -0.5772721306 -0.5144706856  0.2383944314
##     96         97         98         99        100
##  0.4246338320 -0.7927931865 -0.7686486637 -0.5654567258 -0.0195079677
##    101        102        103        104        105
## -0.3253508214 -0.2436337206 -0.3603383632  0.2332939927  0.3510077149
##    106        107        108        109        110
## -0.2065362851 -0.8694832362  0.1268269213 -0.6203139623  0.1033061932
##    111        112        113        114        115
## -0.3053160046 -0.2838684764  0.0636585383 -0.0757045281 -1.3716379396
##    116        117        118        119        120
##  0.2301933663  0.2449259285 -0.5262493966 -0.1662648356 -0.4406977933
##    121        122        123        124        125
## -0.8263313231  0.5083439244 -0.2076439199 -0.6961301814 -0.5235959165
##    126        127        128        129        130

```

##	0.6349925879	0.1767420206	0.0909702545	-0.6956898558	-0.5681605411
##	131	132	133	134	135
##	-0.0657856749	0.8287725651	0.9103428907	-0.0779313239	-0.2958007833
##	136	137	138	139	140
##	-0.6578218504	-0.6576016876	-0.4709770020	-0.4503550844	-0.6369430761
##	141	142	143	144	145
##	-0.2830313396	-1.0496749799	-0.7416121511	-0.6276411969	0.4540554419
##	146	147	148	149	150
##	0.0634865955	0.0839617380	-0.1746745373	-0.5942498355	-1.1492803100
##	151	152	153	154	155
##	-0.0743903718	-0.2849761112	-0.2070384721	-0.5008274113	-0.3461630288
##	156	157	158	159	160
##	-0.5288247835	0.6301520221	1.8471925326	0.8320364375	1.0111413395
##	161	162	163	164	165
##	-0.2862928486	0.2256591004	1.0689316341	0.1951494257	-0.2619868730
##	166	167	168	169	170
##	0.6705837013	0.4683861655	-0.4972968973	1.3440666666	0.0099582448
##	171	172	173	174	175
##	1.7895783684	0.5515392171	-1.3485773544	-1.3404753625	-0.3638135137
##	176	177	178	179	180
##	0.4273048937	0.3205112475	0.3530366351	0.5886206397	0.3631934799
##	181	182	183	184	185
##	1.0069300017	-0.0372093059	-0.1390321648	-0.1320260946	0.0415796294
##	186	187	188	189	190
##	0.3877147258	-0.1055087058	0.6314202923	0.5115538670	0.1045755516
##	191	192	193	194	195
##	0.1273159248	-2.3949867853	0.8587066049	0.8056913973	0.6895628474
##	196	197	198	199	200
##	0.7288398949	0.2386498177	0.5813797291	0.7555138439	0.6232008803
##	201	202	203	204	205
##	0.8687460295	1.0435259552	-0.1594241347	0.1413084953	0.6103629415
##	206	207	208	209	210
##	0.2302934155	0.4070303441	0.9897866566	-0.2136331140	-0.2463933419
##	211	212	213	214	215
##	-0.0004176520	-0.1797378244	0.0806414066	-1.0804288221	0.2665371085
##	216	217	218	219	220
##	-0.0130403205	-0.3114049770	0.1110532310	-0.0873672892	0.4807506419
##	221	222	223	224	225
##	0.4136450137	0.6665680638	0.9211545662	0.2373190558	0.1618374553
##	226	227	228	229	230
##	0.5891490305	0.1822489952	0.3111176337	-0.8901885738	-0.3282939117
##	231	232	233	234	235
##	0.7368636066	-0.9667503938	-0.9726605425	0.4888096256	0.2007192342
##	236	237	238	239	240
##	-0.0363325227	0.3971827516	-0.2392345795	-0.2050261694	0.8560607829
##	241	242	243	244	245
##	-0.2070614524	-0.5894402418	0.0722419962	-0.1764734977	0.0950606496
##	246	247	248	249	250
##	-0.1616785560	-1.1900639905	0.6682080781	0.2963188240	-0.9971817884
##	251	252	253	254	255
##	-1.0922334174	1.3580907274	0.1431442099	0.8763744726	-0.8629313920
##	256	257	258	259	260
##	0.3725440855	0.3704500925	-0.0673314480	0.1405022561	-0.0975280022
##	261	262	263	264	265

##	-0.5233522552	-0.8056303481	0.4355987178	-0.4272242745	-0.0979389728
##	266	267	268	269	270
##	0.0852169252	-1.6450671562	0.4537597043	0.1903901394	0.5593047491
##	271	272	273	274	275
##	0.3626651014	0.2165161276	-0.2802690492	0.7194462934	-0.1175638311
##	276	277	278	279	280
##	0.2526228304	-0.2322637689	0.2818604532	0.3168908045	-0.2549454321
##	281	282	283	284	285
##	-0.3068255780	-0.8385236859	-0.8854330445	-0.1239632305	1.8808100725
##	286	287	288	289	290
##	-1.3052688687	0.2862637097	-1.3054449990	-0.0700869417	-0.0297139726
##	291	292	293	294	295
##	-0.3059253567	-0.9802302632	-0.2206978820	0.8131867305	-0.2178797979
##	296	297	298	299	300
##	0.2835043356	0.3303354141	-0.5702773034	0.3535258981	-0.3421299097
##	301	302	303	304	305
##	0.2558323151	-0.2199933610	-1.1518985543	0.4382054120	-0.1610092947
##	306	307	308	309	310
##	-0.7693044946	-0.5527034177	-0.6320011737	0.0970998129	0.9713712720
##	311	312	313	314	315
##	-0.0881109380	-0.5125457190	-0.9867470827	-0.3624827394	-0.3708782817
##	316	317	318	319	320
##	-0.0431977223	-0.8453731959	-0.8227893829	0.8685894816	0.4679909955
##	321	322	323	324	325
##	-0.3082737601	-0.0094394229	0.4098484405	0.0707976944	-0.7302427175
##	326	327	328	329	330
##	-1.2104520800	0.5810666210	-1.2744656437	0.0495837834	-0.5073792314
##	331	332	333	334	335
##	0.1005245679	0.4986768004	-1.0202118317	0.1244782830	0.3327229576
##	336	337	338	339	340
##	-0.9026546697	0.0054533688	-0.6948796757	-0.3805654459	0.4357395883
##	341	342	343	344	345
##	1.2254098136	-0.0977785322	-0.2961599124	0.5628664943	1.1859174958
##	346	347	348	349	350
##	-0.1773111285	0.0747704103	-0.2216176734	0.2909213765	-0.3648898530
##	351	352	353	354	355
##	0.2276123339	0.4370507803	-0.7572493570	0.0221466033	0.3363238429
##	356	357	358	359	360
##	1.6567919547	0.2228959570	0.2676917525	0.3494944722	-0.3579816329
##	361	362	363	364	365
##	-0.9768837883	-0.4551859651	-1.2830675060	-0.3103392329	-0.6741852052
##	366	367	368	369	370
##	0.0159322844	-1.2444949795	-0.9832155273	-0.3132551672	-1.3871409182
##	371	372	373	374	375
##	0.6806664819	0.6478866839	1.3559694598	0.1116678994	-0.0721496325
##	376	377	378	379	380
##	-0.3093219382	3.2226376890	1.6332773838	0.6437188861	1.6957449152
##	381	382	383	384	385
##	0.7149342203	1.3120940739	-2.1298042815	-0.7488843513	-1.2842029144
##	386	387	388	389	390
##	-1.1730255818	0.4143190105	-1.6554854976	-1.1808535932	-1.8772334920
##	391	392	393	394	395
##	-1.9358457278	-2.2222139567	-1.2407965909	-1.7941391504	-1.2972169835
##	396	397	398	399	400

##	-0.3843142879	-1.7808119610	0.7249345049	-1.2573332651	-1.3815050968
##	401	402	403	404	405
##	-0.5391523544	-1.8103039941	-0.4358226033	-2.2085736468	0.7767168007
##	406	407	408	409	410
##	0.5582565711	-1.9703672583	-1.6318449030	-1.8246879651	-1.8171143641
##	411	412	413	414	415
##	-1.2079580829	-2.3123926486	-1.7720837282	1.1580439814	1.6048277350
##	416	417	418	419	420
##	-0.7357476892	0.4960094828	-1.6017801662	-1.3903064368	-1.0429384286
##	421	422	423	424	425
##	-1.9101646774	-1.0935660927	-1.2505764324	-1.9184623695	-0.5723575202
##	426	427	428	429	430
##	1.7994908098	0.9409145137	-1.2110645446	-0.9994146850	-1.3838091873
##	431	432	433	434	435
##	-1.2759391895	-1.8896357173	1.2755864836	1.2394406407	1.3174859149
##	436	437	438	439	440
##	1.2136082029	1.2078350445	1.1396334947	0.4470893215	0.9275335244
##	441	442	443	444	445
##	0.5188721866	1.0220176226	0.5678951083	1.1147599883	0.9370641284
##	446	447	448	449	450
##	1.1749573964	1.5610936313	1.7855814297	1.4915417496	-0.2204443551
##	451	452	453	454	455
##	2.0403636325	1.3393847769	1.1966409881	1.2152129453	1.2068761131
##	456	457	458	459	460
##	1.2167394075	1.6068287882	0.9353811059	0.9335219532	1.7088277774
##	461	462	463	464	465
##	0.9874373821	0.4778925466	0.8536958064	1.7358735570	-0.5985568782
##	466	467	468	469	470
##	0.9920950489	0.7697990937	1.4683121256	1.2169546778	1.7502183880
##	471	472	473	474	475
##	0.5203399387	1.2397341912	0.1447519492	1.3294823425	0.7269211609
##	476	477	478	479	480
##	1.5407016615	1.0885948600	1.2287945452	1.1752313768	0.5948626077
##	481	482	483	484	485
##	0.5855277041	-0.6149369922	1.5266699509	1.2372683676	0.4594575796
##	486	487	488	489	490
##	1.0269296998	1.0155790832	0.4706712060	1.2375423480	1.3971750715
##	491	492	493	494	495
##	1.6264379569	0.8630894201	0.9120536318	1.5096048860	0.7283693430
##	496	497	498	499	500
##	0.0438880217	1.1033506616	1.2542355824	1.1189675445	1.4949665046
##	501	502	503	504	505
##	1.0633103831	1.9683850672	0.9104880295	1.2028446872	0.8809764263
##	506	507	508	509	510
##	0.9791984000	-0.1851595934	0.2144603912	0.5942559368	1.1425885690
##	511	512	513	514	515
##	0.5094590028	0.9028948584	1.0852483852	2.0259992315	1.8715134254
##	516	517	518	519	520
##	1.1638807602	1.0592006770	0.7820499316	-0.5635069570	-1.3536077229
##	521	522	523	524	525
##	-2.3462582851	1.2194009314	1.9461127957	1.7702369484	2.2341249071
##	526	527	528	529	530
##	2.1933996775	2.4250892465	1.8808663203	1.5457882901	1.8063436513
##	531	532	533	534	535

##	2.1163524748	1.0647961264	1.4546115267	2.0882890537	0.7613432624
##	536	537	538	539	540
##	-1.1927226985	1.2120485293	1.1629836718	2.1571131690	1.6841195556
##	541	542	543	544	545
##	3.1012552217	2.5242818526	2.1380114232	-2.5842085282	-2.3728312511
##	546	547	548	549	550
##	-2.5274484558	-4.0086410192	-2.6531090075	-2.4926207942	-1.2704235811
##	551	552	553	554	555
##	-2.3086695143	-2.9514820512	-1.8654293337	-2.2213382616	-2.5279307172
##	556	557	558	559	560
##	-0.2968216460	-2.2159075786	-1.9419621243	-1.8644019072	-2.1321618347
##	561	562	563	564	565
##	-1.9752954745	-3.4901918207	-2.6122411963	-2.9484151481	-2.3926263350
##	566	567	568	569	570
##	-2.7580574796	-2.2096074273	0.3929715403	-2.8509564055	0.8961561164
##	571	572	573	574	575
##	-2.9475736369	-3.8140562245	0.0325111829	-3.0773620668	-2.8654382267
##	576	577	578	579	580
##	-2.9386692739	-3.8742927727	-2.9873790751	-2.9051262448	-3.0625084150
##	581	582	583	584	585
##	-1.2663320473	-3.3385828089	-2.4974238383	-2.8700763235	-3.0105108490
##	586	587	588	589	590
##	-2.6052155560	-2.7655919407	-2.2518982591	-2.8824054416	-2.2024252268
##	591	592	593	594	595
##	-3.1881088588	0.0941874659	0.4236099739	0.3453652615	-2.1159647227
##	596	597	598	599	600
##	-2.3333762534	0.0610071666	0.5518631838	1.0892668395	0.9950911886
##	601	602	603	604	605
##	-2.4365245017	1.4714628699	-2.2917360764	-0.1603230087	-1.0633325452
##	606	607	608	609	610
##	0.6591131910	-0.7838086661	-0.6628617141	0.7779726407	-1.3488808826
##	611	612	613	614	615
##	0.4562958648	-0.9093151624	-0.1238466532	-0.2408200263	-0.6256895245
##	616	617	618	619	620
##	0.1522713011	0.1522713011	-1.8261590684	0.7232089913	0.9600846178
##	621	622	623	624	625
##	2.1684556057	0.8866383004	0.5293678577	-1.9184121834	-2.3616733319
##	626	627	628	629	630
##	1.1066641323	0.3775435756	0.1254033267	0.4369973226	-0.7424687330
##	737	738	739	740	741
##	-0.8209226565	-0.6090856584	0.2971558887	0.2449295979	-0.1853804726
##	742	743	744	745	746
##	-0.5840439721	-0.1182675057	0.4377995688	0.5479433593	-0.0362146566
##	747	748	749	750	751
##	-0.2210762048	-0.7826583580	-1.4825853245	-0.8114006144	0.2146315242
##	752	753	754	755	756
##	0.2765890117	-1.2731664481	-1.0303231859	0.2684099629	-0.9381263348
##	757	758	759	760	761
##	0.0830291973	0.1178369394	-1.2435086813	0.0968462490	-0.1537137200
##	762	763	764	765	766
##	0.2172313503	1.4938330184	1.2214108777	1.0815970631	0.2672792284
##	767	768	769	770	771
##	0.6731884133	0.9505246359	1.0189196849	1.6848809557	1.5225177529
##	772	773	774	775	776

##	-0.8934603113	-0.3619279283	-1.1457295863	0.4110281718	-0.4336246692
##	777	778	779	780	781
##	0.4206330938	0.8263610085	-0.6222813460	-0.1296488973	-0.7946896964
##	782	783	784	785	786
##	0.3228629917	-1.2598680764	-0.1382332964	-0.1043077297	0.8710426428
##	787	788	789	790	791
##	0.5460792221	1.6621397178	0.8689303178	0.1434826299	1.3671253007
##	792	793	794	795	796
##	1.4362673440	1.0855586555	0.0767875373	-0.1429779167	-0.1742654233
##	797	798	799	800	801
##	1.4296584857	0.1142061168	-1.9872296732	-0.9083401104	-0.3478972999
##	802	803	804	805	806
##	0.6157186786	0.3042616730	0.0007121820	-1.7547193861	-0.2542180191
##	807	808	809	810	811
##	-0.4153772048	0.1904558409	-0.3674550972	-0.9691417431	-0.8455386654
##	812	813	814	815	816
##	0.5238740880	-1.6869826245	-2.2651852361	-0.0805278993	-2.9115098941
##	817	818	819	820	821
##	0.1511934709	0.0927769355	0.7352854379	0.7204061005	-0.1714551449
##	822	852	853	854	855
##	-2.2942100348	-1.1110189589	-0.3397054205	-1.3394794731	1.4334957337
##	856	857	858	859	860
##	0.0813828856	0.9503508669	0.5912408415	1.2263274106	-0.8090142770
##	861	862	863	864	865
##	-0.7455095341	-0.4675368475	0.4327040396	0.2718579743	-0.2965143673
##	866	867	868	869	870
##	-0.5344859154	0.5240960733	0.0963343875	1.0579273143	0.4395144095
##	871	872	873	874	875
##	0.5403391970	-0.3107222081	-0.7159783609	1.0650312347	0.5561322101
##	876	877	878	879	880
##	1.1849759401	0.3364194987	-0.1781939742	0.0811480452	0.1318931295
##	881	882	883	884	885
##	0.7742793193	0.7361764735	-1.5020085609	0.5865831747	-2.7371122078
##	886	887	888	889	890
##	0.1391340401	0.1821293930	-0.7276029579	-0.1580564147	-0.4248937551
##	891	892	893	894	895
##	-0.6696561032	0.5501046413	0.8954765066	-0.1255114571	-1.0118184837
##	896	897	898	899	900
##	-1.3767995177	-0.5881665040	-1.0850495309	0.4185353388	-0.8832042556
##	901	902	903	904	905
##	0.3075537065	-0.0656663095	0.9400178918	-0.8392891113	0.9530906709
##	906	907	908	909	910
##	-0.5336052641	-1.3883066945	0.3488660369	0.1498192757	0.3884366348
##	911	912	913	914	915
##	-2.0218668014	1.0270262391	-0.0838664362	-0.3052230300	0.2408003388
##	916	917	918	919	920
##	1.4720682601	-0.4890638790	0.1396624309	0.1832644546	-0.1015773121
##	921	922	923	924	925
##	0.9283150146	0.2073551599	-0.3794166949	-0.0006192207	0.8879774993
##	926	927	928	929	930
##	0.3764169509	0.7542554936	-0.5788352867	-0.0764726517	0.6845861917
##	931	932	933	934	935
##	0.0759974414	-0.0900738216	0.1825953873	1.0802138905	0.6254455652
##	936	937	938	939	940



##	0.9737529348	0.0890702205	0.2099542873	-0.9793359226	-0.3432708520
##	941	942	943	944	945
##	0.5629193237	0.8076621018	-0.6270558372	0.4916844195	0.5599838194
##	946	947	948	949	950
##	-0.4537828037	0.6061299469	-0.3618409453	0.0690360445	0.2499364966
##	951	952	953	954	955
##	-3.4610729919	-2.8755132727	-0.3906639281	-0.2941041837	-1.8058705485
##	956	957	958	959	960
##	-0.4120380687	-0.0844357894	-3.1868968908	-0.2284773158	0.1336354859
##	961	962	963	964	965
##	-2.7629550299	-0.3907189688	-2.0144014348	0.5902081357	0.6718738652
##	966	967	968	969	970
##	0.8509004871	0.7395861643	0.2775182183	-0.9093061681	0.7331280548
##	971	972	973	974	975
##	-0.0618652183	-2.1186360873	0.2335247939	0.6826765210	0.5967836653
##	976	977	978	979	980
##	-0.4323845703	0.2940157524	0.0328341503	1.1938456688	0.8054588806
##	981	982	983	984	985
##	1.2889560080	0.6594860371	1.3784693189	0.7967697879	0.9625866405
##	986	987	988	989	990
##	1.2840635008	0.4249196739	-0.0012372696	0.7450266322	0.2661088916
##	991	992	993	994	995
##	2.4583085523	0.3129701983	0.7456243912	0.0707910940	0.8065263203
##	996	997	998	999	1000
##	-2.2442063028	-0.0405036589	-0.1952047352	-0.5245915564	-0.8016481212
##	1001	1002	1003	1004	1005
##	0.7735801771	0.1203937778	0.0775427538	-0.0136340095	1.0830312549
##	1006	1007	1008	1009	1010
##	-0.0761211110	-0.2477894021	-0.2931722985	0.5278686827	-0.0989201943
##	1011	1012	1013	1014	1015
##	-0.5595595282	0.3836962817	0.8003421913	0.4290791781	0.4162803794
##	1016	1017	1018	1019	1193
##	0.6903390604	-0.0780389738	-0.5730090304	-0.8180135576	-0.2142377497
##	1194	1195	1196	1197	1198
##	-0.7437440144	-0.2505010128	0.9242486659	-0.3637723385	0.1014072421
##	1199	1200	1201	1202	1203
##	1.2692878407	-1.4958006446	1.3332231242	-1.1593331424	-0.9225945060
##	1204	1205	1206	1207	1208
##	0.9217828423	-1.7718750385	-1.5007910019	-0.7792440463	0.5256854628
##	1209	1210	1211	1212	1213
##	-1.8681987194	-0.5836807502	-0.2202261785	-1.4448402901	-1.8267493988
##	1214	1215	1216	1217	1218
##	-1.4428441471	-0.3513258003	-0.3513258003	-1.4071092749	-0.6632133465
##	1219	1220	1221	1222	1223
##	1.1615744031	1.9103432685	0.3319226093	0.7969847697	0.0785298786
##	1224	1225	1226	1227	1228
##	-3.5126682253	-0.1220629149	-0.4184901385	0.7759469889	-0.9199329821
##	1229	1230	1231	1232	1233
##	0.9508834749	-0.2383871650	0.6721279870	-0.1864874491	0.4708502426
##	1234	1235	1236	1237	1238
##	-0.9478594130	0.1840906130	-0.4032646562	-0.1968528772	-0.1914711193
##	1239	1240	1241	1242	1243
##	-1.3322667983	-1.8613425223	-1.7354485281	-0.7811160819	-1.0318864288
##	1244	1245	1246	1247	1248

##	0.5617988527	-1.0465052402	-0.3475616677	-0.4160567679	-0.0258499670
##	1249	1250	1251	1252	1253
##	0.3333383385	0.0198769820	1.4935784180	-0.4695890041	-0.6621189458
##	1254	1255	1256	1257	1258
##	-0.4868889094	0.2131505847	-0.8030035819	0.1401348079	0.2574571296
##	1259	1260	1261	1262	1263
##	-0.3337925754	0.8866726901	-0.4321319693	-0.1817725930	-0.8080722193
##	1264	1265	1266	1267	1268
##	-0.7794608374	-0.6151900171	1.1718667173	-0.7647246059	-0.9145331750
##	1269	1270	1271	1272	1273
##	0.0421281045	-0.6036045602	-0.7471702902	-0.2423222616	0.3788891572
##	1274	1275	1276	1277	1278
##	-0.3476872957	-1.4681497150	-0.9111867001	-3.2845223523	-0.5973812910
##	1279	1280	1281	1282	1283
##	-0.0694406287	1.5725043435	-0.1280332944	1.3716179996	0.2028958897
##	1284	1285	1286	1287	1288
##	1.6736618215	-0.1873500512	0.2724086314	-1.8818796903	0.1747933286
##	1289	1290	1291	1292	1293
##	0.0198769820	0.2662440724	-2.7673843457	-1.5367035253	-0.5455989953
##	1294	1295	1296	1297	1298
##	-1.7830510457	-0.0534519153	-0.2717947247	1.2016718709	-0.4790608979
##	1299	1300	1301	1302	1303
##	-0.3411704762	-1.3265018477	0.7965918483	-0.0212396482	-1.0781190444
##	1304	1305	1306	1307	1308
##	-0.5632511611	-0.1553334843	-0.4775344357	0.1405262085	-1.2427421252
##	1309	1310	1311	1312	1313
##	0.1014057213	-2.1495585419	-0.3427947886	-0.7724547672	0.0131057521
##	1314	1315	1316	1317	1318
##	0.1822298749	-1.6134572421	1.0161283649	-0.0952731310	0.2273583610
##	1319	1320	1321	1322	1323
##	1.1578153722	1.1089294407	2.0162351081	-1.2244637830	0.6015568784
##	1324	1325	1326	1327	1328
##	0.2630736632	0.4504958274	-1.0645766491	1.1877770860	-0.3531082583
##	1329	1330	1331	1332	1333
##	-1.1722509466	-0.1915185318	-1.3257778213	-0.2790944100	0.8045372154
##	1334	1335	1336	1337	1338
##	-2.5047915577	-2.9938661433	-1.1741861711	-0.0038788889	0.8046372739
##	1339	1340	1341	1342	1343
##	0.6082128965	-3.0812267511	-2.4629899766	-3.1989404733	-3.0304425268
##	1344	1345	1346	1347	1348
##	-1.1078829141	-3.1155134412	-0.0899087348	-1.5310652132	-3.0329866305
##	1349	1350	1351	1352	1353
##	-0.2041781320	0.3863813541	0.3003319383	-2.4675550611	-0.0556664526
##	1354	1355	1356	1357	1358
##	0.2295080046	-2.0252919841	-2.1089929965	0.4196043517	0.4246020477
##	1359	1360	1361	1362	1363
##	-0.0756262310	-0.0761509524	0.0169173766	0.7410035434	-0.1760094697
##	1364	1365	1366	1367	1368
##	-1.1608950115	-0.9048951861	-0.4676738377	0.4865466924	-0.4323872414
##	1369	1370	1371	1372	1373
##	-0.3923341200	-0.9493845883	-1.2438486935	-1.8297037978	-0.1706246540
##	1374	1375	1376	1377	1378
##	-0.3649073364	0.1917798633	0.3229829383	1.7371327772	1.3503507314
##	1379	1380	1381	1382	1383

##	1.3190386855	1.7214571843	-0.8797518813	0.5349067784	0.3118084520
##	1384	1385	1386	1387	1388
##	-0.8863861210	0.3484239755	-0.1779706546	0.9163853465	1.0233746930
##	1389	1390	1391	1392	1393
##	0.5532830353	0.2461314359	-0.2638830803	-0.5331079641	1.5970896523
##	1394	1395	1396	1397	1398
##	1.5607481092	-0.9232951950	0.8125272045	0.2395950463	-0.1546627505
##	1399	1400	1401	1402	1403
##	0.8595931234	-1.4860117982	-1.5541546379	0.5017942899	-1.0896991484
##	1404	1405	1406	1407	1408
##	0.6135391534	0.1940360197	0.9827081735	1.2569821248	-0.3759019241
##	1409	1410	1411	1412	1413
##	1.2464338793	0.2908098113	0.7093540136	-1.8276262180	0.6766720658
##	1414	1415	1416	1417	1418
##	0.2534506266	-0.2724938928	-1.0567823603	-0.4100907641	0.4762162625
##	1419	1420	1421	1422	1423
##	-0.0259311021	0.8080065279	0.4190913489	-0.4688399901	-0.4146114408
##	1424	1425	1426	1427	1428
##	0.4312051967	0.3314371907	-0.2678557961	-1.9089396869	-0.9345283914
##	1429	1430	1431	1432	1433
##	0.1383984283	-0.4501310427	-1.6695982368	0.1528019694	-2.6554775691
##	1434	1435	1436	1437	1438
##	-0.1597509579	-0.2616325270	-0.0771262970	0.1446608374	0.1830572336
##	1439	1440	1441	1442	1443
##	-0.2871909843	-0.5457306326	-0.3749429927	-0.5183325925	-1.1894671544
##	1444	1445	1446	1447	1448
##	-2.0880837290	0.7327597678	-0.2522389132	0.4767250832	-1.4786926075
##	1449	1450	1451	1452	1453
##	-0.0934672709	0.7351668813	1.4001173142	0.2350743697	0.4798758579
##	1454	1455	1456	1457	1458
##	-1.4299828062	-1.0769981998	-0.2333734056	-0.7346009789	0.3181491413
##	1459	1460	1461	1462	1463
##	-0.5980217491	-0.5862210218	0.6554385847	-0.7448361039	0.3407525243
##	1464	1465	1466	1467	1468
##	-0.2315142529	0.6972401659	-0.6930342381	0.2815727577	0.3287365267
##	1469	1470	1471	1472	1473
##	0.3271709245	0.6596657109	-0.8925506800	-0.6235606365	-0.9486775221
##	1474	1475	1476	1477	1478
##	-1.4009408837	-0.2282851982	0.8343477864	-0.5212289567	-2.3376603042
##	1479	1480	1481	1482	1483
##	0.8643486403	-0.4675679382	-1.4962469232	0.3140198652	-2.2956238827
##	1484	1485	1486	1487	1488
##	-0.6006441329	-0.6096267761	-0.5593122325	-0.5535782141	-0.3917732174
##	1489	1490	1491	1492	1493
##	0.2488516699	0.2595564755	0.2752756318	-1.1946879288	0.3392500554
##	1494	1495	1496	1497	1498
##	0.0162075928	0.4314053202	0.0217459109	0.7873841410	0.9990144306
##	1499	1500	1501	1502	1503
##	-0.1079838089	-0.3886962996	2.0432515883	-0.7908603880	1.5763694153
##	1504	1505	1506	1507	1508
##	0.7820610932	-0.3190074276	-0.7067875450	-0.2263629121	0.8998335255
##	1509	1510	1511	1512	1513
##	0.2481907122	0.4931879006	-0.6660427454	0.2155283344	-0.4284430277
##	1514	1515	1516	1517	1518

##	0.8763886312	0.4589990606	0.6578305515	-0.2352281351	-0.2918442279
##	1519	1520	1521	1522	1523
##	1.4810633758	1.0022434853	0.1048130711	1.0064042901	0.3730790235
##	1524	1525	1526	1527	1528
##	-0.0022545556	-0.4309751728	-0.3343579414	0.4581303680	-0.0004696549
##	1529	1530	1531	1532	1533
##	1.1072331056	0.1597305994	-0.2105539123	1.1116755021	-0.2672753870
##	1535	1536	1537	1538	1539
##	-1.0028541280	-0.5488098937	-0.8139837817	-0.0181294274	-0.9561991797
##	1540	1541	1542	1543	1544
##	-1.0667502715	-0.7014169770	-0.8485444522	-2.4386679886	-1.7148117696
##	1545	1546	1547	1548	1549
##	-0.4864402125	-0.5956801123	-0.6739993669	-0.2934993002	-1.2763061380
##	1550	1551	1552	1553	1554
##	-0.1819305670	-0.9164915916	-0.2822661038	-2.3207585661	-0.4252643030
##	1555	1556	1557	1558	1559
##	-1.3344291231	-1.3675220415	-0.6139976591	-1.0680027533	-0.0077964522
##	1560	1561	1562	1563	1564
##	-0.1228290805	-0.9534789458	-2.3379997613	-1.5492101873	-0.1620865580
##	1565	1566	1567	1568	1569
##	-0.2873347412	-0.2060198208	0.4994601413	0.2013890352	0.2823698137
##	1570	1571	1572	1573	1574
##	-0.5315085370	-0.4434238381	-0.8735926374	-1.5513027289	-0.6267754364
##	1575	1576	1577	1578	1579
##	-0.7377766387	-3.2940724886	-1.0343408526	0.2461065507	-0.1824575063
##	1580	1581	1582	1583	1584
##	-1.7191548645	0.5905781946	0.5398331104	0.1299192907	-0.0429427722
##	1585	1586	1587	1588	1589
##	-0.7229229870	-0.2081009745	-1.0166954174	-0.2101362574	-0.7015592464
##	1590	1591	1592	1593	1594
##	0.1464100942	-0.1419934177	-0.5465841896	-0.4592235818	-0.2286495045
##	1595	1596	1597	1598	1599
##	0.0625916616	-0.8404477396	-0.3943489369	-0.3327620568	-1.2272493555
##	1600	1601	1602	1603	1604
##	0.2580766776	-1.8101622282	-0.4236844098	-0.2113887393	-0.5518485273
##	1605	1606	1607	1608	1609
##	0.1939261237	0.8479369105	-2.7394646078	0.5237006762	-0.0041225660
##	1610	1611	1612	1613	1614
##	-1.7941148048	-1.2293237785	-0.5893642722	0.4632292877	0.7722008997
##	1615	1616	1617	1618	1619
##	-1.5649889096	0.8462930281	-0.0126355285	0.4246176212	0.2066466423
##	1620	1621	1622	1623	1624
##	-0.2277688532	-0.3958166891	-0.7567467271	-0.3920788136	-0.3327424868
##	1625	1626	1627	1628	1629
##	0.1728796716	-2.1232913577	0.6210920373	-0.2405115255	-0.6405579104
##	1630	1631	1632	1633	1634
##	0.1081718150	0.0834157288	-0.5447039102	0.0296764302	0.4535436803
##	1635	1636	1637	1638	1639
##	-0.6344129214	1.1146779575	-0.8931482699	1.2842718256	0.6567588576
##	1640	1641	1642	1643	1644
##	-1.0242478917	-1.1962880134	0.8383687233	-1.4611683509	-0.4888119084
##	1645	1646	1647	1648	1649
##	-0.6094415649	-2.0499913724	-1.5733437550	-0.8471391326	-0.1084488319
##	1650	1651	1652	1653	1654

##	0.3690207266	-0.6590124474	0.9835196256	-0.1147308111	-1.1767179848
##	1655	1656	1657	1658	1659
##	0.2427744719	-1.2714760634	0.0316930276	-1.8643515525	-0.5153111989
##	1660	1661	1662	1663	1664
##	0.4341091701	-0.9922915067	-1.4768649856	0.3155539367	-0.2108406935
##	1665	1666	1667	1668	1669
##	-1.0401793668	0.7311822047	0.2211089785	0.3860060397	0.0444894701
##	1670	1671	1672	1673	1674
##	-0.2948743964	-0.0512471100	1.1809797428	-1.7944474102	-0.1778651952
##	1675	1676	1677	1678	1679
##	0.5967556781	1.9513539198	0.6694387644	-0.7039858449	1.3049363041
##	1680	1681	1682	1683	1684
##	-0.7056101573	-2.3958931001	-0.3073796447	-0.4704958333	-1.1604371927
##	1685	1686	1687	1688	1689
##	-0.5218084484	-1.0962474988	-0.3664615611	-0.2895317786	0.3185285810
##	1690	1691	1692	1693	1694
##	-0.3478896040	-0.6620472736	0.0826314559	0.2207175779	0.4465948484
##	1695	1696	1697	1698	1699
##	0.3841860271	0.3877282022	0.4478669002	0.2791341134	-0.4371093645
##	1700	1701	1702	1703	1704
##	0.6122551407	-1.0873235657	-0.5975444592	-1.0943883461	-1.6832113675
##	1705	1706	1707	1708	1709
##	0.1440030657	0.8010472069	1.7369446861	-0.5059762952	-0.7305032337
##	1710	1711	1712	1713	1714
##	-1.4078219246	0.4738363282	-0.0760814763	-1.7065975517	0.3453395202
##	1715	1716	1717	1718	1719
##	-0.5414763272	0.1470755602	-0.1197226401	-0.1595075748	-0.7436142193
##	1720	1721	1722	1723	1724
##	0.5231928740	-0.6453139655	0.4750114635	0.0854700436	-0.2467116223
##	1725	1726	1727	1728	1729
##	0.8510104236	0.5496906928	-0.3462447879	0.2358657137	-0.1901738096
##	1730	1731	1732	1733	1734
##	0.6421982181	0.8069191491	-0.8086454244	0.2201314107	0.5195724187
##	1735	1736	1737	1738	1739
##	1.0492548137	-1.6277294027	0.0832390604	0.3509179120	-1.0279863053
##	1740	1741	1742	1743	1744
##	-2.4366956762	-0.0231044752	0.0725733948	-0.5227468762	0.2465118092
##	1745	1746	1747	1748	1749
##	1.0371605360	0.9851629699	0.6093988501	-0.0901905333	-0.2587471899
##	1750	1751	1752	1753	1754
##	0.3835607197	-0.2746771932	0.5443676450	-0.3958939506	-1.1733329080
##	1755	1756	1757	1758	1759
##	-1.3813818823	0.4763617955	0.7000276527	0.0042348548	-0.2083152262
##	1760	1761	1762	1763	1764
##	-0.8055533599	1.0169055563	0.9306604401	0.0734708124	0.9408340514
##	1765	1766	1767	1768	1769
##	-0.0198782241	0.1536883598	-0.0437732291	0.7392627565	-0.2087485704
##	1770	1771	1772	1773	1774
##	0.1188341388	-1.0825894889	0.1477390711	0.3622657249	0.8693447368
##	1775	1776	1777	1778	1779
##	0.6995551684	-0.2203144574	-1.0102195230	0.1076400824	-0.1253215384
##	1780	1781	1782	1783	1784
##	0.4468082486	-0.5915579005	-0.5120057341	0.1379540568	-0.0920524897
##	1785	1786	1787	1788	1789

##	1.1513292793	0.4316610465	0.8250577620	0.0229214285	-0.2669694056
##	1790	1791	1792	1793	1794
##	0.2534563658	-0.0356908073	-0.6153354853	0.3868456809	0.6121749906
##	1795	1796	1797	1798	1799
##	0.0192226931	0.2907959804	0.1653129568	0.0261896233	0.5522907029
##	1800	1801	1802	1803	1804
##	-0.7569246424	0.6764625346	0.5736220342	-0.0578832197	-0.5277204671
##	1805	1806	1807	1808	1809
##	-0.2376143627	-0.0954772447	0.9397772698	-0.4036464856	-0.3917283381
##	1810	1811	1812	1813	1814
##	-0.0205240351	0.1327092891	0.3026554177	0.4267293993	0.0870609610
##	1815	1816	1817	1818	1819
##	-0.5633685106	-0.0376784015	-0.1021812159	0.4558385805	0.0813465126
##	1820	1821	1822	1823	1824
##	-0.8595804639	-0.1271134323	-0.3380196309	-0.7940208680	0.3266959616
##	1825	1826	1827	1828	1829
##	0.2784754110	-0.3837352178	-0.6219807463	0.2199218854	-0.1664296199
##	1830	1831	1832	1833	1834
##	0.2492769283	-0.4836989240	0.2253232133	-0.9316568794	-0.1141580734
##	1835	1836	1837	1838	1839
##	-0.8769195093	-0.6089862473	0.0785675686	-0.0651938618	-0.1757058134
##	1840	1841	1842	1843	1844
##	0.2894346271	-1.0290960519	-0.1801286399	0.1413482204	-0.6250141008
##	1845	1846	1847	1848	1849
##	-0.4196462203	-0.4628372735	-0.3207197256	-0.4703913046	-0.0028046105
##	1850	1851	1852	1853	1854
##	-0.5686132783	-1.0953210288	-0.0030003108	0.2309985216	-0.0613972762
##	1855	1856	1857	1858	1859
##	-0.0633934191	-0.6390262413	-0.3922677503	-0.1613414124	-0.5608244069
##	1860	1861	1862	1863	1864
##	0.2909610893	0.1396064879	-0.5421350295	-1.4678756639	-0.2335743881
##	1865	1866	1867	1868	1869
##	0.3032314972	0.1803121474	-0.2696028108	0.1753609302	0.7734340147
##	1870	1871	1872	1873	1874
##	-0.3057552141	-0.2496870821	0.3697630342	-0.3105107311	-0.0950251458
##	1875	1876	1877	1878	1879
##	-0.3757180665	-0.6350796559	-0.1464160410	-0.4245061478	0.2128505446
##	1880	1881	1882	1883	1884
##	-0.2272989693	0.2870992332	0.3416996131	-1.0584380853	-0.7452980572
##	1885	1886	1887	1888	1889
##	-0.3410791158	0.0118076405	-0.8074720381	-0.2788072847	-1.0129964788
##	1890	1891	1892	1893	1894
##	-1.7728419804	0.0162304670	-0.7204636908	0.2643001499	-0.5610853777
##	1895	1896	1897	1898	1899
##	-0.6047461115	-0.5152132305	-0.2459883467	-0.7814634701	-0.5352333698
##	1900	1901	1902	1903	1904
##	0.9006392008	-0.1870042804	-0.2383364655	-1.0296897132	-0.2436008032
##	1905	1906	1907	1908	1909
##	0.2293089387	0.1559604714	-0.3001386159	-0.1928752890	-0.4769538246
##	1910	1911	1912	1913	1914
##	-0.8472774763	-0.8890007774	-0.7610519302	-0.2905101618	-1.0562071020
##	1915	1916	1917	1918	1919
##	-0.5441377329	0.2747505452	-1.4707981585	0.1703248724	-1.6804518753
##	1920	1921	1922	1923	1924

##	-0.4392423794	-0.9232874675	-1.5998624974	-0.5298124719	-0.9999824098
##	1925	1926	1927	1928	1929
##	-0.1533829712	0.3055929103	0.5552086255	-0.9219371356	1.0893138469
##	1930	1931	1932	1933	1934
##	-1.6828198487	-1.6861663236	-0.9904909459	0.5856595900	0.7133344568
##	1935	1936	1937	1938	1939
##	-0.1088807261	-1.1637052693	-1.5048500084	-0.0844769004	-0.6958445948
##	1940	1941	1942	1943	1944
##	1.2379677843	0.1987796940	-0.9799231304	0.0004961639	-1.2964683435
##	1945	1946	1947	1948	1949
##	-0.5021991615	-0.0867470237	-0.5132953677	-0.6917740288	-1.2206540526
##	1950	1951	1952	1953	1954
##	-0.4366199956	-1.0845249334	-0.6902297112	-0.0207586018	-0.4378741920
##	1955	1956	1957	1958	1959
##	-0.7644783999	-0.2919209185	0.0096140826	-0.3233895245	-0.4119830442
##	1960	1961	1962	1963	1964
##	-0.6278013199	0.1045091515	-0.4429428295	0.0473059578	-0.9340918380
##	1965	1966	1967	1968	1969
##	-0.2391209813	-0.2580451990	-0.3011188320	-0.1721132032	-0.7294871887
##	1970	1971	1972	1973	1974
##	-0.3185165874	-0.7189585133	-0.1895109587	-0.0347511723	-0.0409548714
##	1975	1976	1977	1978	1979
##	0.3771000803	0.0510438332	-1.0650936097	-0.5647075476	-0.5278767537
##	1980	1981	1982	1983	1984
##	-0.5314972090	-0.2964024551	0.4567109567	-0.1882976169	-0.4108479825
##	1985	1986	1987	1988	1989
##	-0.7755746061	0.2211660921	0.3211493684	-0.5474272123	0.1609882541
##	1990	1991	1992	1993	1994
##	-0.0445166166	-0.2154021066	-0.3154245229	-0.5642574369	0.0680501881
##	1995	1996	1997	1998	1999
##	-0.1735222453	-0.9573801721	0.1049005520	-0.0637930948	-0.0125196198
##	2000	2001	2002	2003	2004
##	-0.3711012544	-1.3317352497	-0.2082199061	-0.8875738799	-0.0814061205
##	2005	2006	2007	2008	2009
##	0.0250548352	-1.6855222273	0.2041793073	-1.6055982304	0.2128488300
##	2010	2011	2012	2013	2014
##	-1.0047005013	-1.5819967759	-0.1971236998	-0.0069225916	-0.9436224419
##	2015	2016	2017	2018	2019
##	0.3403867065	-1.4679347250	0.0487620639	-1.8767330531	-0.8571345615
##	2020	2021	2022	2023	2024
##	-1.3108265352	-0.3427754990	-0.1841212768	-1.5724778180	0.8997256188
##	2025	2026	2027	2028	2029
##	-1.1451858129	-0.1140214343	-1.1385711432	-1.0458483475	-1.4196750344
##	2030	2031	2032	2033	2034
##	0.0595842897	-1.8743455096	-0.9127330128	0.1749300384	-0.8702073406
##	2035	2036	2037	2038	2039
##	-1.0150451225	-0.6232335793	-0.7196159703	1.7326651774	-0.9011475558
##	2040	2041	2042	2043	2044
##	-0.4581603878	-0.7425324738	-1.5192669101	0.0740856809	-0.4980636761
##	2045	2046	2047	2048	2049
##	-0.1841212768	-1.1745408558	0.5601464820	-0.2616968703	-0.3189587741
##	2050	2051	2052	2053	2054
##	-1.5118890094	0.7784892914	0.3410208714	-0.1357050260	-1.4264658344
##	2055	2056	2057	2058	2059

##	0.1720336742	-0.5552864399	-0.4381487148	0.6190438019	-1.6179866009
##	2060	2061	2062	2063	2064
##	-1.0892827074	-0.5261355635	-1.3800150527	-0.9456191272	-0.7010167609
##	2065	2066	2067	2068	2069
##	-0.0278227299	0.6483608993	0.5567731653	0.1965085083	-1.3167635256
##	2070	2071	2072	2073	2074
##	-2.1235575260	-1.6117621372	1.3436057364	-0.0273530493	-0.7161789170
##	2075	2076	2077	2078	2079
##	0.3276081301	-0.8340491994	-0.3986356324	-2.8608583546	-1.7351120277
##	2080	2081	2082	2083	2084
##	0.2229476169	-1.0937043393	-2.6723011288	1.0486854050	-1.2324558423
##	2085	2086	2087	2088	2089
##	1.1725441162	-1.2772907779	-0.5068187507	-0.5384047769	0.4541087951
##	2090	2091	2092	2093	2094
##	0.3825999105	-1.7272057361	0.5697480943	-0.5331795793	0.3672765781
##	2095	2096	2097	2098	2099
##	-1.1338620381	0.4774362692	-2.7626454504	0.7528582598	0.1148166164
##	2100	2101	2102	2103	2104
##	0.9200058743	1.2142608248	-1.7692291800	0.7604318609	0.7987695470
##	2105	2106	2107	2108	2109
##	-1.0645320190	0.6791612809	-2.2145970481	-0.5465884672	-0.2619729789
##	2110	2111	2112	2113	2114
##	-2.1524744384	-0.7551193535	-0.4729440032	-1.0294238829	-2.0900399315
##	2115	2116	2117	2118	2119
##	-0.1907686529	-1.5448984371	-0.3737789987	-0.4923183315	-0.1699999600
##	2120	2121	2122	2123	2124
##	0.2724906186	-2.1590976700	-0.1399660817	-2.6684627058	-0.5929694350
##	2125	2126	2127	2128	2129
##	-0.5443134513	-0.8181960020	-0.6240674336	0.5564639653	0.1719862903
##	2130	2131	2132	2133	2134
##	-1.9520161889	-1.9212484345	0.0335405691	-0.5324063120	-0.4506341705
##	2135	2136	2137	2138	2139
##	-3.1570407018	-0.3201143108	-1.6739321977	-1.6543560534	0.2102914086
##	2140	2141	2142	2143	2144
##	-0.5582236157	-0.6820823269	-0.9468256742	-0.1439848197	-0.9193102140
##	2145	2146	2147	2148	2149
##	-0.9832063574	-1.5256288410	-0.7356846353	-1.1033271932	0.7466080433
##	2150	2151	2152	2153	2154
##	-1.5787629231	-1.7269863200	-1.3563852438	-2.1398909100	-1.2301585591
##	2155	2156	2157	2158	2159
##	0.2136203031	0.3953867291	-0.3770814411	0.8137939412	-1.0463372802
##	2160	2161	2162	2163	2164
##	-0.2909341750	-0.5802574783	-0.3518948142	-0.3928157441	-0.0430797624
##	2165	2166	2167	2168	2169
##	-0.4274546948	0.6089740215	-1.8829755742	-0.5335242499	-0.3177842543
##	2170	2171	2172	2173	2174
##	-0.5358335133	-0.8950609589	0.5740415204	-0.3005234891	-1.6633411428
##	2175	2228	2229	2230	2231
##	-1.4293031704	-0.0315641972	0.2176601174	0.8087728322	0.0142492398
##	2232	2233	2234	2235	2236
##	0.8046435561	0.1993230006	-0.1427415299	0.2810865802	0.1140759558
##	2237	2238	2239	2240	2241
##	1.2783360991	0.3124573361	1.6171715748	0.3883499071	0.6113699534
##	2242	2243	2244	2245	2246



##	-0.1999447236	-0.2112562001	0.4847127281	0.5336573697	1.3196679996
##	2247	2248	2249	2250	2251
##	-0.3118265772	-0.3833158918	0.8065418489	0.8446251246	0.5324048879
##	2252	2253	2254	2255	2256
##	1.2108390704	0.7998097591	-0.1190422252	0.1816316947	0.4343786144
##	2257	2258	2259	2260	2261
##	0.1514742806	0.7830186745	0.3027310318	0.0989678937	-0.4504998001
##	2262	2263	2264	2265	2266
##	-0.4161543999	0.2167794661	0.9285609774	-0.3177954360	-0.6295264220
##	2267	2268	2269	2270	2271
##	0.3340822177	0.5099580650	0.7396319210	-0.1154021999	-0.3504186737
##	2272	2273	2274	2275	2276
##	0.5466910088	0.3791128536	-0.1979681507	1.1533814663	0.4092506977
##	2277	2278	2279	2280	2281
##	0.1411608755	0.8759567405	0.5951268296	1.0476446016	0.1402606541
##	2282	2283	2284	2285	2286
##	-0.1296100407	0.0770298916	1.3250497575	-0.3492053319	1.2860075504
##	2287	2288	2289	2290	2291
##	-0.4105965117	0.6074950877	0.3633785506	0.2210653024	0.2383847777
##	2292	2293	2294	2295	2296
##	1.1121865561	-0.4879568349	1.2889234846	0.5520923367	0.5181383370
##	2297	2298	2299	2300	2301
##	0.7394362207	0.9103608508	0.0781845233	0.0816092783	-0.0164952752
##	2302	2303	2304	2305	2306
##	0.1911035885	0.3660400745	1.1769829209	0.9780144398	0.4066674539
##	2307	2308	2309	2310	2311
##	0.5198996396	1.4995864545	0.1838738596	0.4763479375	0.3225666525
##	2312	2313	2314	2315	2316
##	0.2867730702	-0.5246003169	-0.0183236762	-1.9191801271	-3.1000160847
##	2317	2318	2319	2320	2321
##	-0.8469578285	-0.5162243446	-1.4551943183	-0.3743024970	0.0898594421
##	2322	2323	2324	2325	2326
##	-0.1558031273	-0.9949268150	0.0470793595	-0.9365494196	-2.8706553491
##	2327	2328	2329	2330	2331
##	-0.2626946237	-0.1151561779	-0.1612435953	-0.1747860551	-0.4104874799
##	2332	2333	2334	2335	2336
##	0.2333664620	0.2832308950	-0.1867237726	-1.5096381380	-1.1519175846
##	2337	2338	2339	2340	2341
##	-0.3700166607	1.0010264149	-0.8492232297	-1.0268995196	0.3685089196
##	2342	2343	2344	2345	2346
##	-0.9726907660	0.2959793720	0.0783215135	-0.1675171861	0.8814559185
##	2347	2348	2349	2350	2351
##	1.1490369200	-0.0718980262	0.2302632158	-0.0679057404	1.4367750509
##	2352	2353	2354	2355	2356
##	0.9060750145	0.4134973939	0.3602082059	0.6233468109	0.6136792168
##	2357	2358	2359	2360	2361
##	0.6533280948	0.8708098229	0.8868376764	1.3974588634	1.2290000570
##	2362	2363	2364	2365	2366
##	-0.1397081754	-0.1194336258	0.5565151631	0.8561714415	0.4717573691
##	2367	2368	2369	2370	2371
##	1.5657611096	0.4952805435	0.3060970768	0.5682767503	-1.2978047116
##	2372	2373	2374	2375	2376
##	0.4226747855	-0.6007007217	0.6131107341	-0.6616026508	-0.0604309413
##	2377	2378	2379	2380	2381

##	-0.0300191168	-0.1916479833	1.2322085898	0.3503635297	0.4662180992
##	2382	2383	2384	2385	2386
##	0.5688041893	0.2082459818	-0.2456025522	-0.0037561384	-0.4226134612
##	2387	2388	2389	2390	2391
##	0.8081847795	1.1521867427	0.1936467404	0.5803700762	-0.0931911692
##	2392	2393	2394	2395	2396
##	0.6097251191	0.2335500288	0.3745325150	0.6669674529	0.4265692212
##	2397	2398	2399	2400	2401
##	-0.3449400175	0.2577581542	-0.0506067869	0.8043686239	-0.7231308208
##	2402	2403	2404	2405	2406
##	-0.9238410345	0.1080865752	0.7622343522	-0.5201700539	0.4082516744
##	2407	2408	2409	2410	2411
##	0.8035662527	0.6472604340	0.3322025431	-0.4771159909	-0.1102953743
##	2412	2413	2414	2415	2416
##	1.1666294239	0.0890057973	0.4459044095	-0.9498496025	0.3913431696
##	2417	2418	2419	2420	2421
##	0.5440089630	1.0055289482	0.1897718747	0.6222107974	0.7180256576
##	2422	2423	2424	2425	2426
##	-0.9141930103	-0.4174469736	0.1394769012	0.7405311905	0.0136807571
##	2427	2428	2429	2430	2431
##	-0.3009074531	-0.5124594626	-0.2764449173	-0.1272821591	-0.0367120666
##	2432	2433	2434	2435	2436
##	0.4152968847	-0.8502968669	0.2222776923	0.5095657126	0.9258397916
##	2437	2438	2439	2440	2441
##	0.4386830689	-1.2468247870	-0.2091631589	0.7088668842	-0.4606184568
##	2442	2443	2444	2445	2446
##	0.0438577413	-0.4536906666	0.3359012785	0.6134629946	0.3358817085
##	2447	2448	2449	2450	2451
##	0.2450767757	0.2822989701	0.6706270482	0.8858190830	-1.2060408473
##	2452	2453	2454	2455	2456
##	-0.0589827592	-0.4436121019	0.2279138605	0.0033477820	-0.7284342986
##	2457	2458	2459	2460	2461
##	0.9073832649	0.3387111755	-0.0501652836	-0.0494129618	-0.2508668366
##	2462	2463	2464	2465	2466
##	-0.1540343349	-0.4556476162	-1.5536436425	-0.9070890366	-1.1717541038
##	2467	2468	2469	2470	2471
##	-0.4092079382	-1.6937063374	-0.2947232707	-0.3563297209	-0.9173045915
##	2472	2473	2474	2475	2476
##	0.4277434762	0.3353925111	-0.3620637392	0.0373996852	-0.6587845133
##	2477	2478	2479	2480	2481
##	-0.3028056925	-0.4077793261	-0.7124455318	1.5939214823	-1.2084479075
##	2482	2483	2484	2485	2486
##	0.3625752809	-0.2319230488	0.2176200788	-1.0664086397	0.8225883739
##	2487	2488	2489	2490	2491
##	-1.0431203056	-0.2304161566	-0.7310370590	-0.3931800848	-0.5331449295
##	2492	2493	2494	2495	2496
##	0.6975163209	-0.5895848921	-0.0411935498	-0.7979665570	0.1378330721
##	2497	2498	2499	2500	2501
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##	2502	2503	2504	2505	2506
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##	2507	2508	2509	2510	2511
##	1.4445434538	-0.9728247628	-0.0336395188	1.3565174650	-0.4776638984
##	2512	2513	2514	2515	2516

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##	2517	2518	2519	2520	2521
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##	2522	2523	2524	2525	2526
##	-0.1217633577	0.3537296280	0.1196916556	-0.4330638031	-0.5228510945
##	2527	2528	2529	2530	2531
##	-0.4390913719	-0.5677838802	-0.1708645595	-1.0011230242	0.6126606768
##	2532	2533	2534	2535	2536
##	-1.4256752253	-0.6023445508	-0.8394354476	-0.7400588422	-1.0501459459
##	2537	2538	2539	2540	2541
##	0.5778260258	-1.8455110495	-0.4525359816	-0.5585468267	-1.4281801890
##	2542	2543	2544	2545	2546
##	0.1153079691	0.3198343384	-1.2870411425	-1.6191420032	-1.4896862638
##	2547	2548	2549	2550	2551
##	-0.6570402556	0.3218721465	-0.4077180909	-1.3926972019	-0.7259267564
##	2552	2553	2554	2555	2556
##	-0.5558827776	-0.6997224881	-0.2170081619	-0.4366425932	-0.0188029119
##	2557	2558	2559	2560	2561
##	-1.0525113942	-0.7712313727	-1.1776030172	0.5056879069	0.4338071917
##	2562	2563	2564	2565	2566
##	-0.7048331900	-2.2925300427	0.0175161368	1.3523877897	-1.6580501445
##	2567	2568	2569	2570	2571
##	1.1763358121	-0.5980395437	-0.2065998311	2.0639931708	-0.6970638886
##	2572	2573	2574	2575	2576
##	-0.0585525645	1.2860258226	-1.3583155860	0.3207928705	0.6642468730
##	2577	2578	2579	2580	2581
##	-0.3593830446	-0.8189264569	-1.0740609201	0.2748228732	-0.5484882312
##	2582	2583	2584	2585	2586
##	0.3690329911	0.1964840486	0.1100628022	-0.9161699292	0.2703413367
##	2587	2588	2589	2590	2591
##	-0.1615691952	-0.2855453266	-0.1645829796	0.8484986925	-0.5677842795
##	2592	2593	2594	2595	2596
##	-0.6477865565	-0.8989678740	-1.2163545983	0.0626641929	-1.1081127700
##	2597	2598	2599	2600	2601
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##	2602	2603	2604	2605	2606
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##	2607	2608	2609	2610	2611
##	-0.4370760582	-0.0108408347	0.0094728550	0.5771211055	1.1347886414
##	2612	2613	2614	2615	2616
##	-0.3826909487	0.0012338730	0.3302451943	0.6031688136	-1.2673345229
##	2617	2618	2619	2620	2621
##	-2.0971037368	-0.7677508320	0.0430550242	0.1855052626	0.4834662856
##	2622	2623	2624	2625	2626
##	0.8345735671	1.7278265561	0.8078395101	1.6754907081	1.5878868728
##	2627	2628	2629	2630	2631
##	-0.2413097248	0.7652746979	0.9080660139	-0.1418380649	-0.2271983363
##	2632	2633	2634	2635	2636
##	-0.4009801905	0.3933672716	1.7001489441	-0.0885167262	0.3028488999
##	2637	2638	2639	2640	2641
##	0.4625403335	1.0209571219	-0.4146302855	0.0260518128	1.9124278404
##	2642	2643	2644	2645	2646
##	0.2558179275	2.3421227655	1.9381135030	-0.5135358123	0.7498314881
##	2647	2648	2649	2650	2651

##	0.2647883284	0.4519169422	0.5802963300	-1.3064305602	-0.2216443032
##	2652	2653	2654	2655	2656
##	0.2132213030	-1.5751270533	1.1085109728	0.4259475142	0.6103754640
##	2657	2658	2659	2660	2661
##	0.0176580069	0.7233140993	0.0479132712	0.3774334132	-0.0140258695
##	2662	2663	2664	2665	2666
##	-0.2384940979	1.0324422715	0.1441391019	1.3032914678	0.1478378373
##	2667	2668	2669	2670	2671
##	1.2531139143	-0.5825569618	1.0709930373	-0.0814468087	-0.2510211068
##	2672	2673	2674	2675	2676
##	1.0535757118	-1.7309458119	-1.7521988630	-1.8715956077	-1.1078361003
##	2677	2678	2679	2680	2681
##	0.8631984733	-1.6331739489	-1.4816823572	-1.1898932303	-1.5092173875
##	2682	2683	2684	2685	2686
##	-0.3758191794	-1.1147051803	-0.1533862339	-1.1196172575	-1.5284155856
##	2687	2688	2689	2690	2691
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##	2692	2693	2694	2695	2696
##	-1.6118817577	-0.9702196590	-0.6801233416	-0.8327499949	-0.7867995676
##	2697	2698	2699	2700	2701
##	-1.2771853451	-1.8503132036	-1.1948542346	-1.3061098474	-1.7321689407
##	2702	2703	2704	2705	2706
##	-1.6936551244	-2.1156827918	0.0812877624	0.2986825215	-0.1885133412
##	2707	2708	2709	2710	2711
##	0.2095606112	-0.1541092309	-1.2871160385	-1.8151545510	0.2812064860
##	2712	2713	2714	2715	2716
##	-0.0011303171	-0.3126068928	-0.6757483440	0.0959565950	-1.1259372827
##	2717	2718	2719	2720	2721
##	-0.6330269715	0.4547143598	-0.0477069852	0.7814555578	0.5157728491
##	2722	2723	2724	2725	2726
##	-0.5678783462	0.0204945646	0.3492123355	-0.0420512469	-0.3842723376
##	2727	2728	2729	2730	2731
##	0.2430057901	0.7849194529	0.1773483440	-0.7304661441	-1.6100802209
##	2732	2733	2734	2735	2736
##	-1.3761596687	-0.1643443559	-1.2693660225	-1.2578077499	-0.6234844119
##	2737	2738	2739	2740	2741
##	0.0992367454	-0.1659371425	0.5501106351	-0.7085944664	-0.8317290865
##	2742	2743	2744	2745	2746
##	-0.4060418238	0.1993570119	-0.0732339169	-1.0281730339	-0.0357964521
##	2747	2748	2749	2750	2751
##	0.0372976048	-0.5611538707	0.3804384868	0.0514853160	0.2586340690
##	2752	2753	2754	2755	2756
##	0.2923140883	1.0807480883	-0.2040438613	0.5964485898	0.4562293347
##	2757	2758	2759	2760	2761
##	0.6605208636	-0.1335280242	0.6902466053	-0.3551840453	-0.3822689649
##	2762	2763	2764	2765	2766
##	1.3634852937	0.4823056146	0.7212556641	-0.0880432999	0.5772985335
##	2767	2768	2769	2770	2771
##	0.9330229439	0.2709688754	0.0675384278	0.0979893923	0.2117303987
##	2772	2773	2774	2775	2776
##	0.5575132346	0.6825070074	0.4713855386	0.3963736188	1.2184909516
##	2777	2778	2779	2780	2781
##	0.4358855066	0.4207774445	0.9171125107	0.4433808276	-1.4867719562
##	2782	2783	2784	2785	2786

##	0.6424862989	1.2211329054	-0.9065793174	0.4181942008	-0.3738048579
##	2787	2788	2789	2790	2791
##	0.7792416590	0.5115432373	-0.0025418448	0.2115738385	0.6299419105
##	2792	2793	2794	2795	2796
##	-0.6454759954	0.1019033980	-0.3150360619	0.8060330282	0.4790961299
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##	0.5168662851	0.3641417817	-0.1512740624	0.4217168059	0.6711563908
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##	1.1768655007	0.2705187647	-0.2420985652	0.6925660022	-0.2780682779
##	2812	2813	2814	2815	2816
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##	2817	2818	2819	2820	2821
##	-0.6694297104	-0.5013035944	-0.5717752675	0.5959282489	0.0979884405
##	2822	2823	2824	2825	2826
##	0.3948070647	-0.3875243998	0.4138487026	0.4470003311	-0.0094901568
##	2827	2828	2829	2830	2831
##	0.0613142068	0.4451998884	0.0958357373	0.0765592591	0.5860649545
##	2832	2833	2834	2835	2836
##	0.2856454450	-0.2626676172	0.2634921726	0.5581189536	-0.0260268310
##	2837	2838	2839	2840	2841
##	0.4973344447	0.4215005838	-0.8230553870	-1.4090603243	0.3699335583
##	2842	2843	2844	2845	2846
##	-1.3533444528	0.2642749737	-2.1896891964	-0.1775184226	0.2469163583
##	2847	2848	2849	2850	2851
##	0.4523820889	0.1471874924	-0.3169548766	-0.7160856105	0.5225797816
##	2852	2853	2854	2855	2856
##	-0.8095129272	0.1528432307	-2.1564201477	0.0731540741	0.0211173680
##	2857	2858	2859	2860	2861
##	-0.3886790315	0.1427656178	0.7954652127	0.7633312257	0.4628138660
##	2862	2863	2864	2865	2866
##	0.0600431068	0.7665407104	-0.0719958764	0.4159827875	-0.4723790921
##	2867	2868	2869	2870	2871
##	1.8279212132	-0.2957791538	0.8968183910	-0.3416708709	0.6637589200
##	2872	2873	2874	2875	2876
##	-0.5625186440	1.0410103619	0.4875112422	0.0076345701	-0.0049880983
##	2877	2878	2879	2880	2881
##	-0.3615931601	-0.4250196228	0.1883442145	0.1643122193	0.6869494039
##	2882	2883	2884	2885	2886
##	-0.1935453242	0.3821266380	-0.0115049179	0.5108191463	0.3988394424
##	2887	2888	2889	2890	2891
##	0.2501855050	1.8832065441	-3.0110619162	0.1754671357	0.1611810148
##	2892	2893	2894	2895	2896
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##	2897	2898	2899	2900	2901
##	0.1929431712	0.6227401400	0.4597022315	-1.1791702462	-0.3232359039
##	2902	2903	2904	2905	2906
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##	2907	2908	2909	2910	2911
##	0.2225134845	-0.8564604740	0.1289687476	0.6637980601	-2.6693496463
##	2912	2913	2914	2915	2916
##	-0.3818285697	-0.6157491219	0.2524556283	0.2186386188	-1.4980247226
##	2917	2918	2919	2920	2921

##	0.7625679946	0.6453435231	-0.2422159854	1.1531466260	-1.1254896576
##	2922	2923	2924	2925	2926
##	0.7900443148	0.1703202181	1.1103665434	-0.5605225011	1.5619840941
##	2927	2928	2929	2930	2931
##	1.4425677794	0.1990294501	0.5234222447	-0.2118824410	-0.0224641339
##	2932	2933	2934	2935	2936
##	0.9860185815	-1.3115614898	0.5817409300	0.0767559112	-0.1741122858
##	2937	2938	2939	2940	2941
##	-0.4002243966	0.1158959685	0.5843828839	0.9412032159	0.5592549671
##	2942	2943	2944	2945	2946
##	0.1604373537	-0.1489060889	0.0164410830	0.6278870575	0.4969244259
##	2947	2948	2949	2950	2951
##	0.2193235698	-0.1197076062	0.1052880611	-0.6753995210	1.0601684681
##	2952	2953	2954	2955	2956
##	0.3744738050	0.9076788050	0.4193870207	0.6973597073	-0.0442856677
##	2957	2958	2959	2960	2961
##	-0.1466956275	-0.0097249971	0.8253281245	-0.4300892121	0.6302540792
##	2962	2963	2964	2965	2966
##	0.5607021974	-0.5520496305	-0.3021795050	1.3731127960	1.2533442207
##	2967	2968	2969	2970	2971
##	-0.2593407123	0.1757793043	0.5054755766	0.4211071935	-0.3959219318
##	2972	2973	2974	2975	2976
##	-0.1162270826	0.4966866441	-0.9369745134	1.2677457721	-0.2309339512
##	2977	2978	2979	2980	2981
##	-0.9323176617	-0.2996430986	-0.4376301473	0.4043275251	1.0204164889
##	2982	2983	2984	2985	2986
##	0.1659095357	0.2171157387	1.2208747384	-0.0566750775	1.0997668394
##	2987	2988	2989	2990	2991
##	0.3043736039	-0.2088259345	-0.7968624854	0.2415721589	0.0541035158
##	2992	2993	2994	2995	2996
##	-0.3350526191	0.2879898205	0.2103273850	-0.0103674972	-0.2293561176
##	2997	2998	2999	3000	3001
##	-0.0365301793	0.2135380928	0.2919319229	-0.7498589812	0.3359840573
##	3002	3003	3004	3005	3006
##	-0.7581371033	-0.9900615126	-0.5140401362	0.5302165915	-0.6035534472
##	3007	3008	3009	3010	3011
##	-0.6633594547	-1.0294559803	0.0759570869	-1.0978336603	-0.9850711553
##	3012	3013	3014	3015	3016
##	-0.0902903063	-1.0004727679	-0.6616568622	-1.3452575323	-0.6844755156
##	3017	3018	3019	3020	3021
##	-1.4936570594	-1.5928966746	0.3953399542	-0.2301377309	-0.7516985639
##	3022	3023	3024	3025	3026
##	-0.3924124083	-0.3618244535	-0.3491626450	-1.5468288272	-0.3649947982
##	3027	3028	3029	3030	3031
##	-1.0385756136	-1.1106654157	-2.0305741815	-2.3266100046	-0.7847657289
##	3032	3033	3034	3035	3036
##	-0.7517119506	-1.4061141380	-0.0349009419	-1.8351674457	-0.6394778364
##	3037	3038	3039	3040	3041
##	-1.9089464536	-0.2626960752	-0.4228180494	-1.1822917205	-0.6170897236
##	3042	3043	3044	3045	3046
##	0.0743169775	-1.5186246430	-0.3294127132	-0.0724582372	-0.0243746769
##	3047	3048	3049	3050	3051
##	-0.2382359498	-0.7395809432	-1.4995438651	-0.2535984223	-0.7449627011
##	3052	3053	3054	3055	3056

##	-0.7911283986	-1.0288846765	-1.4461959670	-0.1153948801	-0.8759449027
##	3057	3058	3059	3060	3061
##	-1.7570010819	-0.8400229279	-0.3791671005	-2.0437264639	-0.4921840159
##	3062	3063	3064	3065	3066
##	-1.7961350235	-1.9677519434	-1.1081812452	-1.8688804893	-0.4675828869
##	3067	3068	3069	3070	3071
##	-1.6616677538	-0.4848240821	-1.2824984491	-0.4795206043	-1.3930691109
##	3072	3073	3074	3075	3076
##	-1.0702614886	-0.7480605372	-1.2686428688	-0.4266032469	-0.2972062176
##	3077	3078	3079	3080	3081
##	-0.5545129541	-0.6659446971	-0.5162926881	-1.5758923183	-0.3941561395
##	3082	3083	3084	3085	3086
##	-1.8325532438	-0.4311434936	-0.8452452994	-0.9941340772	-0.4759001490
##	3087	3088	3089	3090	3091
##	-0.5924396695	-0.6701718233	-1.5140705979	-0.9947016080	-0.5500314175
##	3092	3093	3094	3095	3096
##	-0.8700405257	-0.9311185850	-1.0383232019	-0.9157952526	-1.9186491385
##	3097	3098	3099	3100	3101
##	-1.1347410635	-1.1818559075	-0.6189570583	-0.9662467864	-0.7181966735
##	3102	3103	3104	3105	3106
##	-0.8054790012	-1.1600487799	-0.1574175031	-1.7814950391	-2.0666303563
##	3107	3108	3109	3110	3111
##	0.0288500294	-0.0151629650	-0.2446606907	-0.7311324625	-0.5346493750
##	3112	3113	3114	3115	3116
##	-0.4355858901	0.2653362892	0.5503933263	-0.2097065857	-0.1062594144
##	3117	3118	3119	3120	3121
##	0.8722615872	0.3929837184	0.4929278546	-0.0433104999	1.1328677908
##	3122	3123	3124	3125	3126
##	0.5382324709	1.9420101946	1.6470898631	0.4241196340	0.7204490075
##	3127	3128	3129	3130	3131
##	1.8377410821	1.0496951692	0.5109909911	1.7682674804	-0.6708038979
##	3132	3133	3134	3135	3136
##	0.0996289892	-0.4554553028	-1.0914616633	1.0878567250	0.7654013633
##	3137	3138	3139	3140	3141
##	0.0222882361	-0.6552457251	-0.1921601376	1.2971777512	-0.0363044296
##	3142	3143	3144	3145	3146
##	0.7071805281	0.1235827043	1.2882342481	-0.0368132504	-0.5919562525
##	3147	3148	3149	3150	3151
##	1.0685802468	0.6619150519	0.5673918136	0.7256937752	-0.3018110081
##	3152	3153	3154	3155	3156
##	-0.8412784173	-0.3954927351	0.2488700276	-0.3814023145	0.1154220023
##	3157	3158	3159	3160	3161
##	0.3176391082	0.7722704433	0.5128110037	0.7775347810	0.2721975017
##	3162	3163	3164	3165	3166
##	0.5006384459	0.2453865625	0.3495382548	-0.2429052219	0.3550374329
##	3167	3168	3169	3170	3171
##	-0.8218062388	1.6048773114	1.8398742152	0.2618645266	0.8934284906
##	3172	3173	3174	3175	3176
##	1.7015336828	1.5880275167	-0.4919142662	2.0525808564	0.1221932322
##	3177	3178	3179	3180	3181
##	1.2510903338	1.3383335214	0.4987205831	0.8073007945	-0.9035306784
##	3182	3183	3184	3185	3186
##	1.3442241001	0.6178824874	0.4911861221	-0.6425252065	-1.1155327985
##	3187	3188	3189	3190	3191

##	0.0148711952	-0.8900469286	-0.4607783506	-0.9605773118	0.2011387277
##	3192	3193	3194	3195	3196
##	-0.5416808490	0.6750856811	-0.2784248239	-0.4925600771	0.2549954465
##	3197	3198	3199	3200	3201
##	0.3998723685	0.4824187493	0.7487668389	0.7268288368	-0.1422174246
##	3202	3203	3204	3205	3206
##	-0.1106901085	0.0571620271	0.8069289640	1.5043852144	0.5220284872
##	3207	3208	3209	3210	3211
##	0.2815128353	0.3578555170	0.6765338632	-0.2788553645	-0.2003404096
##	3212	3213	3214	3215	3216
##	-0.3936922925	0.4759802098	-0.2271904889	0.4507153029	0.1194338582
##	3217	3218	3219	3220	3221
##	0.9389483771	0.3582664876	1.3144972266	-0.1301622869	0.6989219760
##	3222	3223	3224	3225	3226
##	0.1994752753	0.0787869087	-0.1746841021	1.1330830612	-0.0729590933
##	3227	3228	3229	3230	3231
##	0.4629465708	1.7221800630	-0.6232487283	-0.0734287739	1.7476602403
##	3232	3233	3234	3235	3236
##	1.4559885336	0.6141054719	0.0166129278	2.1034629308	0.2221177984
##	3237	3238	3239	3240	3241
##	0.2053854240	0.4176419545	0.6220117635	0.9204547001	0.0693345849
##	3242	3243	3244	3245	3246
##	0.0925845908	-1.2066108999	0.7461452670	0.3412609446	-0.4154337824
##	3247	3248	3249	3250	3251
##	0.2426671404	-0.0520183507	0.3084615767	-0.3741214519	-0.8185763722
##	3252	3253	3254	3255	3256
##	0.6844409667	0.3649015392	1.7748633920	-0.1721783265	0.0643450395
##	3257	3258	3259	3260	3261
##	-0.1385961574	-0.1521190472	0.6049866505	-1.1841640770	0.1009409931
##	3262	3263	3264	3265	3266
##	0.8193371741	0.5448675225	-0.3065657131	1.1878603832	0.6912904767
##	3267	3268	3269	3270	3271
##	-0.0077900860	0.1406681512	1.0898341098	0.3945501326	-1.0046662783
##	3272	3273	3274	3275	3276
##	-1.4538571454	-0.2945286494	0.0136405915	-0.8279880598	-0.7934860993
##	3277	3278	3279	3280	3281
##	0.2878558327	0.5364147663	0.0528589289	-0.4072520143	-0.4489166052
##	3282	3283	3284	3285	3286
##	-1.7046470624	0.0175937373	1.0389339615	0.0507062257	0.0168892162
##	3287	3288	3289	3290	3291
##	-1.9661417849	0.6769471419	-0.2525313679	-0.0561461306	-0.9082643173
##	3292	3293	3294	3295	3296
##	-0.8213401898	-0.1276022449	1.3826951446	-0.7410639324	-0.8093241923
##	3297	3298	3299	3300	3301
##	-0.0293019911	-0.6872854937	-0.8093241923	-0.0293019911	-0.6872854937
##	3302	3303	3304	3305	3306
##	0.4685203972	-0.2462944686	-0.3674720858	0.5946296617	0.4232304566
##	3307	3308	3309	3310	3311
##	0.1960419943	-0.7215379381	-1.3143728154	0.1104280115	-0.6603987224
##	3312	3313	3314	3315	3316
##	0.7582754624	0.9227370905	-0.2470430240	-2.4337001730	-2.2226190673
##	3317	3318	3319	3320	3321
##	-1.7445538460	0.5344799538	0.2515230254	0.1076833150	1.1732126639
##	3322	3323	3324	3325	3326



##	-2.3700731174	0.4136656051	-0.3463731505	-0.4757188085	-0.2746367643
##	3327	3328	3329	3330	3331
##	-1.0193008163	0.1733395379	0.2068922171	0.0401360031	-0.4471723873
##	3332	3333	3334	3335	3336
##	0.2117932862	-0.1346696082	-0.9993223982	-0.5432000715	-0.5203948725
##	3337	3338	3339	3340	3341
##	-1.1089818305	-0.8610968397	-0.0869860103	0.4153705090	-0.0784547010
##	3342	3343	3344	3345	3346
##	0.2543580984	-0.9040836307	-0.3051967221	0.8754826752	0.7147540301
##	3347	3348	3349	3350	3351
##	0.5572348697	-0.6134051030	0.2285953789	0.1608243697	-0.2853722831
##	3352	3353	3354	3355	3356
##	0.1392386281	0.5224393588	-0.0740942540	0.4302253838	-0.4295055439
##	3357	3358	3359	3360	3361
##	-0.4145344720	0.4951195988	-0.2506354822	0.9361301940	0.3109656294
##	3362	3363	3364	3365	3366
##	0.1301385648	-0.1074024427	0.8407422632	0.1572003032	0.1514271448
##	3367	3368	3369	3370	3371
##	0.7458471944	0.8352822253	-0.7209851615	0.6333390998	0.0767087755
##	3372	3373	3374	3375	3376
##	-0.1140011535	0.0455532899	0.9546202598	0.1459083967	0.8877494720
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##	0.3195924008	-0.5380249639	-0.5082393803	0.3109815882	0.6325562987
##	3382	3383	3384	3385	3386
##	1.5794325639	0.2995918315	-0.6026256284	0.3768347346	-0.5590627447
##	3387	3388	3389	3390	3391
##	0.3760519334	-0.0204759867	0.3105706176	0.2937991031	0.8705474168
##	3392	3393	3394	3395	3396
##	0.2522715023	-0.6907494673	-0.4037745675	0.6480949014	-1.1374158008
##	3397	3398	3399	3400	3401
##	0.1545583494	-0.0059941655	0.1592942963	0.3999209125	-4.3577779269
##	3402	3403	3404	3405	3406
##	0.2648781060	-4.4358232011	-4.7584155530	-4.1029214068	0.1022863454
##	3407	3408	3409	3410	3411
##	0.2651966644	0.4234986260	-0.4718888939	0.1989716875	0.8162886706
##	3412	3413	3414	3415	3416
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##	3417	3418	3419	3420	3421
##	0.9203620829	0.1651938181	0.2158801922	1.1368848797	0.0209822771
##	3422	3423	3424	3425	3426
##	0.9207534835	0.6277314448	0.5613694777	-0.6534204795	0.3391909426
##	3427	3428	3429	3430	3431
##	1.2687281625	0.2324560065	0.5039510137	0.1727478491	-1.4737373696
##	3432	3433	3434	3435	3436
##	1.1471200046	-0.3338614820	0.5781018522	-0.3601244604	0.1977583457
##	3437	3438	3439	3440	3441
##	0.3742995740	-0.3909081155	-0.3594395094	0.1360149054	-0.0727190200
##	3442	3443	3444	3445	3446
##	0.0725688726	1.0330267377	0.4571786453	-0.2186331534	0.5145383992
##	3447	3448	3449	3450	3451
##	0.5478661579	-0.0058286621	0.2172500943	0.3282512966	0.0936653634
##	3452	3453	3454	3455	3456
##	0.4072555022	-1.4268280110	1.1198980948	-0.1915286638	-0.4085798513
##	3457	3458	3459	3460	3461

##	0.9302253773	-0.5045317017	0.1914763665	0.0752303965	1.2774955354
##	3462	3463	3464	3465	3466
##	-0.2924317314	0.0500046296	-0.1798257867	0.4882362807	0.1178930589
##	3467	3468	3469	3470	3471
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##	3472	3473	3474	3475	3476
##	1.0036716948	0.5539132968	-0.8717632890	1.4649568396	2.1973064510
##	3477	3478	3479	3480	3481
##	1.2074739729	-0.0297823772	-1.5583386034	1.1678642350	1.0189950272
##	3482	3483	3484	3485	3486
##	-0.5907181078	0.5286875299	-0.7872794754	-0.8358718565	0.1898716242
##	3487	3488	3489	3490	3491
##	0.5782192723	0.5842272711	-0.5646899697	0.3776069089	0.5009372293
##	3492	3493	3494	3495	3496
##	-0.6655930373	2.1408273484	-0.9907294930	-0.0590199999	0.4360430143
##	3497	3498	3499	3500	3501
##	-0.7697838698	0.6348940753	0.1861728888	0.6007052352	-0.0817603732
##	3502	3503	3504	3505	3506
##	-0.6339483010	0.4510336563	0.6027796583	0.7548387807	0.2074259399
##	3507	3508	3509	3510	3511
##	0.1992652379	-0.9143281012	0.6802769717	0.2616740592	1.0412852898
##	3512	3513	3514	3515	3516
##	-0.0417592347	0.5079824396	0.5449110836	0.1139790532	-0.1260473480
##	3517	3518	3519	3520	3521
##	1.5043904473	-1.0088513395	0.7116672976	-1.0275602869	-0.7812323365
##	3522	3523	3524	3525	3526
##	0.8352520284	0.9310277485	-0.6244764072	-0.2690455472	0.0993211017
##	3527	3528	3529	3530	3531
##	0.8819852567	-0.1727610063	1.0325570570	0.3575476295	0.6046325551
##	3532	3533	3534	3535	3536
##	0.4909502588	0.1839943597	0.2064803226	0.4386982824	0.1812154157
##	3537	3538	3539	3540	3541
##	-0.0578520541	0.0017191131	-0.5067689408	0.1959320772	0.2605523118
##	3542	3543	3544	3545	3546
##	-0.9169958810	-0.1364648591	0.4651961011	0.2967568647	-0.0190642573
##	3547	3548	3549	3550	3551
##	0.5365875656	0.3319437762	-0.3376056133	-0.1987562602	0.2686543036
##	3552	3553	3554	3555	3556
##	-0.6874590152	-0.0653865151	-0.3945739667	-0.5772406139	0.1348540179
##	3557	3558	3559	3560	3561
##	0.1428581596	-0.6760692585	0.1698843691	-0.1906542684	0.3278340702
##	3562	3563	3564	3565	3566
##	-1.5812222227	0.7091756481	0.5192680902	-0.5376895861	-0.8662703668
##	3567	3568	3569	3570	3571
##	-1.2757927859	0.6450838043	-1.0216563941	-0.8375807048	-1.7186625338
##	3572	3573	3574	3575	3576
##	-1.7854746116	-1.0109515884	0.4040984718	-0.9102246511	0.2745253122
##	3577	3578	3579	3580	3581
##	0.5482121626	0.3225893025	-0.9021422293	0.0491960025	-0.2679950215
##	3582	3583	3584	3585	3586
##	-1.4682835875	-0.6378685626	0.2781261975	-0.7425877858	0.5393665097
##	3587	3588	3589	3590	3591
##	1.5075545361	0.2812574020	0.1103327720	0.2504933170	-0.7253074505
##	3592	3593	3594	3595	3596

##	0.2765997352	0.0728561672	-0.0257376371	0.2149737151	-0.3706006816
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##	0.5018311947	-0.0015169108	0.3057716787	-0.6286384783	-0.6376015514
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##	-0.2592346179	-0.3298432812	-0.3715861522	0.8854750668	-0.1273521949
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##	3622	3623	3624	3625	3626
##	0.2509168885	0.4714319711	-0.1801129921	-0.8847905831	0.8949469607
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##	0.7046088622	0.1534190058	-2.0912437081	-2.3687467141	0.2498992470
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##	-0.7231617166	-0.2690783423	-0.4186716411	0.7897384868	-0.0510486533
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##	-0.4298461275	-0.5120206777	0.2959279543	0.5044466094	0.0916364254
##	3647	3648	3649	3650	3651
##	0.4537602352	0.3653624159	1.0501959978	0.5932162592	0.4527425937
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##	-1.3969773724	0.6629638413	-0.7082689248	0.3642664943	-0.1253951921
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##	0.2332647226	0.6834145212	0.1446320630	1.2144276781	1.2461311244
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##	0.7877423438	-0.1969236467	-0.3348923486	-0.0419094499	-0.4083778061
##	3667	3668	3669	3670	3671
##	0.8662964388	-0.7457259596	0.6360159119	-0.6867614633	-0.2416215921
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##	-0.0856737532	0.5106250192	-0.0760648692	0.6206672902	-0.3405538061
##	3742	3743	3744	3745	3746
##	1.2518789936	0.3407571706	-0.3706133701	0.8086374152	0.8907728253
##	3747	3748	3749	3750	3751
##	0.3589181572	0.0332141707	0.4229317209	0.1178936846	0.0524319388
##	3752	3753	3754	3755	3756
##	0.7529411137	0.8083438647	0.4400359259	0.7185565734	0.1949995974
##	3757	3758	3759	3760	3761
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##	0.1475814180	0.1061908075	1.4847231943	-0.1306848191	-0.1466735325
##	3767	3768	3769	3770	3771
##	0.9866268255	0.0702602349	0.9123389969	1.2973401701	0.3357472433
##	3772	3773	3774	3775	3776
##	0.3164316251	0.9146874003	-0.5946901979	-0.1734257616	-0.1835434664
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##	-0.2989283552	-0.1673394827	-0.1993560495	-0.1340704340	0.0811411708
##	3787	3788	3789	3790	3791
##	0.9978181409	0.7729585119	0.2611631231	1.2320126735	0.6387472555
##	3792	3793	3794	3795	3796
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##	0.3633596396	0.0188684256	-0.0713102664	-0.7313877620	0.2768405430
##	4316	4317	4318	4319	4320
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##	4321	4322	4323	4324	4325
##	-0.5561185856	-0.1509211428	0.2530433882	-1.6402394617	-0.1285721701
##	4326	4327	4328	4329	4330
##	0.0692416793	-0.1344627488	-0.5229669571	-0.0611534215	-0.7233836203
##	4331	4332	4333	4334	4335
##	0.5731894865	1.0564909136	-0.2354440965	-0.2887919945	0.9759211057
##	4336	4337	4338	4339	4340
##	0.1835697865	0.6927036514	0.7904168043	0.3948673856	0.1914780985
##	4341	4342	4343	4344	4345
##	-0.0580397665	0.0746254576	-0.2821361644	-0.0278432123	-0.3094754944
##	4346	4347	4348	4349	4350
##	0.1241180600	-0.1012895298	-0.2064784337	-0.5158023062	-0.1144014490
##	4351	4352	4353	4354	4355
##	-0.4545676866	-0.9454818548	-0.2647971190	-0.8243238076	-0.0520904778
##	4356	4357	4358	4359	4360
##	-0.7252211826	-0.3864639870	-0.8796482785	0.5530343775	-1.3784687383
##	4361	4362	4363	4364	4365
##	-0.8814095811	-0.4725916830	-0.2634467870	-0.3526861176	-0.4880715756
##	4366	4367	4368	4369	4370
##	-0.2877331926	-0.5401278518	-0.0167274361	-0.1771429608	-0.2795724906
##	4371	4372	4373	4374	4375
##	-0.3874620585	0.3741643158	-0.3169903854	-1.2849827115	-1.5235606455
##	4376	4377	4378	4379	4380
##	-0.0421194127	0.8673564866	0.7189569595	-2.9182698517	-0.1903511378
##	4381	4382	4383	4384	4385
##	-0.5176207266	-0.1478817970	-0.4562271681	-0.5091836656	-1.0424082357
##	4386	4387	4388	4389	4390
##	-1.6691775426	0.4659243936	0.3936718479	1.1639286048	0.0517834477
##	4391	4392	4393	4394	4395
##	-1.7504204889	-1.2098962981	0.5892155740	-0.8055599366	1.3953441933
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##	0.8266783014	-0.7254598094	0.4835178493	-0.5674709682	-0.3620248077
##	4401	4402	4403	4404	4405
##	-0.9311995204	-0.2152300229	0.6272988497	0.3220651131	-0.9895182057
##	4406	4407	4408	4409	4410
##	0.3089923340	0.1408075080	-0.0688657788	-0.0594134550	0.1150337803
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##	4421	4422	4423	4424	4425
##	0.5350065947	-0.5376071045	0.7526057430	0.5959280938	-0.0371427624
##	4426	4427	4428	4429	4430
##	-0.1422142461	0.6165940440	-1.2981766972	-1.1013804893	-0.0229936317
##	4431	4432	4433	4434	4435
##	0.4181343837	0.9041756148	-0.2327256285	-1.1012239291	-0.2415517114
##	4436	4437	4438	4439	4440
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##	4441	4442	4443	4444	4445
##	-1.0166814054	0.5623067846	0.5171195885	-0.4386218997	0.2810463331
##	4446	4447	4448	4449	4450



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##	0.8278568637	0.6175181959	0.6094553441	-0.1736197815	-2.1107590655
##	4456	4457	4458	4459	4460
##	-0.4051332202	0.0983449064	0.3107188571	-0.3960527269	-0.2792392260
##	4461	4462	4463	4464	4465
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##	4466	4467	4468	4469	4470
##	-0.6316758716	0.6971682125	0.7827479477	0.7933940432	0.6316477566
##	4471	4472	4473	4474	4475
##	0.4956164876	-0.2806091280	0.0637059557	-0.1910175369	0.5162432978
##	4476	4477	4478	4479	4480
##	0.3628142733	0.4014455098	0.5240713092	1.2371640125	-0.1879254724
##	4481	4482	4483	4484	4485
##	-0.6282511166	-0.6745146643	-0.2183177269	0.5181024505	0.5720570194
##	4486	4487	4488	4489	4490
##	0.4685757425	0.1276658437	0.0274085870	0.1033794382	0.4226253152
##	4491	4492	4493	4494	4495
##	-0.2044962522	-0.1211279303	-0.5389676116	0.4755426726	0.2603702078
##	4496	4497	4498	4499	4500
##	0.1468836118	-0.2296437390	0.6914392285	0.4300814961	0.2840695125
##	4501	4502	4503	4504	4505
##	-0.2307200906	-0.1900340011	-0.3343238222	-0.6669947389	0.4397295202
##	4506	4507	4508	4509	4510
##	-0.1525965363	-0.3084913844	-0.6079323925	-0.1599744371	-0.3068475020
##	4511	4512	4513	4514	4515
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##	4516	4517	4518	4519	4520
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##	4521	4522	4523	4524	4525
##	0.1397601214	0.0627716288	-0.6182262275	-0.4549534787	-0.4110579044
##	4526	4527	4528	4529	4530
##	-0.1131237886	-0.2027545197	-0.5410811747	-0.1890750697	-0.1271554991
##	4531	4532	4533	4534	4535
##	-0.5348383355	-0.0189723808	0.5293015413	-0.1542012787	-0.6996375466
##	4536	4537	4538	4539	4540
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##	-0.6078541123	-1.1203540221	0.6360560475	-0.2550064961	-0.1827539504
##	4546	4547	4548	4549	4550
##	0.3393744134	-0.4702963811	-0.2375304606	-1.6877282922	-0.5518055504
##	4551	4552	4553	4554	4555
##	1.1131342054	-0.3621915429	-1.5662179844	0.3136985359	-0.5089080476
##	4556	4557	4558	4559	4560
##	-0.5816889841	-1.3643727091	-0.9396052377	-0.9023830432	-2.9173327611
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##	4566	4567	4568	4569	4570
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##	4581	4582	4583	4584	4585

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##	4586	4587	4588	4589	4590
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##	4626	4627	4628	4629	4630
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##	4631	4632	4633	4634	4635
##	0.5707793900	0.6450085086	0.8884988048	0.3474070832	0.3045682906
##	4636	4637	4638	4639	4640
##	0.2332551062	0.5335963356	0.5347118273	-0.6844226763	0.5801338637
##	4641	4642	4643	4644	4645
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##	4646	4647	4648	4649	4650
##	0.5719731618	1.1884682037	-0.1820796114	0.9447626372	0.3719283291
##	4651	4652	4653	4654	4655
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##	4656	4657	4658	4659	4660
##	-0.6960277033	0.0949145738	0.8721969710	0.4362158732	0.5980795800
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##	1.0815571373	1.1801313715	0.4563534326	0.7970480610	-0.0731136920
##	4666	4667	4668	4669	4670
##	0.1491235531	0.0644244692	0.0095501090	0.0599037926	0.1087897241
##	4671	4672	4673	4674	4675
##	0.7329757873	1.2676681096	0.0146187464	-0.4988009548	0.4271745199
##	4676	4677	4678	4679	4680
##	1.0553724390	0.7760298503	0.6861251388	0.4415193509	0.4499736033
##	4681	4682	4683	4684	4685
##	0.2534513758	0.7044035455	-0.5395457544	-0.7812551780	-0.4556099016
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##	4691	4692	4693	4694	4695
##	0.3513993691	-0.2196540664	-0.1037407868	-0.1590065476	-0.7780261233
##	4696	4697	4698	4699	4700
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##	4701	4702	4703	4704	4705
##	0.4989965250	-0.1964831525	0.4831271578	1.1305037049	0.4503864999
##	4706	4707	4708	4709	4710
##	0.8047410083	0.9133546672	0.1983441011	0.3663527969	0.4531067338
##	4711	4712	4713	4714	4715
##	0.3243946555	0.4132230155	0.5592937092	0.6073968396	0.1595954444
##	4716	4717	4718	4719	4720

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##	4726	4727	4728	4729	4730
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##	0.4233014805	1.1198770796	0.3212437812	0.6705492223	0.3839852930
##	4761	4762	4763	4764	4765
##	0.3921264249	-0.8046982460	-0.7027971069	-0.3494015299	0.5456924396
##	4766	4767	4768	4769	4770
##	0.4031343221	0.1112277750	0.3123685293	0.0721659979	0.1247702348
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##	4786	4787	4788	4789	4790
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##	4791	4792	4793	4794	4795
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##	4821	4822	4823	4824	4825
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##	4831	4832	4833	4834	4835
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##	4851	4852	4853	4854	4855

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##	4886	4887	4888	5077	5078
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##	5084	5085	5086	5087	5088
##	0.7173884007	0.2923860889	0.3814297192	0.5931578590	0.3977119830
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##	1.1944665587	-0.0523399654	0.4030154608	0.3510570348	0.2580211187
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##	5104	5105	5106	5107	5108
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##	0.5864649092	0.1824612381	0.4767553287	0.9628944099	0.9045170145
##	5124	5125	5126	5127	5128
##	0.3296474235	0.3547166301	0.2481773943	0.2599781215	0.5147211842
##	5129	5130	5131	5132	5133
##	0.9745385769	0.4051485939	0.1968256391	-0.7732802501	0.5415125534
##	5134	5135	5136	5137	5138
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##	5144	5145	5146	5147	5148
##	0.4981649400	0.0974294637	0.0227502345	-0.7317135093	-0.0773700320
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##	5154	5155	5156	5157	5158
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##	5159	5160	5161	5162	5163
##	0.4615494164	0.3242069555	1.0263404427	-0.3430723107	-0.4123502121
##	5164	5165	5166	5167	5168
##	-0.2232450254	0.0569390745	0.1471644979	0.4143345288	-0.2270535896
##	5169	5170	5171	5172	5173
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##	5174	5175	5176	5177	5178

##	0.5302673784	0.6533237184	0.1039343047	0.0126596911	-0.0656791335
##	5179	5180	5181	5182	5183
##	1.1222020344	0.2491634871	1.4074743417	-1.1631076290	0.4488756293
##	5184	5185	5186	5187	5188
##	-0.7192202396	0.3078540030	-0.8581870129	0.2200824246	-0.7814333606
##	5189	5190	5191	5192	5193
##	0.2363451184	-0.4996053783	-1.1758477176	-0.1299275375	-0.1504369275
##	5194	5195	5196	5197	5198
##	-0.5106624445	0.0346368333	0.4776631414	0.2369202791	-0.0018536402
##	5199	5200	5201	5202	5203
##	0.3371579658	-0.1298611975	0.3392841271	0.6576884929	-0.0669896673
##	5204	5205	5206	5207	5208
##	-1.0215712291	1.4777652504	-0.0150301172	-0.2525461007	-0.8165671587
##	5209	5210	5211	5212	5213
##	-0.6203022289	-0.1607851238	-0.6122560598	-1.4932730831	-1.2483269051
##	5214	5215	5216	5217	5218
##	-0.8438047887	0.0152488878	-0.4576271680	-0.5995708314	-1.3811464436
##	5219	5220	5221	5222	5223
##	0.2274714114	-1.0099639563	-0.7332565843	0.0916874947	-0.6629584749
##	5224	5225	5226	5227	5228
##	1.0543596604	-1.2970466518	-0.9591460459	0.7159996144	-0.0121620109
##	5229	5230	5231	5232	5233
##	0.1020682463	-0.2196043143	0.1605434918	-0.2739111438	-0.1455904661
##	5234	5235	5236	5237	5238
##	0.1098375476	0.0864513634	-0.4335634374	-0.5836655570	-0.5903780768
##	5239	5240	5241	5242	5243
##	-0.9978652129	-1.9776582664	-0.4047172152	-0.0270743727	-1.4407153908
##	5244	5245	5246	5247	5248
##	0.4123119101	-0.1004815501	-0.4305496530	-0.2586465215	-0.5953880041
##	5249	5250	5251	5252	5253
##	0.0784276517	-1.2302131598	-0.2375038874	-0.1701634189	-0.4123620933
##	5254	5255	5256	5257	5258
##	0.2356798348	0.5010298530	-0.3366456525	-0.0743289887	0.0296270034
##	5259	5260	5261	5262	5263
##	0.6100349125	-1.5705946677	0.0056341483	-0.4115010120	-1.8157679864
##	5264	5265	5266	5267	5268
##	-0.1051713538	0.0560856821	0.1181422429	-0.2354294644	-0.1221972788
##	5269	5270	5271	5272	5273
##	-0.5186860588	-0.0418427412	-0.8386755969	-0.2652346180	-0.2526315196
##	5274	5275	5276	5277	5278
##	-1.1998404753	-0.6822327881	-0.6478286777	0.5503632832	0.0634414009
##	5279	5280	5281	5282	5283
##	-0.2293262275	1.0853100158	1.3658463763	0.2673806692	1.1955284171
##	5284	5285	5286	5287	5288
##	1.2403829227	0.5607158284	-1.3876957921	-0.1798140550	0.4360938860
##	5289	5290	5291	5292	5293
##	-0.3200333102	0.2370079848	1.0964845022	0.1691978356	1.4720920617
##	5294	5295	5296	5297	5298
##	-0.5503138371	-0.5541691327	1.1885614869	-0.4567886702	0.3496922096
##	5299	5300	5301	5302	5303
##	0.3079297685	-0.5909803566	1.3264127686	1.7093590888	1.0016285734
##	5304	5305	5306	5307	5308
##	0.1909205674	0.5874289174	-1.6393076502	0.0647134527	-0.2655112104
##	5309	5310	5311	5312	5313

##	0.2748759902	0.9554108242	-0.1115862768	-1.0767800889	-0.5347881460
##	5314	5315	5316	5317	5318
##	-0.2768551686	0.3528105026	0.4443363900	0.3495587413	0.1903369884
##	5319	5320	5321	5322	5323
##	-0.0123302281	0.0796352498	-0.0151423988	-0.2012925112	0.5137963350
##	5324	5325	5326	5327	5328
##	-0.3910043687	0.0848604475	-1.2569781356	0.5841505879	0.1673062501
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##	-0.3214943550	-0.3178543297	0.2372299624	-0.4331609383	0.1145650230
##	5334	5335	5336	5337	5338
##	-0.4313604957	0.4479796008	0.3793866504	0.0350715667	-1.3595278136
##	5339	5340	5341	5342	5343
##	0.2987581324	-0.0996680804	0.1534310998	0.3402074531	0.1628247136
##	5344	5345	5346	5347	5348
##	-0.0993941000	-0.6068058024	-0.1731339679	0.3127311329	-1.4800204799
##	5349	5350	5351	5352	5353
##	-0.5389565131	0.6659701497	-0.1347767118	0.4980201640	0.7802982569
##	5354	5355	5356	5357	5358
##	-0.2657002033	0.4911315139	-0.4481124402	0.2691486791	0.4186636979
##	5359	5360	5361	5362	5363
##	0.4201510200	-0.0003697552	0.2961944587	0.0308444405	-0.2719039024
##	5364	5365	5366	5367	5368
##	-0.5223806989	-0.6823265429	-0.3164648576	-0.8393317139	0.4145395905
##	5369	5370	5371	5372	5373
##	0.2357478089	0.9962782615	-0.7674901388	-0.3512356299	-0.4935097380
##	5374	5375	5376	5377	5378
##	-0.0625189975	0.1370757245	0.5902197375	-0.0375280709	-0.1797434690
##	5379	5380	5381	5382	5383
##	-0.3100015795	0.4573783831	0.3701743356	-1.2908318445	-0.3929980710
##	5384	5385	5386	5387	5388
##	0.3399582113	-0.9239720878	0.4224067420	-0.6261355835	0.5098458684
##	5389	5390	5391	5392	5393
##	0.5141317047	0.2628721071	-0.4268344120	0.4945225360	0.1323791562
##	5394	5395	5396	5397	5398
##	0.5768927865	1.0429334483	0.4083752699	0.1533190868	0.5538784328
##	5399	5400	5401	5402	5403
##	1.2364810314	-0.4902021647	-0.4091431061	-0.0171554326	-0.2291184127
##	5404	5405	5406	5407	5408
##	1.4762921623	0.3618377419	0.6903206724	-0.5096547731	0.5993787494
##	5409	5410	5411	5412	5413
##	0.6446570093	-0.6699400939	0.8694970682	0.9107702586	0.0124080943
##	5414	5415	5416	5417	5418
##	0.0537008547	0.3331412936	-0.1199831494	0.3674084137	0.1364429358
##	5419	5420	5421	5422	5423
##	0.3648251699	0.0914710100	0.6241280493	0.7583784457	0.2907721816
##	5424	5425	5426	5427	5428
##	0.5070014279	0.2068754688	0.5524626044	0.3968221667	0.2422580806
##	5429	5430	5431	5432	5433
##	0.6596280812	0.3823075295	-0.4237428098	0.2400334213	1.2058730443
##	5434	5435	5436	5437	5438
##	0.9414819575	0.5548760419	-0.2337961119	-0.5466621596	-0.4280677861
##	5439	5440	5441	5442	5613
##	0.8631431329	0.5724694977	-0.4386943116	0.8150008625	1.2441382478
##	5614	5615	5616	5617	5618

##	-0.2092886385	0.1277268245	1.8916909252	1.1292034697	0.7153952143
##	5619	5620	5621	5622	5623
##	1.2402179551	0.5803445671	0.6507379601	-2.1978166973	1.4109748623
##	5624	5625	5626	5627	5628
##	1.1076394185	-0.6923335348	0.0034005530	0.8477885783	0.7123052701
##	5629	5630	5631	5632	5633
##	0.9777139984	0.1854605294	0.6716191806	0.1268874337	0.3576767813
##	5634	5635	5636	5637	5638
##	0.1636399474	-0.5562044157	0.2339550603	0.9121935426	0.9362059677
##	5639	5640	5641	5642	5643
##	0.1952846837	0.3767966993	-0.3623241420	0.6303851303	-0.3562378631
##	5644	5645	5646	5647	5648
##	0.4205748533	1.4793721123	-0.2501095979	0.8305669531	0.8285121001
##	5649	5650	5651	5652	5653
##	1.0674817197	0.4865062798	1.0112765975	1.3060006691	1.2711939753
##	5654	5655	5656	5657	5658
##	-0.5933125453	0.7701662959	0.8446652013	-0.1685241059	0.9428158842
##	5659	5660	5661	5662	5663
##	1.2163000450	1.0117163636	1.4653985523	1.0666522297	0.5465647402
##	5664	5665	5666	5667	5668
##	0.1047713439	0.7190465854	0.5045241252	2.0311750693	0.7681743466
##	5669	5670	5671	5672	5673
##	0.6444638085	0.7099465221	1.6222173853	1.0822523382	0.2520078522
##	5674	5675	5676	5677	5678
##	1.4811035003	0.6268088469	1.0686861148	0.7374144552	1.7636038529
##	5679	5680	5681	5682	5683
##	1.4829906102	0.4828642970	-0.0409345086	0.1656830580	0.4263239835
##	5684	5685	5686	5687	5688
##	0.7863342302	0.3081992907	0.0460196171	-0.0271135799	0.3551869294
##	5689	5690	5691	5692	5693
##	-0.0912445637	-0.3891982496	0.5126669498	0.2947351110	0.1640660298
##	5694	5695	5696	5697	5698
##	0.5169136460	0.2495674849	-1.0867132101	1.1469120077	0.4548179452
##	5699	5700	5701	5702	5703
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##	5704	5705	5706	5707	5708
##	0.2853023572	0.3827511046	0.0500801879	0.1356990631	1.9722679700
##	5709	5710	5711	5712	5713
##	1.2949688491	0.2795974837	0.4851806344	0.5910349193	0.7526050757
##	5714	5715	5716	5717	5718
##	-0.3403810234	0.3565076962	-2.4721246721	0.3962348543	-1.2562975033
##	5719	5720	5721	5722	5723
##	0.6272199022	1.1378606593	0.8818846848	0.9234905657	0.6439718467
##	5724	5725	5726	5727	5728
##	0.4573520537	0.2706148405	0.0786719997	0.3575253377	-2.9049549953
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##	-0.6445610439	0.0683628678	-0.8726130338	0.0054696883	-0.2320126091
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##	5744	5745	5746	5747	5748
##	0.4403229454	0.2649738041	0.4889321243	0.7283979021	1.0716487760
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##	5759	5760	5761	5762	5763
##	0.8434349903	1.1654206713	0.9531250008	-1.1686379334	1.2261073301
##	5918	5919	5920	5921	5922
##	0.9126322079	-0.3140563267	-0.3312779519	0.0999476290	2.7559136346
##	5923	5924	5925	5926	5927
##	1.7382525758	-0.0222084897	1.6092665171	-0.1058312220	0.3934589184
##	5928	5929	5930	5931	5932
##	0.2688565461	-0.3135475059	1.4114526677	0.3102080166	0.0778139266
##	5933	5934	5935	5936	5937
##	0.6659519971	0.4938140252	0.3525575586	0.1559179109	0.4898021694
##	5938	5939	5940	5941	5942
##	0.0156986557	-0.1275735239	0.2216144970	0.3114996385	0.6662846875
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##	0.1549785495	0.6209996413	0.1159754825	0.3914627755	-0.2154233824
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##	5973	5974	5975	5976	5977
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##	5978	5979	5980	5981	5982
##	-0.4597747599	-0.6259634430	-1.7404570035	0.4660441546	-0.2211378307
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##	0.1662313160	0.1562897414	0.1510058337	1.6036890590	1.2254591156
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##	6003	6004	6005	6006	6007
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##	6008	6009	6010	6011	6012
##	0.4980826595	0.3576089940	-0.0395843071	0.1508712115	0.1325536647
##	6013	6014	6015	6016	6017
##	0.6865420352	-0.4749978741	0.1669773451	-0.1700772580	0.1549026374
##	6018	6019	6020	6021	6022
##	0.5087091850	-0.0563166816	0.1010459186	0.5430545853	0.1085803796
##	6023	6024	6025	6026	6027
##	1.1287268321	-0.2284937935	-0.8374348044	0.7198110839	0.1445892323
##	6028	6029	6030	6031	6032
##	0.8430044141	0.7840790579	-0.0461989768	-0.1985712197	2.1413975336
##	6033	6034	6035	6036	6037
##	0.5001375125	-0.4613184241	0.7956253748	0.6837043810	1.4812417578
##	6038	6039	6040	6041	6042



##	0.4258301138	-0.6574492510	0.0265428196	0.0927677965	-0.3162458019
##	6043	6044	6045	6046	6047
##	0.4400183845	0.7820633449	-0.4430400174	0.5998272383	0.9322633147
##	6048	6049	6050	6051	6052
##	0.2335154424	0.5297665358	0.0014736129	-0.0682543991	0.7487747262
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##	6058	6059	6060	6061	6062
##	1.9109126998	0.9516290364	0.2759346578	-0.9179153687	0.0096452783
##	6063	6064	6065	6066	6067
##	1.0234510415	0.4797173660	-0.0764041376	0.9431356440	1.5461665062
##	6068	6069	6070	6071	6072
##	1.4913117159	0.9212563519	0.9321959979	0.2492411388	0.6777856257
##	6073	6074	6075	6076	6077
##	0.8035426297	-0.5999806836	0.7896870495	0.4320643463	0.4192655475
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##	6083	6084	6085	6086	6087
##	0.8967351061	-0.6997291195	-0.8480699366	-1.1455343717	-0.2484638293
##	6088	6089	6090	6091	6092
##	0.7501164516	0.9299063046	-1.5845488240	-0.1817300317	-0.1785053606
##	6093	6094	6095	6096	6097
##	1.3657068885	-0.5799844980	1.3945726808	-0.0555413189	0.5009911553
##	6098	6099	6100	6101	6102
##	0.3823185017	-0.2270334798	0.1365972222	0.1352273202	0.1321051873
##	6103	6104	6105	6106	6107
##	-0.5083239997	1.2476750993	0.7664285253	0.3086464155	0.1597772077
##	6108	6112	6113	6114	6115
##	-0.6621835648	-0.8307109990	-1.3051667731	-3.7432041815	-0.3098187885
##	6116	6117	6118	6119	6120
##	-3.6272517618	-1.8518532820	-1.4607071198	-0.4801704053	0.4607270941
##	6121	6122	6123	6124	6125
##	-0.2795092388	-0.6340203075	0.3500977223	0.1083882987	0.4736041730
##	6126	6127	6128	6129	6130
##	-0.7736916018	0.4291214979	-0.3395696567	-0.1003847668	-0.5592823681
##	6131	6132	6133	6134	6135
##	0.3355767610	-0.1041226422	0.1390741036	0.7053915921	0.4481239957
##	6136	6137	6138	6139	6140
##	0.9988050313	-0.2241847679	-0.3378474942	-0.0554324110	-0.1074299771
##	6141	6142	6143	6144	6145
##	0.4534666135	-0.8815224596	-0.3420354803	0.3337176083	0.5080474234
##	6146	6147	6148	6149	6150
##	0.4874597532	0.6514565932	-0.0185037670	-0.2440287769	-0.1627935881
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##	6156	6157	6158	6159	6160
##	0.3173730782	0.3270602423	0.1471921092	0.3404852820	0.2532225243
##	6161	6162	6163	6164	6165
##	0.6415506024	0.9430856036	0.1805981481	-0.6322625611	0.0941964717
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##	6181	6182	6183	6184	6185
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##	-0.0181746327	0.1357240724	0.2518721923	0.5019967283	-0.0809161445
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##	6201	6202	6203	6204	6205
##	0.6523923983	-0.1645388769	0.4845989728	0.2688589772	-0.0344177565
##	6206	6207	6208	6209	6210
##	0.3856529081	-0.5139421680	0.9860026764	-0.1689812734	0.7144880991
##	6211	6212	6213	6214	6215
##	0.8185810814	-0.5379154531	-0.1219349245	0.3152203750	0.7724545239
##	6216	6217	6218	6219	6220
##	0.5590825018	-0.0305233208	0.5963829764	-0.3087308478	0.9457471275
##	6221	6222	6223	6224	6225
##	0.5869110825	0.2938268850	0.0066740202	0.1780120671	0.9196011783
##	6226	6227	6228	6229	6230
##	-0.6312569302	-0.0747605383	-1.5763829011	-0.0071196719	0.7831024282
##	6231	6232	6233	6234	6235
##	0.3043099357	-0.9552503760	1.3312706722	0.7546965316	0.3636032085
##	6236	6237	6238	6239	6240
##	0.5444968111	0.7557122161	0.9375295241	0.4402081285	-0.3818250531
##	6241	6242	6243	6244	6245
##	-0.4548858410	0.8734278953	0.5314533870	-0.1359452564	-0.3757387742
##	6246	6247	6248	6249	6250
##	-0.7216468582	-0.7971734697	0.2445313263	0.1837605164	-0.2767790104
##	6251	6252	6253	6254	6255
##	-1.0075062664	0.0629097186	0.6841935465	1.2623274183	-0.7868992047
##	6256	6257	6258	6259	6260
##	0.3455322440	-1.1370618130	0.0792330794	-0.8562456012	-0.3087799212
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##	0.0507097627	-0.4570483291	-1.2832831959	0.7237191333	-1.0703730264
##	6266	6267	6268	6269	6270
##	-2.4274801458	-0.2314098130	0.3235081338	0.2050585785	-1.1008044209
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##	-2.3781167056	0.5647302637	0.2374567609	0.7232318396	-0.9216682069
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##	0.5963691290	0.0646886342	-0.0383906206	-0.4418561159	-0.6747492416
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##	0.9749180638	-0.1882559429	0.3472700626	-0.4798239285	-0.4566001755
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##	0.5947840790	-0.3548332134	0.7504208473	0.4937586275	0.9018132945
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##	0.8232002409	0.3213369453	1.1435716982	0.3493220862	0.2585954335
##	6346	6347	6348	6349	6350
##	0.8946017939	0.0406831647	0.7326598070	0.5612459262	0.2950152568
##	6351	6352	6353	6354	6355
##	0.5464509846	0.1351085528	0.3015907864	0.1678687807	0.0231484190
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##	-0.0446391814	0.0191591119	-0.7715678949	-0.1175375381	0.3545698326
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##	0.0938383412	-0.1020772155	-0.2912215422	-0.1951522716	-0.2524141754
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##	-0.2454472452	-0.6577290384	-0.1142497733	-0.0186110434	-0.4875872095
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##	-0.3185021621	-0.1066174621	0.3971150748	-0.2844307423	-0.3633762377
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##	6421	6422	6423	6424	6425
##	0.1244226781	0.6183506307	1.3306801029	0.0682566959	-0.3028106169
##	6426	6427	6428	6429	6430
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##	0.4875249893	-1.0530080944	-0.1251734670	0.1788664978	0.4415549921
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##	0.4129240402	0.8352843981	0.7405263195	0.5851794322	1.1174255009
##	6441	6442	6443	6444	6445
##	-0.0432924672	0.8938770638	0.4722016569	-0.0933330305	0.8814892357
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##	6451	6452	6453	6454	6455
##	-0.6496502343	0.5822243579	0.6145540452	0.0398605844	1.5846403644
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##	0.3690480360	0.0502914097	0.4550778819	1.2387988184	0.5973715600
##	6466	6467	6468	6469	6470
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##	6481	6482	6483	6484	6485
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##	0.2568924253	-0.2319240804	-1.0609655339	0.1439122038	-0.3149621582
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##	0.9501273355	-0.8794159311	-0.2360316698	0.3359611270	0.7650535748
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##	0.4318738373	-1.9315202403	-0.1105486462	-0.3618473839	1.8734021463
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##	6561	6562	6563	6564	6565
##	0.7651157357	0.3470803541	1.5449030965	0.1671339409	0.6606117828
##	6566	6567	6568	6569	6570
##	0.4460068488	0.8980549402	1.6801515644	0.8940039443	0.8161152303
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##	0.2854492271	0.6825251080	0.2968194137	0.4618338951	0.5160428744
##	6791	6792	6793	6794	6795
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##	6816	6817	6818	6819	6820
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##	6821	6822	6823	6824	6825
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##	6826	6827	6828	6829	6830
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##	7095	7096	7097	7098	7099
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##	0.8530254190	0.0415933219	1.3776587466	0.5671660108	1.8998262505
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##	7185	7186	7187	7188	7189
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##	7230	7231	7232	7233	7234
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##	-0.6494807936	0.3839928484	-0.9904494024	-0.3604510407	-0.0490527452
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##	0.7766067628	-0.0143746544	0.2243014147	-0.1824616304	-0.8647119685
##	7270	7271	7272	7273	7274
##	0.2293896222	-0.9994907557	0.6329823226	-0.9028343842	0.3725639516
##	7275	7276	7277	7278	7279
##	0.3407822251	-0.3205281823	-0.6355012424	-0.1193808774	-0.2625160668
##	7280	7281	7282	7283	7284
##	-0.4169823028	-0.3700338041	1.1450787126	0.9776179776	0.5151782011
##	7285	7286	7287	7288	7289
##	1.1799133635	0.7828179126	0.5061955579	-0.0995361692	0.3417941282
##	7290	7291	7292	7293	7294
##	0.4000736734	0.0194561866	-0.3682065106	-0.0815055911	0.8184221755
##	7295	7296	7297	7298	7299
##	0.1012589063	0.1459764217	-0.1557347097	0.4434017168	0.6264206246
##	7300	7301	7302	7303	7304
##	-1.2656684535	0.7342906224	1.3107258157	0.1316903008	0.5886896094
##	7305	7306	7307	7308	7309
##	0.3519118330	0.1837661470	0.1198112934	0.9882704540	-0.2479291146
##	7310	7311	7312	7313	7314
##	-0.5826353143	-1.2825769583	0.9406761443	0.6748901812	0.7381796538
##	7315	7316	7317	7318	7319
##	-1.0854926042	0.9550742811	0.6268653310	0.4622031101	0.4243938148
##	7320	7321	7322	7323	7324
##	0.3845688065	-0.2539033776	0.2407095260	0.7756171186	0.2323726938
##	7325	7326	7327	7328	7329
##	-0.2786007537	-1.6195359504	-1.9922471457	0.4452194903	0.2328255304
##	7330	7331	7332	7333	7334
##	-1.3609967414	0.8674398965	0.5352190905	0.0962046382	-0.0264211612
##	7335	7336	7337	7338	7339
##	0.8964818190	-0.2675826240	-0.5385492404	-0.1196919176	-0.2765261271
##	7340	7341	7342	7343	7344
##	0.5560220309	0.4452556689	0.4191296807	0.0199989467	-0.2697353271
##	7345	7346	7347	7348	7349
##	0.1975578165	0.3706547197	-0.4935381746	-0.5309756393	-0.5383731102
##	7350	7351	7352	7353	7354
##	0.2548784304	-1.1373529765	-0.7111568929	-0.5291947667	0.5352973706
##	7355	7356	7357	7358	7359
##	-0.0109216985	-0.8105530684	0.5157860521	0.1642104877	-1.1707003052
##	7360	7361	7362	7363	7364
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##	7365	7366	7367	7368	7369
##	-0.2952742145	0.2629804222	-0.2673282136	0.2998894962	-0.3592486381
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##	0.6316406216	-0.2312802209	0.7446575369	-0.4936751648	1.0241371158
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##	-0.7252473136	-0.1273829389	-0.0379283380	-0.1448981145	0.8402179867
##	7380	7381	7382	7383	7384

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##	-1.2743040368	0.8125459662	1.0828472017	-0.6843459537	0.5022827323
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##	-1.0023393489	-1.1070390021	-0.1435282125	0.8378891533	0.1927435895
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##	1.3788047446	0.7295886149	0.3250369830	0.5822850093	0.2766011621
##	7400	7401	7402	7403	7404
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##	-0.1350543901	0.7625054030	0.6952627846	0.1193364121	0.9632156166
##	7410	7411	7412	7413	7414
##	0.3750971162	-0.4301312818	0.3489906980	0.0953631270	-0.7528019139
##	7415	7416	7417	7418	7419
##	0.3550769769	-1.1002090621	0.7916451756	-1.0596208227	0.0602936357
##	7420	7421	7422	7423	7424
##	1.3419348107	1.2514234283	0.6029313896	0.1328201618	-0.4680579973
##	7425	7426	7427	7428	7429
##	-1.1703676148	-0.0470871114	-0.5502129775	-0.4360022904	-1.4906311333
##	7430	7431	7432	7433	7434
##	-0.9219456713	-0.1424714310	-0.5969853459	-0.1754149800	0.9145181945
##	7435	7436	7437	7438	7442
##	-0.7232779315	0.1440853074	0.5893502534	0.8579488963	0.0547052794
##	7643	7644	7645	7646	7647
##	-0.0871382881	1.4199887568	-0.1260435051	-0.1596061042	0.5337795802
##	7648	7649	7650	7651	7652
##	-1.6235420959	-0.9011927691	-0.0438689548	-0.2179443595	0.6292813200
##	7653	7654	7655	7656	7657
##	0.6593800240	1.2712956792	-0.4823745864	-0.2273771133	-0.1402317758
##	7658	7659	7660	7661	7662
##	-0.6317526149	1.0463382001	1.1543843282	0.9769820186	0.5148945026
##	7663	7664	7665	7666	7667
##	-0.2508024376	0.3798613051	0.5220767031	-0.0035742659	-0.5424154342
##	7668	7669	7670	7671	7672
##	0.6533720252	0.5838397135	-0.1581187820	0.1842001588	0.4267706637
##	7673	7674	7675	7676	7677
##	0.2603080002	0.0637857727	0.0154282319	0.2590946584	0.3682954181
##	7678	7679	7680	7681	7682
##	-0.3851702542	-0.2825058840	0.0294403724	0.7983076572	0.1047067025
##	7683	7684	7685	7686	7687
##	0.0793243754	-0.5260548903	0.3996466040	0.4390019316	0.1111648120
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##	1.1388457255	-0.1913291206	0.7298516971	-0.2125234616	0.4517811603
##	7703	7704	7705	7706	7707
##	0.0639227629	-0.1770429997	0.1749435353	1.2249929915	-0.4874236538
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##	7718	7719	7720	7721	7722



##	0.4342072746	0.6020985502	-0.3900627613	0.1472323747	-0.1271002866
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##	0.7339614031	0.3141255789	-0.3070075598	-0.7268629541	-0.0018100217
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##	0.1954950070	0.0492677530	0.8468051298	-0.0688569398	0.2295859968
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##	0.3211345908	-0.4739565324	-0.5553287115	0.2938931109	0.8622458824
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##	-0.2427562142	0.3426224822	-1.1162253021	0.4544651958	0.3456949767
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##	7763	7764	7765	7766	7767
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##	-0.1588595014	-0.4287106262	-0.0886813788	0.6304193233	0.3330135982
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##	0.3181208064	0.4488877377	0.3529554573	0.3427203324	-1.1134659280
##	7778	7779	7780	7781	7782
##	0.4015282684	-0.7673699717	0.8870606787	-0.7293454061	-0.5876583988
##	7783	7784	7785	7786	7787
##	0.1340017031	1.2198251717	1.5251763284	0.8018289301	0.4548914626
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##	0.0820824172	1.0637737634	1.1775343398	0.5152845709	1.0304851447
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##	1.0772379431	0.7431384143	0.5055935967	0.4896674878	0.3995279359
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##	-0.5444911052	-1.0021949348	-0.4954094734	-0.5165842444	0.0829044427
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##	0.5583688450	-0.2313796604	0.1562634667	0.0806644461	-0.9753930089
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##	1.2813248426	0.9920798195	0.7776118757	0.2541723199	-0.2487187058
##	7858	7859	7860	7861	7862
##	1.3867094468	0.7006820932	0.6465122539	0.4588552494	0.2445242958
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##	7878	7879	7880	7881	7882
##	1.1875966371	0.7215755453	0.5109237571	0.0440807242	0.1068222359
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##	0.4638578383	0.6754098478	-0.6895409391	0.4243068104	-0.0872733080
##	7923	7924	7925	7926	7927
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##	0.1586828118	-0.7653356600	-0.0393267379	0.4481431053	-2.1019490455
##	7933	7934	7935	7936	7937
##	-0.0804629380	0.2815238815	0.9737157942	0.4487106361	0.3711741827
##	7938	7939	7940	7941	7942
##	0.2011106339	0.3676124375	0.0340217294	0.5565414939	0.0941604274
##	7943	7944	7945	7946	7947
##	-0.1057474150	0.8741015617	0.0696636840	0.2126031731	-0.6627054975
##	7948	7949	7950	7951	7952
##	0.3445638762	0.2261456329	0.4330008355	-0.5727420758	-0.1641394481
##	7953	7954	7955	7956	7957
##	0.2623697559	-0.1264867130	0.5855883488	0.2684560348	-1.1946971558
##	7958	7959	7960	7961	7962
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##	0.2878107931	-0.4890802034	-0.0943722960	-0.7585007876	0.4071879678
##	7968	7969	7970	7971	7972
##	-0.5180242758	-0.1090693875	-1.0759853621	-1.7014043371	-0.9005400554
##	7973	7974	7975	7976	7977
##	1.0451904712	-0.5577318639	-0.7566612049	0.6908751028	0.2411754149
##	7978	7979	7980	7981	7982
##	-0.8974871309	0.1010148699	-0.0019626208	0.5851578082	1.0028017892
##	7983	7984	7985	7986	7987
##	0.3387124376	-0.0908692609	0.3655233768	-0.7298111256	-0.3482151374
##	7988	7989	7990	7991	7992

##	-0.2093266442	-1.0829131522	1.0997125709	-0.3809753653	1.0682831050
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##	-0.3560235788	-0.4804889609	0.3533899591	0.5510081082	0.3254830982
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##	-0.3035171920	0.4577960618	0.6423610018	0.6696611918	-0.2971177926
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##	-0.0441751726	-0.1459911443	-0.2276568738	-0.3403998087	0.2113575785
##	8008	8009	8010	8011	8012
##	0.8031748143	0.1480485359	-0.2082238353	-0.4653348715	-0.3711247537
##	8013	8014	8015	8016	8017
##	0.8847622637	0.6319957739	-0.2582056885	1.2584715304	0.4108740204
##	8018	8019	8020	8021	8022
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##	8028	8029	8030	8031	8032
##	0.1941359533	-1.7480915381	-0.7480435051	-0.4449820417	-0.8989871359
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##	8038	8039	8040	8041	8042
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##	8048	8049	8050	8051	8052
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##	8053	8054	8055	8056	8057
##	0.6651256272	0.8651508899	0.0733866715	0.4582312845	0.8227034978
##	8058	8059	8060	8061	8062
##	0.7362235412	0.2025684305	0.1372045349	0.1988696951	0.4253536364
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##	8068	8069	8070	8071	8072
##	0.2724530027	1.0799123840	0.2509064012	-0.3536900633	-0.5270022368
##	8073	8074	8075	8076	8077
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##	8078	8079	8080	8081	8082
##	-0.0229760139	0.0427792823	-0.0102328822	1.2212111694	-0.4264286810
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##	8145	8146	8147	8148	8149
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##	8155	8156	8157	8158	8159
##	0.6525017098	-1.2279040612	-1.1689199949	-1.4753279332	-0.5612706059
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##	-0.2155269101	-1.8805058059	-0.4952608993	-0.3243949794	0.2575198220
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##	8200	8201	8202	8203	8204
##	-0.3651712688	-1.2652947357	-0.5541394653	0.1013390737	-0.0240265297
##	8205	8206	8207	8208	8209
##	-0.8954799047	-0.3321957706	-0.1139312413	0.1093432154	-0.1063967803
##	8210	8211	8212	8213	8214
##	-0.2110572934	-0.5371331104	-0.5521433224	-0.4215133813	-0.2086306098
##	8215	8216	8217	8218	8219
##	-0.8399205934	-0.0235177090	-0.2745424662	-0.6805422802	0.1973692042
##	8220	8221	8222	8223	8224
##	-0.3497892263	-0.4060530586	-0.5506168601	-0.7321875858	-1.5680235086
##	8225	8226	8227	8228	8229
##	-0.6423024443	-0.7126175571	-0.6446899878	-0.7142418695	-0.6600916003
##	8230	8231	8232	8233	8234
##	-0.4489897015	-1.2486797814	-1.4477656827	0.0011796671	0.1437473257
##	8235	8236	8237	8238	8239
##	-0.0346921954	-0.9701787040	0.6761890947	-0.3026254573	-0.5413993767
##	8240	8241	8242	8243	8244
##	-0.6761977339	-0.6948675412	0.1009476731	0.1163101456	0.4117588678
##	8245	8246	8299	8300	8301
##	-0.3889879937	-0.4637259330	-0.2563827959	0.0168148038	0.4691173055
##	8302	8303	8304	8305	8306
##	-0.9547001275	-0.1575150112	-1.0992443590	1.0151211043	-0.8128369900
##	8307	8308	8309	8310	8311
##	0.9480741862	-0.1490607589	0.3740461064	-1.4986295033	1.1121688763
##	8312	8313	8314	8315	8316
##	-0.6713065429	0.4698413966	0.7419039346	-0.3294964228	-1.0378531791
##	8317	8318	8319	8320	8321
##	-0.0060821297	0.8088530026	-0.0385292372	-0.1519962632	0.6254035542
##	8322	8323	8324	8325	8326
##	-1.3991746178	0.1767019377	0.0862884055	-1.1137848902	0.1085395280
##	8327	8328	8329	8330	8331
##	-0.6009131499	-0.0646160853	-0.5256076797	0.1239020005	0.2268599211
##	8332	8333	8334	8335	8336
##	0.0348779402	0.3587423441	0.6628801590	-1.2420859979	-0.2642890874
##	8337	8338	8339	8340	8341
##	0.1224538184	-0.2861879495	-1.3682735425	-0.0196050195	-0.6944187467
##	8342	8343	8344	8345	8346
##	-0.4676412549	0.9885254354	-0.9577726220	0.5554407018	1.1479820287
##	8347	8348	8349	8350	8351
##	-1.4973378814	-1.6778518255	0.9602271740	-0.0360242735	-0.2327422013
##	8352	8353	8354	8355	8356
##	-0.2427424859	0.3513644433	1.0570205356	1.1890986588	0.5744236296
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##	0.6391221442	1.4465228155	0.5827800318	-1.4633643117	-0.5643954765
##	8362	8363	8364	8365	8366
##	-0.7325020224	-0.2049919007	-0.7635400878	0.3069600483	0.0086541019
##	8367	8368	8369	8370	8371

##	0.8475038091	1.0251800990	0.1769759181	-0.0619741315	-1.4691179001
##	8372	8373	8374	8375	8376
##	0.6538192357	0.4353002961	0.7991071283	0.1986399398	0.5691201518
##	8377	8378	8379	8380	8381
##	0.8471515486	1.1002311588	0.1229626391	0.4723855003	0.7994789588
##	8382	8383	8384	8385	8386
##	0.1521024117	-1.1490892219	0.1122382634	0.6868730141	0.4703110773
##	8387	8388	8389	8390	8391
##	-1.6961302322	0.9971753881	0.2401675406	-0.3400055282	0.3620692489
##	8392	8393	8394	8395	8396
##	0.1568187886	0.4214838558	0.8192838278	0.8600090574	0.7003763339
##	8397	8398	8399	8400	8401
##	-1.2714801809	-0.1977186324	-1.2256343862	0.8574190313	-0.2404204348
##	8402	8403	8404	8405	8406
##	-0.7821579674	-0.3037294775	0.1020354962	0.4125140004	0.1896505143
##	8407	8408	8409	8410	8411
##	-1.1159248057	-1.3628789970	-0.3461207454	0.4430015191	0.9735254252
##	8412	8413	8414	8415	8416
##	-0.2647094263	-0.8341776894	0.2428784063	0.1027570013	0.4495574787
##	8417	8418	8419	8420	8421
##	0.0186841583	0.2771063864	0.2352521312	0.6817619044	1.5751668154
##	8422	8423	8424	8659	8660
##	3.8894596912	2.0195825956	1.3954808486	-0.0622311487	-0.5612668788
##	8661	8662	8663	8664	8665
##	0.2720946513	-0.2220681416	-1.2737614802	-1.0145173109	0.0863750796
##	8666	8667	8668	8669	8670
##	-0.3536374441	-0.7440986553	-0.3068063656	-0.4813318809	-0.7240393760
##	8671	8672	8673	8674	8675
##	-0.3030684901	-1.7051044813	0.6067225709	-1.2412165226	-0.1659608695
##	8676	8677	8678	8679	8680
##	-0.1334941920	-0.0240585919	-1.1482197466	-1.1505094399	-1.5968039428
##	8681	8682	8683	8684	8685
##	-0.8979190804	-0.8524970439	-1.1080620478	-1.3079503202	-1.7134804535
##	8686	8687	8688	8689	8690
##	-0.9233405476	-1.5242774167	-0.9304836080	-1.1836414984	-1.2901415942
##	8691	8692	8693	8694	8695
##	0.6178579172	-1.3304754232	-0.7160939444	-0.2298570130	-0.4301562560
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##	-0.7079332424	-0.6688323252	-1.9203552262	-1.9471857354	-1.6399754260
##	8701	8702	8703	8704	8705
##	-0.2134573290	-1.7781006881	-0.1143547040	0.0628714753	-1.1127001446
##	8706	8707	8708	8709	8710
##	-1.1208021364	-1.9933710030	-2.4135199477	-1.1836023583	-2.1962926299
##	8711	8712	8713	8714	8715
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##	8716	8717	8718	8719	8720
##	-1.2345822829	-0.1288169552	-1.8803345176	-2.1910870023	-0.7886771916
##	8721	8722	8723	8724	8725
##	-1.1333249658	-0.9131034336	-1.7183709717	-0.9119292319	-1.2006262943
##	8726	8727	8728	8729	8730
##	-0.8322596454	-1.9973221598	0.0496441248	0.1435411222	-0.3704656798
##	8731	8732	8733	8734	8735
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##	8736	8737	8738	8739	8740

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##	8741	8742	8743	8744	8745
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##	8746	8747	8748	8749	8750
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##	-0.2908156632	-1.0743604696	-0.4717210079	-0.7710837359	-0.4219348551
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##	8761	8762	8763	8764	8765
##	0.2641120686	-0.0629168526	-0.3202235890	-0.2584801487	0.5683535610
##	8766	8767	8768	8769	8770
##	-0.2352896647	0.5560831530	-1.0330031718	0.5578053155	1.0710293164
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##	8776	8777	8778	8779	8780
##	0.8080864117	-0.7809607731	0.3031601030	0.0644253237	-0.7329163528
##	8781	8782	8783	8784	8785
##	0.2493425243	0.3842593044	0.4736747653	-0.2308854055	0.1559357804
##	8786	8787	8788	8789	8790
##	0.1583820340	-0.2921787352	-1.4527597131	0.5523267103	0.3152945236
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##	-0.2082428824	-0.1535055123	0.2265444437	0.0274194024	-0.3274243567
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##	0.5016990463	-0.1053632419	-0.0627005794	-0.2024212624	0.9289220927
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##	8811	8812	8813	8814	8815
##	0.1902122220	0.9529540879	0.6113396681	0.7438874720	1.0797287333
##	8816	8817	8818	8819	8820
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##	8841	8842	8843	8844	8845
##	0.3143449136	1.0568905099	-0.3357322975	0.8316199103	0.7696807697
##	8846	8847	8848	8849	8850
##	1.2622975304	0.4171462740	0.1825603408	0.8942831420	0.2557718179
##	8851	8852	8853	8854	8855
##	-0.2935784558	0.6757837724	0.1131063092	0.9462807081	0.3198245216
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##	1.2817109988	1.4327133397	0.8813473531	0.7338676173	1.3413017360
##	8861	8862	8863	8864	8865
##	1.0739751449	0.2755375468	0.7877047661	0.4247785851	0.8727169705
##	8866	8867	8868	8869	8870
##	0.8281560153	0.3239342276	0.1236349846	1.0036208920	0.9191957885
##	8871	8872	8873	8874	8875

##	1.7065567504	0.4754649593	1.0272810566	1.5292131509	-0.3141856960
##	8876	8877	8878	8879	8880
##	0.3460092199	-0.6852138688	0.7660603144	0.2842601534	0.6905926579
##	8881	8882	8883	8884	8885
##	0.0903407397	0.2929688162	0.5688083697	-0.0219912246	0.7260144097
##	8886	8887	8888	8889	8890
##	0.4915850368	0.4048115298	0.3271380862	0.7766616438	1.0744587695
##	8891	8892	8893	8894	8895
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##	0.2416309347	-0.3664881349	-1.5909456863	-0.6831507682	-0.5632647728
##	8956	8957	8958	8959	8960
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##	8966	8967	8968	8969	8970
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##	8971	8972	8973	8974	8975
##	0.5272379215	-0.5346709720	0.0194543886	0.6157140210	-0.1673611047
##	8976	8977	8978	8979	8980
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##	8981	8982	8983	8984	8985
##	0.0968342818	-0.0026793137	0.3521644454	-1.7731088716	-0.5861474951
##	8986	8987	8988	8989	8990
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##	9066	9067	9068	9069	9070
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##	9071	9072	9073	9074	9075
##	0.0652423900	-0.0552111362	-0.6031915079	-0.9930656183	-0.7520215756
##	9076	9077	9078	9079	9080
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##	9164	9165	9166	9167	9168
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##	9184	9185	9186	9187	9188
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##	9199	9200	9201	9202	9203
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##	-0.4715006445	-0.1948000096	-0.4365094333	-0.6691187936	-0.3543935931
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##	-0.3612431032	-0.2622774684	-0.2529621347	0.4663734076	-1.5809647076
##	9219	9220	9221	9222	9223
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##	9229	9230	9231	9232	9233
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##	10091	10092	10093	10094	10095
##	-0.2919643078	0.0689070201	-0.3025908334	0.4402874534	0.0547383194
##	10096	10097	10098	10099	10100
##	0.5891958013	0.7693379148	0.0288863116	0.7117628906	0.3635338011
##	10101	10102	10103	10104	10105
##	0.8272651996	-0.3566432525	0.5594297877	-1.1607365888	-0.4770184986
##	10106	10107	10108	10109	10110
##	0.4613643743	0.3091878316	0.0072809999	0.2519063578	1.2337151242
##	10111	10112	10113	10114	10115
##	-0.1921571618	0.3030819827	0.1402202044	-0.1274390771	0.1700644981
##	10116	10117	10118	10119	10120
##	-0.7895909959	-0.3717513146	0.1062154547	-0.9073946082	-0.1274311171
##	10121	10122	10123	10124	10125
##	-0.9986692217	-1.1406693494	0.5944289590	-0.7802285621	-0.4820791759
##	10126	10127	10128	10129	10130
##	-0.7833989068	0.3906543306	-0.5475915520	0.1681822451	0.7874562311
##	10131	10132	10133	10134	10135
##	0.3662700749	0.4114768411	0.3714561325	0.6010517084	0.0262408275
##	10136	10137	10138	10139	10140
##	0.8834472216	0.9461495933	0.2843890751	-0.1521791236	0.5684480407
##	10141	10142	10143	10144	10145
##	-1.0705711856	-1.3306960062	-1.0361866453	-2.8496042083	-1.9383649652
##	10146	10147	10148	10149	10150
##	-1.1867584456	-1.4597994850	-2.1525393585	-0.6607943561	-0.9072984367
##	10151	10152	10153	10154	10155
##	-2.0251776122	-2.2042433741	0.2838117858	-0.8838535424	-0.5141169915
##	10156	10157	10158	10159	10160
##	0.4439924702	-0.4756423152	-0.4084584069	-0.8409168996	-0.8873565776
##	10161	10162	10163	10164	10165
##	-0.4647418093	-0.3180644447	-3.0655986143	-1.5079221854	-1.7056773247
##	10166	10167	10168	10169	10170
##	-1.1962499095	-0.9623684973	-0.3401590070	-0.6010861987	-2.3242467897
##	10171	10172	10173	10174	10175
##	-0.8734227172	-1.0820979325	-0.6005969480	-0.5649403559	-0.6537882858
##	10176	10177	10178	10179	10180
##	-0.6174663127	-0.8976308426	-1.7258540243	-1.5146934153	-1.7540935756
##	10181	10182	10183	10184	10185
##	-1.8064825422	-0.8029314740	-1.2518679308	-2.2784333527	-0.9301366601
##	10186	10187	10188	10189	10190
##	-1.8803594003	-1.5408389736	-0.6655303030	-2.0800519724	-1.7396900345
##	10191	10192	10193	10194	10195
##	-2.8324021531	-2.4658555169	-1.5324630013	0.3254959468	-2.0156274382
##	10196	10197	10198	10199	10200
##	-2.0389157723	-1.2368772889	-2.2061612369	-0.8861782772	-1.6104454668
##	10201	10202	10203	10204	10205
##	-0.2936956604	-2.0785409816	-0.8439265854	-0.3859487754	-0.9911519108
##	10206	10207	10208	10209	10210

##	-1.3461913702	0.1469039642	-0.7029049591	-2.0886782564	-0.6187929760
##	10211	10212	10213	10214	10215
##	-1.0580031286	-0.9939504248	-1.0889237738	-0.5636837754	-1.9124697186
##	10216	10217	10218	10219	10220
##	-1.4474466983	0.0311668149	-1.4256065464	-0.5704745753	-2.2529686468
##	10221	10222	10223	10224	10225
##	-0.7524171315	-1.8848759783	-0.0738655288	-0.9497417302	-1.7934056644
##	10226	10227	10228	10229	10230
##	-1.5045911819	-0.8371749255	-1.3076971239	-0.5522744487	-1.5348855862
##	10231	10232	10233	10234	10235
##	-0.0623192119	-1.6039873573	-0.1041599331	-1.1059888388	-0.5769522548
##	10236	10237	10238	10239	10240
##	-1.2407284859	-1.8249525506	-0.5458163392	0.1045544222	-0.9920521321
##	10241	10242	10243	10244	10245
##	-0.9601921255	-1.1678496993	-0.6694278001	-0.7823860053	-0.5246682983
##	10246	10247	10248	10249	10250
##	-1.0324909712	-1.0187332411	-0.8277493317	-0.4465838840	-0.8980840146
##	10251	10252	10253	10254	10255
##	-0.4778372198	-1.4253397260	0.1445092607	-0.3557985212	0.8370534339
##	10256	10257	10258	10259	10260
##	-0.0189787585	-0.9016653298	-1.1252724770	-0.6470396873	-0.6743398773
##	10261	10262	10263	10264	10265
##	-0.2641520772	-1.0096527478	-0.3727657361	-1.2681532560	-0.5471151211
##	10266	10267	10268	10269	10270
##	-0.9024872710	-0.7868284018	-0.6238296334	-0.7990988098	-1.2740438346
##	10271	10272	10273	10274	10275
##	-1.3409537625	-0.9709628012	-0.7776891984	-1.0871892012	-0.4877396543
##	10276	10277	10278	10279	10280
##	0.0310618047	-0.7080590366	-0.3164627637	-1.1208692205	-0.6820700386
##	10281	10282	10283	10284	10285
##	-0.7782371593	-1.5155184179	-1.3671776009	-0.1993948524	-0.8799817381
##	10286	10287	10288	10289	10290
##	-1.1215737415	-0.8482000116	-0.6048467056	-0.8812929300	0.2140415724
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##	10296	10297	10298	10299	10300
##	0.0621585802	-1.0730009305	-0.9544261270	0.9042177722	-1.8599704918
##	10301	10302	10303	10304	10305
##	0.4472380336	-0.4225127488	-1.2591119028	-0.7867109816	-0.3984416136
##	10306	10307	10308	10309	10310
##	-0.5144918834	-1.8520446302	-0.6044357350	-0.5502267557	-0.5079328489
##	10311	10312	10313	10314	10315
##	-1.4304052885	-0.1604669906	-0.0177232017	-1.6621927076	-0.8964566273
##	10316	10317	10318	10319	10320
##	-1.1578339297	-0.4930400571	-0.7811108785	-0.0543974354	-0.0070966762
##	10321	10322	10323	10324	10325
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##	10326	10327	10328	10329	10330
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##	10366	10367	10368	10369	10370
##	0.9647700398	1.3840383332	0.7367596362	1.0324236288	-0.1741163383
##	10371	10372	10373	10374	10375
##	0.3327168251	0.4006554026	1.2239726227	-0.4348074665	0.2441746768
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##	0.0151503011	0.6897108411	0.3194336682	-1.1130373869	-0.4597409061
##	10391	10392	10393	10394	10395
##	1.5771025681	-0.1356467676	0.8840104342	1.0515103092	-1.2613148144
##	10396	10397	10398	10399	10400
##	0.7279003158	1.2354098682	1.1648599150	0.5426895648	1.0397291520
##	10401	10402	10403	10404	10405
##	1.1651338954	-0.4196274530	0.7933620615	0.2014861156	0.6314983547
##	10406	10407	10408	10409	10410
##	0.8770435040	0.8540878604	1.2601855245	0.3965797310	0.0375871258
##	10411	10412	10477	10478	10479
##	0.0464914889	1.2167009209	0.3419395244	0.7864549338	0.0590369696
##	10480	10481	10482	10483	10484
##	-0.0932623305	1.2043106270	0.4495657864	-0.2981872166	0.6816307441
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##	10500	10501	10502	10503	10504
##	0.1942569720	0.5334411500	1.1537932667	-0.0548872834	0.6960947744
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##	10520	10521	10522	10523	10524
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##	10525	10526	10527	10528	10529
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##	10535	10536	10537	10538	10539
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##	10550	10551	10552	10553	10554
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##	10560	10561	10562	10563	10564
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##	10580	10581	10582	10583	10584
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##	0.0682170921	1.0127556285	0.5892157316	-0.4532352162	0.4319527607
##	10610	10611	10612	10613	10614
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##	-0.2425201633	0.6076552532	-0.0447205466	-0.0128569818	0.8834859113
##	10620	10621	10622	10623	10624
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##	10625	10626	10627	10628	10629
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##	10660	10661	10662	10663	10664
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##	10799	10800	10801	10802	10803
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##	10804	10805	10806	10807	10808
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##	10814	10815	10816	10817	10818
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##	0.1933613589	1.0494522614	0.5668553554	2.0225067016	1.9406713652
##	10834	10835	10836	10837	10838
##	2.4863489969	0.1097321033	2.1539194439	1.8511384842	2.3712772285
##	10839	10840	10841	10842	10843
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##	10844	10845	10846	10847	10848
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##	10849	10850	10851	10852	10853
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##	10859	10860	10861	10862	10863
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##	10864	10865	10866	10867	10868
##	1.0651266492	2.6769753635	2.5569132379	0.5931505607	1.8782491075
##	10869	10870	10871	10872	10873
##	1.8101127911	1.3842037347	1.9026137931	2.3222604404	0.3013575800
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##	0.3893778608	1.0566179870	3.6449622050	1.0048430300	-0.0226935545
##	10894	10895	10896	10897	10898
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##	10899	10900	10901	10902	10903
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##	0.8969265534	3.1719056879	2.8754197541	2.5357452134	0.4170816826
##	10909	10910	10911	10912	10913

##	2.1093265208	2.8453308351	2.2737881489	0.8996418948	0.7755067570
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##	10919	10920	10921	10922	10923
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##	10924	10925	10926	10927	10928
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##	0.9964191454	-0.5289015027	0.7737122196	1.5609166213	-0.0183846892
##	10934	10935	10936	10937	10938
##	1.5570907279	1.8273854401	1.3512140268	1.2444595206	1.3066595949
##	10939	10940	10941	10942	10943
##	3.3566527107	2.4515062698	0.8724332763	1.7989110484	1.9763785914
##	10944	10945	10946	10947	10948
##	3.2453440958	2.6009275155	2.5299983930	0.1463689057	2.8607563394
##	10949	10950	10951	10952	10953
##	3.2321343264	2.8723882751	3.1995135350	3.5977880801	2.3306042638
##	10954	10955	10956	10957	10958
##	2.3811683252	2.1441792422	1.3688473245	3.4388344862	1.6767491083
##	10959	10960	10961	10962	10963
##	2.0891222283	2.4874375443	1.2315961904	1.5772028960	1.3082780859
##	10964	10965	10966	10967	10968
##	2.5001580630	3.0929546156	2.7390061853	2.6465011062	3.1946331456
##	10969	10970	10971	10972	10973
##	2.7654991116	2.8147055023	2.5729300298	2.7641781346	2.6700585282
##	10974	10975	10976	10977	10978
##	2.9677553575	2.4289068504	3.3432430505	2.1767837253	-0.3051823178
##	10979	10980	10981	10982	10983
##	0.7548608997	0.4999612768	1.4774189734	1.1666574129	1.2957217518
##	10984	10985	10986	10987	10988
##	0.7200041262	1.9941760736	2.5100420283	2.2540986705	1.7855269517
##	10989	10990	10991	10992	10993
##	2.0268580214	0.5122682723	1.7582919952	2.3636908309	2.7435124699
##	10994	10995	10996	10997	10998
##	1.9415326966	1.6510808550	1.8174260983	2.4060925596	1.3115734750
##	10999	11000	11001	11002	11003
##	1.4323205516	1.3065178842	1.7859509690	1.7680770095	2.9916930496
##	11004	11005	11006	11007	11008
##	1.8014765250	1.2515587205	1.7897997413	0.8506993007	0.5508864621
##	11009	11010	11011	11012	11013
##	1.8311903518	1.1907611649	1.8663185532	1.8209160868	1.8299509167
##	11014	11015	11016	11017	11018
##	-1.0377432287	1.1213854134	2.1112374615	1.8114572396	1.3998995375
##	11019	11020	11021	11022	11023
##	-1.3878184242	1.6056457718	1.0738954772	1.6415893911	0.7153073193
##	11024	11025	11026	11027	11028
##	0.7511857051	1.4545977675	0.5866669978	0.0781398038	-1.2037541508
##	11029	11030	11031	11032	11033
##	2.8672398988	2.8575527346	3.4581936071	4.0568163204	2.9306100978
##	11034	11035	11036	11037	11038
##	3.0927967100	3.2919706764	2.5894678049	4.1556327337	3.2947594055
##	11039	11040	11041	11042	11043
##	4.1605497034	2.2741579499	2.2685071041	0.8684550246	3.4260131413
##	11044	11045	11046	11047	11048

##	3.3575058098	2.4440502609	4.0720809427	3.0314446703	1.7564083799
##	11049	11050	11051	11052	11053
##	2.5553792613	2.8412606858	-0.0321373075	2.3444143527	1.9055564606
##	11054	11055	11056	11057	11058
##	0.7700381660	0.6045735740	1.5953062734	-0.3086944288	-0.8303335420
##	11059	11060	11061	11062	11063
##	-0.9120384115	-0.8531000086	0.0771286856	0.4460563421	2.0670948157
##	11064	11065	11066	11067	11068
##	3.0133913189	1.7019180814	2.2477751050	2.7400958690	0.0458900274
##	11069	11070	11071	11072	11073
##	4.5487334525	1.4048083530	3.0058323953	2.9044474157	0.4349014257
##	11074	11075	11076	11077	11078
##	-1.1833768585	2.3855440295	1.2193660234	1.0320797852	1.8273078986
##	11079	11080	11081	11082	11083
##	1.1006727355	2.1956484541	1.6259649207	1.2127763829	0.5309239686
##	11084	11085	11086	11087	11088
##	2.2624801019	-0.2186407446	0.7171980245	1.7488973172	1.6543414622
##	11089	11090	11091	11092	11093
##	1.7056149372	1.0845600786	0.0275502156	0.3761902756	1.5514357283
##	11094	11095	11096	11097	11098
##	1.1898794494	1.3272610503	1.8440402731	2.2406921367	0.5679113228
##	11099	11100	11101	11102	11103
##	1.8386258985	0.6705235062	-0.2169446755	-0.3918681147	0.6569549530
##	11104	11105	11106	11107	11108
##	0.2848308586	0.5018706303	2.0157468888	2.5965364135	1.1086467387
##	11109	11110	11111	11112	11113
##	2.3299266066	0.3643129310	3.2181001248	1.5332307411	1.6709425863
##	11114	11115	11116	11117	11118
##	2.8937269002	0.9886213068	2.4288531014	3.4284290075	1.5349920437
##	11119	11120	11121	11122	11123
##	1.4060133237	1.7141678870	0.6424519629	1.7510818535	2.1821606592
##	11124	11125	11126	11127	11128
##	1.2715305332	1.9288633324	2.8629774927	0.8407819718	0.1102083405
##	11129	11130	11131	11132	11133
##	2.6683168642	1.0712924465	2.8915252720	0.3979611490	2.4456955573
##	11134	11135	11136	11137	11138
##	0.8342137809	1.1439828716	1.2446339751	1.1284613927	0.0993102808
##	11139	11140	11141	11142	11143
##	2.8355672214	0.9415064629	1.1306997147	1.9637224459	1.0370571277
##	11144	11145	11146	11147	11148
##	0.5814301674	2.4950854170	0.6322510855	1.4464865892	0.9766224330
##	11149	11150	11151	11152	11153
##	2.4413289946	2.5184226762	3.0438779449	0.4535522615	4.2570117884
##	11154	11155	11156	11157	11158
##	1.9870963988	2.1689141961	1.8304505509	1.8245428485	1.4262316095
##	11159	11160	11161	11162	11163
##	2.1895361138	2.3858846573	2.5253944989	2.8994878274	3.3242919926
##	11164	11165	11166	11167	11168
##	1.8667040290	0.5119687970	1.7812808540	0.5635969788	0.3216747311
##	11169	11170	11171	11172	11173
##	2.3974798992	1.3830796964	3.0875435713	0.6747058163	2.2890130155
##	11174	11175	11176	11177	11178
##	2.4754175382	1.4598431337	2.4441177237	0.8095922387	1.7932797278
##	11179	11180	11181	11182	11183

##	2.5004427124	2.3737757020	2.6450529927	1.2913818810	1.3708973536
##	11184	11185	11186	11187	11188
##	1.3658703025	2.0622086150	2.0674558289	0.4503166848	1.3329575928
##	11189	11190	11191	11192	11193
##	1.7467658482	0.0716692475	3.3125638389	0.3482916022	1.1135775718
##	11194	11195	11196	11197	11198
##	1.0291328983	-0.4895339402	1.7123674458	2.5289146591	2.5077790282
##	11199	11200	11201	11202	11203
##	2.4002661834	2.6465916875	1.6319346281	2.1632609054	1.4749585359
##	11204	11205	11206	11207	11208
##	1.0221569985	2.6159890553	1.0016084684	2.3602699374	1.2878568310
##	11209	11210	11211	11212	11213
##	1.6897640627	2.1416115612	1.1699596397	3.0882750024	1.9573352791
##	11214	11215	11216	11217	11218
##	0.3803089845	1.4643907205	1.6553452748	2.4808090825	1.4117351122
##	11219	11220	11221	11222	11223
##	0.6159198979	0.1206636296	2.7346201226	0.7474671841	1.7637020771
##	11224	11225	11226	11227	11228
##	1.9525650847	1.3447689205	0.6405781340	1.9541429182	1.0256429098
##	11229	11230	11231	11232	11233
##	2.1491337910	2.1793327914	2.2341533341	0.4572558908	2.3906157130
##	11234	11235	11236	11237	11238
##	1.8178621314	1.1061124213	0.7458526568	2.8956692269	1.1727850626
##	11239	11240	11241	11242	11243
##	2.0190175631	2.1588943428	1.3370999155	2.5155581146	0.9967648863
##	11244	11245	11246	11247	11248
##	1.6560424571	2.1840538373	0.8143197983	0.9552845342	2.6777909932
##	11249	11250	11251	11252	11253
##	2.3658569681	3.7138038464	3.6209318293	3.1769368047	3.5602035842
##	11254	11255	11256	11257	11258
##	2.7542241863	1.8263112788	1.8388238658	0.5866478152	2.7326849235
##	11259	11260	11261	11262	11263
##	2.1488498132	2.0587298313	1.8838838568	2.2006247701	1.3931409263
##	11264	11265	11266	11267	11268
##	2.4434643629	1.5444294789	2.1881488769	2.8233920062	2.6208055161
##	11269	11270	11271	11272	11273
##	3.1655617256	1.1123232467	0.3418634508	2.2472259008	2.4832037523
##	11274	11275	11276	11277	11278
##	2.8354642677	1.3917465618	2.3701134494	3.2238681796	2.8518663979
##	11279	11280	11281	11282	11283
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##	1.6712432644	2.9059530645	0.7737495201	2.3665541504	1.8903786600
##	11294	11295	11296	11297	11298
##	2.5116781440	2.8985409162	1.6475023734	2.6964314455	2.3861486416
##	11299	11300	11301	11302	11303
##	1.6312470184	1.7091479636	0.9926647529	-0.3922001690	1.2710891811
##	11304	11305	11306	11307	11308
##	1.0202992642	0.3930146131	1.2245777464	1.9350024024	1.3552729209
##	11309	11310	11311	11312	11313
##	1.9371877222	0.0730120283	0.7324567597	3.4187489710	2.2056151274
##	11314	11315	11316	11317	11318

##	1.9453459779	1.9770494243	2.1241548833	2.7571963844	2.1304662175
##	11319	11320	11321	11322	11323
##	2.4596463303	0.8966737625	0.4817320763	0.7798814625	-0.7230641197
##	11324	11325	11326	11327	11328
##	1.4964380608	1.1224221969	1.4004796870	0.5676445020	1.2905422548
##	11329	11330	11331	11332	11333
##	1.4263093284	1.2986515854	1.4012107667	1.7219879984	2.8695867086
##	11334	11335	11336	11337	11338
##	1.5138240502	1.3883312416	1.8955496899	1.7245932585	1.1461521373
##	11339	11340	11341	11342	11343
##	0.9903135530	2.4160512951	2.0133001059	1.3388313004	1.7270884372
##	11344	11345	11346	11347	11348
##	1.2630219020	1.2432806356	1.4522885414	1.3796348101	0.5537306768
##	11349	11350	11351	11352	11353
##	1.3931748237	1.7451050948	1.3860929195	0.6507857875	1.0197419836
##	11354	11355	11356	11357	11358
##	1.2783966057	1.5585537968	0.6286227301	0.6794803420	1.6718642626
##	11359	11360	11361	11362	11363
##	1.7868259496	-0.7742547723	1.7616173064	1.7698000246	0.9641508710
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##	1.2020734941	0.0072865524	1.9887886450	2.4206380206	1.4292815265
##	11369	11370	11371	11372	11373
##	1.6405277543	0.5763400959	1.8273346282	0.4483651775	0.8769488045
##	11374	11375	11376	11377	11378
##	1.0371947222	0.5056727446	1.4562542686	1.1392850383	0.8818413116
##	11379	11380	11381	11382	11383
##	1.6158152354	1.1647586922	1.8000344383	0.6309535446	1.7474562947
##	11384	11385	11386	11387	11388
##	1.3376925119	0.5924658216	1.4813039053	2.3978539649	3.0135026031
##	11389	11390	11391	11392	11393
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##	11394	11395	11396	11397	11398
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##	11399	11400	11401	11402	11403
##	1.1154096033	-0.1091523215	0.1843002578	0.3268352997	1.6880612578
##	11404	11405	11406	11407	11408
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##	11409	11410	11411	11412	11413
##	0.7149742008	0.6365310027	0.9996732694	1.6138174617	2.8552422278
##	11414	11415	11416	11417	11418
##	0.9156444590	2.4863227256	2.2603255887	2.3582246570	0.9185432695
##	11419	11420	11421	11422	11423
##	2.0304022149	3.5439115354	1.6538504015	2.0994599534	2.5372537251
##	11424	11425	11426	11427	11428
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##	11429	11430	11431	11432	11433
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##	11434	11435	11436	11437	11438
##	2.3285026760	0.8590626137	2.0186968915	1.6348430112	2.3034408081
##	11439	11440	11441	11442	11443
##	2.7354736526	1.3795642189	2.0446027169	0.4445694073	0.1973632519
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##	3.4724320058	2.2009917082	1.1441367745	2.5747547925	3.3405177815
##	11449	11450	11451	11452	11453

##	-0.9668577513	2.3469963530	1.1252761594	2.7191449100	0.6864182674
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##	1.3405220118	1.0663826045	1.1925359016	2.9590489985	2.0144771041
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##	1.7104322468	2.3054589673	-0.2132432078	1.6892571256	0.9501338380
##	11469	11470	11471	11472	11473
##	1.6571500473	1.4925416440	0.5628674339	0.7293105274	1.7392707800
##	11474	11475	11476	11477	11478
##	2.0934037982	2.0402711704	3.0346377133	3.7821638819	1.8785994282
##	11479	11480	11481	11482	11483
##	-0.1133603985	3.7113081470	3.9296729727	3.2648179438	3.5246834614
##	11484	11485	11486	11487	11488
##	1.1393660593	3.3793393051	2.3747730416	3.2647078624	1.9350344983
##	11489	11490	11491	11492	11493
##	1.3841504236	0.2440005556	3.2891459356	1.8348889539	2.8272198723
##	11494	11495	11496	11497	11498
##	1.3528465320	1.6197164891	1.6306757051	-0.6249331781	-1.5977593014
##	11499	11500	11501	11502	11503
##	-0.0591636504	1.6358915830	1.0477796059	1.8162946302	1.8484873273
##	11504	11505	11506	11507	11508
##	0.2975625583	0.1999733489	1.8019432759	1.0776075912	2.6633670111
##	11509	11510	11511	11512	11513
##	2.2348934655	2.3074738092	0.8925240454	1.3752310329	1.1166131045
##	11514	11515	11516	11517	11518
##	1.5579661752	2.1328846913	0.8908728243	2.4339940443	1.2819553839
##	11519	11520	11521	11522	11523
##	1.8968334522	1.8469298792	2.2406543927	2.6806130989	3.9519800089
##	11524	11525	11526	11527	11528
##	2.1883657225	2.1555614620	1.5064113810	1.5495632942	2.5570650619
##	11529	11530	11531	11532	11533
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##	11534	11535	11536	11537	11538
##	1.7335460258	2.0850726651	2.0490393499	1.9740005214	0.5029092379
##	11539	11540	11541	11542	11543
##	3.2389460157	2.4641930448	2.2305635967	0.0865079537	2.7504047135
##	11544	11545	11546	11547	11548
##	2.5618352564	3.5844548712	2.5409197883	2.5478549171	2.5657614933
##	11549	11550	11551	11552	11553
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##	11554	11555	11556	11557	11558
##	2.5709720135	2.1024655280	2.1031994041	1.2823590157	0.8826167184
##	11559	11560	11561	11562	11563
##	2.4652204713	1.7118966817	2.1547541983	2.2523597161	1.2044947643
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##	11569	11570	11571	11572	11573
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##	11574	11575	11576	11577	11578
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##	11579	11580	11581	11582	11583
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##	11584	11585	11586	11587	11588

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##	2.9297701456	2.0038020097	1.1609820329	1.3513494864	2.2378717834
##	11594	11595	11596	11597	11598
##	2.7463011272	2.8115794040	2.2310467359	2.5538054331	1.5046928920
##	11599	11600	11601	11602	11603
##	1.8351572880	2.4027737371	1.9915462793	0.9283433176	2.4972969754
##	11604	11605	11606	11607	11608
##	1.0778338738	2.3431463062	2.2110853067	0.3945952492	3.0415761655
##	11609	11610	11611	11612	11613
##	1.7663564061	2.1296984501	2.3969027286	2.1286343298	2.3007649629
##	11614	11615	11616	11617	11618
##	1.9410922992	0.9396646449	0.8641243344	1.4877559134	0.3042910487
##	11619	11620	11621	11622	11623
##	1.3484499263	0.5507755593	1.3175292811	1.3171052638	1.5751687080
##	11624	11625	11626	11627	11628
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##	11634	11635	11636	11637	11638
##	2.0719701931	1.5529730338	2.3126448515	0.8211885070	0.7268487377
##	11639	11640	11641	11642	11643
##	0.5862013882	1.5429189316	1.6059955802	1.5646049696	2.4322299577
##	11644	11645	11646	11647	11648
##	1.6754936443	0.9869711120	2.3485313915	0.1445180733	0.5746795339
##	11649	11650	11651	11652	11653
##	1.9778138929	2.4161397221	-0.2167507736	0.4399215371	0.6679823341
##	11654	11655	11656	11657	11658
##	1.9547825470	1.7854039492	1.6994303672	3.2950237265	1.8124105887
##	11659	11660	11661	11662	11663
##	1.4132186985	2.2466083677	2.0227394714	3.2270301083	2.4343338673
##	11664	11665	11666	11667	11668
##	3.4246262411	3.7306525638	2.7643946315	3.0695036091	3.1478815738
##	11669	11670	11671	11672	11673
##	2.1072819951	3.1331673585	3.3921522249	2.6344251788	0.4443188122
##	11674	11675	11676	11677	11678
##	2.0004663326	2.2342058621	0.5992779027	1.1582713080	1.3192103309
##	11679	11680	11681	11682	11683
##	2.4101171144	1.2949924205	2.2387570512	2.2413990051	1.9914408144
##	11684	11685	11686	11687	11688
##	1.5780851159	1.8932481957	2.1147686886	2.0112187746	2.3941186160
##	11689	11690	11691	11692	11693
##	2.1701029445	1.6366117328	2.2336199187	2.2580212981	1.7815889511
##	11694	11695	11696	11697	11698
##	2.2023934918	2.1913486569	2.3849084713	1.9207318547	2.3512235595
##	11699	11700	11701	11702	11703
##	1.3334475268	1.9557010496	2.9912368833	2.7516263453	2.1902845366
##	11704	11705	11706	11707	11708
##	1.8398954052	1.2697470836	1.1968731895	2.6470856986	2.7770551512
##	11709	11710	11711	11712	11713
##	2.3726894347	2.1728182860	1.5941570019	3.1036300040	2.6045942739
##	11714	11715	11716	11717	11718
##	2.1018891635	1.9971650478	1.8550132523	1.3847454643	1.5684713393
##	11719	11720	11721	11722	11723



##	0.9412641530	2.7138684213	2.5204186883	1.8260618412	0.9447867582
##	11724	11725	11726	11727	11728
##	2.1696259251	2.4267027137	1.0807739946	2.7537178921	2.9467272995
##	11729	11730	11731	11732	11733
##	2.7209870192	2.5208957077	1.6065595076	2.3168781593	1.8176222664
##	11734	11735	11736	11737	11738
##	2.3314822931	1.9548937859	2.7815155310	2.9126591854	3.6236383255
##	11739	11740	11741	11742	11743
##	3.3299044270	3.1871655307	3.1812211345	3.6844766520	3.7304906818
##	11744	11745	11746	11747	11748
##	3.3270790042	3.2955957206	3.9756052904	4.2411583477	3.2203000354
##	11749	11750	11751	11752	11753
##	3.6669737077	2.3436850655	3.4749917268	3.7334628799	2.0637847310
##	11754	11755	11756	11757	11758
##	3.7177579320	4.0962545169	2.8132556712	2.7072839662	2.5102015466
##	11759	11760	11761	11762	11763
##	4.7381392248	3.1408946443	3.0441697778	2.6082840838	2.4460240839
##	11764	11765	11766	11767	11768
##	0.9507882777	3.5385087010	3.1041274530	2.3441987787	3.5886691306
##	11769	11770	11771	11772	11773
##	2.8804787195	2.7690763316	3.7456452228	3.2604063629	3.2105027899
##	11774	11775	11776	11777	11778
##	1.9382552286	2.7065867839	2.5285117546	4.2608996141	2.4226868248
##	11779	11780	11781	11782	11783
##	2.3455564495	3.0727542508	2.1981557265	2.4117503578	2.7446732386
##	11784	11785	11786	11787	11788
##	1.3965795851	1.6706822986	1.9536649126	1.9557931532	1.8211268937
##	11789	11790	11791	11792	11793
##	2.0626455095	2.9556626097	2.3624338856	1.8841668484	3.4828791811
##	11794	11795	11796	11797	11798
##	1.8689389199	3.3789623290	3.1719725825	5.1586851952	2.4190157309
##	11799	11800	11801	11802	11803
##	2.1576457673	2.2586271150	2.0404457583	2.3888901181	3.1272061420
##	11804	11805	11806	11807	11808
##	2.5716986480	1.4187426425	2.1141269161	3.8311400718	2.8461682996
##	11809	11810	11811	11812	12004
##	2.5371330849	1.8668106793	3.4675044773	2.4240060882	3.7180263096
##	12005	12006	12007	12008	12009
##	3.0653169297	2.2999942663	2.8203124025	2.3554752975	2.8072127146
##	12010	12011	12012	12013	12014
##	1.8978301779	2.5557133842	1.9717314986	2.2750791736	3.4718108869
##	12015	12016	12017	12018	12019
##	2.6546765727	1.8136912861	2.3587043522	2.7043232891	2.3345231356
##	12020	12021	12022	12023	12024
##	2.8326048268	2.2792622672	2.1364499833	1.6096370438	2.1780607567
##	12025	12026	12027	12028	12029
##	2.8056348810	0.7362878224	2.4131212631	1.9139387578	2.9152025788
##	12030	12031	12032	12033	12034
##	1.8912986809	2.2935728507	2.3766109284	1.6083894545	1.1432221052
##	12035	12036	12037	12038	12039
##	1.5438083600	0.5359396543	2.8887463464	2.4201297796	1.8484403182
##	12040	12041	12042	12043	12044
##	3.7673060880	2.0639063334	3.8845060969	2.4259274005	1.9530543525
##	12045	12046	12047	12048	12049

##	2.4814084317	1.9245799608	2.0735201100	-0.6908809781	2.2566221903
##	12050	12051	12052	12053	12054
##	0.5772201834	1.0802188443	0.8745133808	3.7773601902	1.8757038143
##	12055	12056	12057	12058	12059
##	2.2388256956	2.2159648337	1.7233505192	2.1488151729	2.2747116134
##	12060	12061	12062	12063	12064
##	1.2734477923	1.8682176562	0.5892918226	3.0550787363	2.6836273616
##	12065	12066	12067	12068	12069
##	2.0795372716	2.2091764800	2.5394207131	1.2051606236	3.4033763208
##	12070	12071	12072	12073	12074
##	2.2995900123	2.7827006316	2.6279628614	2.6653905412	1.9826289361
##	12075	12076	12077	12078	12079
##	1.3538439162	2.5649596005	1.8208092618	2.9491070313	2.0844175475
##	12080	12081	12082	12083	12084
##	2.3156252045	1.9939673214	2.1669419120	1.6941789453	3.7234930642
##	12085	12086	12087	12088	12089
##	2.5604829565	1.6936652321	2.5142487638	0.3654596202	1.6446423103
##	12090	12091	12092	12093	12094
##	2.3985532008	2.0560899310	2.9164495460	0.9919696242	0.9608532787
##	12095	12096	12097	12098	12099
##	1.9623005688	2.1652539970	1.2648981360	2.7321732639	0.3590748983
##	12100	12101	12102	12103	12104
##	1.6782171407	1.9167635584	2.0281659464	2.9005978228	2.1449623235
##	12105	12106	12107	12108	12109
##	0.8011251513	2.3059013465	2.4212299715	0.8622570282	1.5581917089
##	12110	12111	12112	12113	12114
##	1.6641267201	3.5585476399	1.8004007303	2.3474686494	1.4025665107
##	12115	12116	12117	12118	12119
##	1.4759174243	3.2421736646	1.0041084965	1.1448659275	2.9001140266
##	12120	12121	12122	12123	12124
##	1.8060148822	1.0758448827	3.3173225745	3.3109011589	0.1185769323
##	12125	12126	12127	12128	12129
##	1.7063545114	2.3979226294	1.2229136479	1.3918519201	-0.8455160657
##	12130	12131	12132	12133	12134
##	2.8946833437	1.2226200975	1.2630566691	1.3856139734	1.2899626664
##	12135	12136	12137	12138	12139
##	1.3458106356	0.4425192703	2.2098763247	1.2920175194	1.8279672160
##	12140	12141	12142	12143	12144
##	1.9444333488	1.5234820330	0.8152182343	2.0458183284	1.8514879441
##	12145	12146	12147	12148	12149
##	3.0200755100	2.5704296397	0.5258875923	3.0742722580	1.4528464609
##	12150	12151	12152	12153	12154
##	1.8811732313	1.9122528830	2.0431029870	1.9722839458	1.7588727836
##	12155	12156	12157	12158	12159
##	1.8185736022	1.2742944122	3.4019112311	0.5632051906	1.1965769360
##	12160	12161	12162	12163	12167
##	1.0953754254	4.2831724528	2.5414162754	2.4592221551	2.2890017194
##	12169	12170	12171	12173	12174
##	1.6698851692	1.7938648110	1.7733162809	2.0860130437	2.7164463703
##	12175	12178	12179	12183	12185
##	1.9748639465	1.5475486911	1.4262383128	1.4856368601	2.1473056467
##	12186	12188	12189	12191	12192
##	1.4183865021	1.2882696109	1.8748990494	1.2735920895	1.3740876969
##	12194	12195	12196	12197	12198

##	1.2295595250	2.0474985007	1.2207530122	1.6813135171	1.9792767163
##	12199	12201	12207	12208	12209
##	1.7161395026	1.6255389355	1.2008929435	1.1920864306	1.4921782426
##	12214	12218	12220	12221	12222
##	1.4934412422	1.0064611986	1.1304408404	1.5813486199	1.4611506950
##	12223	12225	12227	12228	12231
##	1.4876090469	1.7921096271	1.4601713061	1.0602549782	1.9739229707
##	12232	12233	12234	12236	12237
##	1.0599887373	1.0570532331	1.3995051048	1.3936340962	1.0482467202
##	12238	12239	12240	12241	12243
##	1.0482467202	1.7392705498	1.7363350455	1.9533744406	0.9007830440
##	12246	12248	12249	12250	12251
##	0.8861055226	1.3525370361	0.6662279966	1.4313955860	0.8772990097
##	12252	12253	12254	12255	12256
##	1.0042141557	1.3407950189	1.4196535688	0.9751253536	1.6746894553
##	12263	12264	12265	12266	12267
##	1.2967624545	1.6453344124	1.2938269502	0.5928403893	1.3934763451
##	12269	12274	12276	12277	12279
##	1.2938657635	0.7921693851	1.3403949529	0.9102780183	0.7804273680
##	12280	12281	12282	12283	12284
##	0.8956004968	1.3198464228	0.8926649926	0.5458723206	1.0706884751
##	12285	12288	12290	12291	12296
##	0.8838584797	1.2312019712	1.8297257164	2.0270707927	0.8019306002
##	12301	12302	12305	12306	12309
##	0.6600716919	2.0256370386	0.7667045487	1.4750751633	0.7781803251
##	12310	12312	12313	12315	12316
##	1.2378946175	0.6424586661	1.1936197382	0.7461560186	0.6365876575
##	12317	12320	12321	12322	12323
##	1.1030191710	1.1000836667	1.2144105831	0.7517607864	0.7458897778
##	12324	12326	12327	12328	12333
##	1.4499243212	0.7168009757	0.6013616060	0.7282767521	1.0795739500
##	12334	12336	12341	12342	12343
##	0.7077282220	1.0048845297	0.6930507005	0.6727684113	1.0266960594
##	12344	12345	12346	12347	12348
##	1.1055546093	1.3824077224	0.6754376748	0.9755294868	0.6725021705
##	12349	12350	12352	12354	12356
##	1.0414123942	1.1292809586	0.6463488726	0.9579164610	0.5250384943
##	12360	12363	12365	12366	12368
##	0.5162319814	0.9344324267	1.3194934357	0.9285614181	0.4956834514
##	12370	12371	12372	12375	12376
##	1.3136224271	0.6196630932	0.9621149649	0.9197549052	0.9138838966
##	12378	12379	12382	12383	12385
##	0.4751349213	0.4751349213	0.2464508825	1.0470868383	0.5815015373
##	12386	12388	12389	12393	12394
##	0.9239534091	1.2117346532	0.5612192481	0.9940054461	0.9435225503
##	12396	12398	12399	12401	12404
##	0.9851989332	0.8581093150	0.4281668526	1.5025521542	0.9763924204
##	12405	12406	12407	12409	12410
##	0.9210567181	0.9705214118	0.5201221880	0.9587793946	0.8740498361
##	12413	12418	12420	12421	12422
##	1.2297614991	0.4995736579	0.4966381536	0.9382308645	0.9382308645
##	12424	12425	12426	12427	12428
##	0.3782632796	1.1962022553	1.1903312467	0.4963719128	0.9560862052
##	12429	12431	12432	12435	12438

##	0.3665212624	0.9531507009	1.4014996332	0.6685243868	0.7759151948
##	12439	12441	12442	12444	12445
##	0.9441403016	0.8941983001	0.7700441862	1.1580406995	0.4437990763
##	12447	12452	12455	12457	12458
##	0.9120536408	0.7377536389	1.6305823708	0.7595651686	0.8738920849
##	12459	12460	12462	12464	12466
##	0.7536941600	0.8354882142	1.0963951093	0.5863302665	0.2725851250
##	12467	12468	12469	12470	12471
##	0.7732633012	0.2667141164	0.8648816856	0.8541325102	1.3688515422
##	12473	12476	12477	12483	12485
##	0.7836613830	0.7243391170	0.8061331713	1.5485835927	0.8298595205
##	12486	12487	12490	12492	12493
##	0.7390554518	0.8269240162	0.7037905870	0.3381209217	0.2285525606
##	12494	12495	12497	12500	12502
##	0.2285525606	0.6526240144	0.7214424260	0.6891130655	0.7709071197
##	12503	12506	12507	12508	12509
##	0.8063754862	0.2138750391	1.5162930455	1.5181072273	0.6379464929
##	12511	12515	12516	12517	12519
##	0.7038294003	0.6979583917	0.5100071549	0.3058303745	0.6232689714
##	12521	12524	12526	12528	12529
##	0.7856230697	0.6803453659	0.1786489876	0.9965879633	1.2778509090
##	12530	12531	12536	12537	12541
##	0.6392094925	0.1669069704	0.9731039289	0.7033905210	0.2588623057
##	12542	12543	12544	12545	12547
##	0.2762090907	0.6975195124	0.6945840081	0.2644670735	0.5645588855
##	12548	12549	12552	12553	12554
##	0.1346164232	0.5616233812	0.9466843903	0.1228744060	0.2497895520
##	12556	12558	12559	12560	12565
##	0.1199389017	0.8712161550	1.1490462639	0.2177652456	1.2044633017
##	12567	12568	12569	12570	12571
##	0.6916869322	0.6772132972	0.0876483544	0.2145635005	0.5570153722
##	12577	12578	12580	12583	12584
##	0.1854746984	0.2028214833	0.6711384022	0.6515827139	0.0582933115
##	12586	12587	12592	12593	12595
##	0.6065188792	0.1793374490	0.5354874533	0.1414421340	0.5830348449
##	12596	12597	12598	12599	12603
##	0.8498127485	0.5247636383	0.0142607471	0.8130812592	0.5536798019
##	12605	12606	12607	12608	12609
##	0.1062160824	-0.0062877830	0.4207191751	0.5387655191	0.1176918588
##	12612	12613	12615	12616	12617
##	0.5801377690	0.7969736712	-0.2437783347	0.4689890567	1.4432364682
##	12618	12623	12624	12626	12630
##	0.0739255352	1.0635590955	1.0635590955	0.4249176790	0.6387640926
##	12631	12632	12633	12635	12636
##	0.7514356690	0.7610424341	-0.0532558517	0.4979052203	0.0533770051
##	12637	12638	12639	12642	12645
##	0.0707237901	0.5304380825	0.7617476197	0.5216315696	0.7411990896
##	12647	12648	12649	12653	12654
##	0.7382635853	1.2198071117	0.4132144751	0.3414605592	0.4102789708
##	12656	12657	12660	12661	12663
##	0.3355895506	0.5038146574	1.2653414263	1.5349821890	0.4480016473
##	12664	12665	12666	12667	12668
##	-0.1060949290	0.6956610874	0.2017792039	0.4421306387	0.4775990052
##	12671	12673	12675	12677	12686

##	0.7030375338	0.9872359839	0.0002716870	-0.0026638173	0.4482439622
##	12688	12691	12692	12693	12694
##	0.6574995316	0.3978613129	-0.0232123474	0.6516285230	0.4491467603
##	12696	12698	12702	12703	12704
##	0.6457575144	0.3892915614	1.1376129915	0.3310203549	-0.0581721581
##	12705	12708	12710	12712	12714
##	0.4344692388	0.6472629522	0.6377512537	0.6348157494	0.6514671530
##	12716	12718	12719	12720	12721
##	0.3163428334	0.3961938402	-0.1941600578	0.3570010142	0.6279831187
##	12725	12726	12731	12732	12735
##	0.5424396740	0.3845656658	0.3631143377	0.2771630754	0.5723699070
##	12736	12737	12738	12739	12740
##	0.5885528663	1.0730318970	0.3188394584	-0.1256887569	1.0642253841
##	12741	12742	12744	12747	12748
##	0.5768108491	1.0215453733	0.3041619369	0.5680043363	-0.2528701437
##	12749	12750	12751	12753	12755
##	0.3452974255	1.0542975487	0.5650688320	0.5722085371	0.5692730328
##	12757	12759	12761	12762	12763
##	0.2894844154	0.4215367748	0.8345897606	0.2301950067	-0.1465035277
##	12764	12766	12768	12769	12771
##	0.5575310156	0.5224663340	0.1477172757	0.5487245027	0.3044042518
##	12773	12774	12775	12776	12777
##	0.2630648768	0.2630648768	0.2601293725	0.2926622346	-0.2969027082
##	12779	12780	12782	12785	12786
##	0.2867912260	0.9628352874	-0.1787940750	0.2779847131	0.1183622328
##	12787	12788	12789	12790	12793
##	0.5027180562	0.4997825519	0.2729026599	0.2366453381	0.2337098338
##	12794	12796	12797	12798	12799
##	-0.2137538857	0.9838454457	0.7451920462	1.2930359805	0.2700809983
##	12800	12801	12804	12806	12809
##	0.2545006788	0.7028496111	0.0860716855	0.7582666489	0.2014192866
##	12810	12811	12813	12815	12816
##	1.1806656308	0.1984837823	-0.2489799372	0.8435946303	-0.2345686566
##	12817	12819	12820	12821	12823
##	1.0040815441	0.1896772694	0.3956644593	0.2337482623	0.2222101315
##	12824	12825	12826	12829	12831
##	1.1085889786	0.0596521469	-0.5842968328	0.4417776516	1.2561092810
##	12832	12833	12836	12837	12838
##	0.2075326101	0.6558815424	-0.0741581997	0.2113709124	-0.2842059888
##	12839	12840	12844	12845	12847
##	0.4079816665	1.2320320320	0.4021106580	0.1848375310	0.4087819187
##	12848	12849	12851	12852	12854
##	-0.2959480059	1.6728076822	0.1937578866	1.2267542381	0.4065516001
##	12856	12858	12859	12860	12862
##	0.6907500501	0.1613534967	0.3852978844	0.9365649453	1.2062057080
##	12863	12864	12865	12866	12867
##	0.1221606706	0.8781672911	-0.6459424230	0.1192251663	0.3860030700
##	12868	12869	12870	12872	12873
##	0.1525469838	0.1673383480	2.2434428108	0.1104186534	-0.6576844402
##	12877	12879	12881	12883	12884
##	0.1378694623	0.3784652536	0.6496529900	0.1312094984	0.2307289956
##	12885	12888	12890	12891	12893
##	0.6160298573	0.0898701234	0.3637877322	0.3637877322	1.0996082647
##	12894	12895	12896	12897	12898

##	-0.6870394832	0.3287230506	0.1262412879	0.9999753197	-0.3693356133
##	12899	12900	12901	12902	12903
##	0.6594331768	0.9941043111	0.0139858910	-0.0154079652	0.2043094570
##	12904	12905	12906	12907	12911
##	0.6564976725	0.8778548594	0.0997079065	0.8117720148	0.0968862449
##	12912	12913	12914	12920	12922
##	0.0458375590	0.5968139127	0.0939507406	0.0674173592	0.0282245332
##	12924	12927	12929	12930	12931
##	0.7765459632	0.0578218910	-0.4221746906	-0.4077634100	-0.2238689188
##	12934	12935	12938	12939	12940
##	1.1560651284	-0.0398713884	0.6557223555	0.2649422083	0.1397283625
##	12941	12944	12948	12949	12950
##	-0.4224409314	1.2614079710	0.0293696461	0.2385226696	0.2259804003
##	12952	12953	12954	12955	12956
##	0.0108538223	0.0205631333	-0.0916922636	-0.0916922636	0.1637596200
##	12959	12960	12961	12962	12963
##	-0.0451630742	0.1578886114	-0.0177122653	1.2144399023	0.2228835260
##	12964	12967	12969	12970	12971
##	2.0731835617	0.6696441721	0.4239767031	0.9557685543	-0.1869302139
##	12972	12974	12978	12979	12980
##	0.1848833402	0.4575126254	1.4000466236	0.1981307951	0.1373400814
##	12981	12983	12986	12987	12988
##	1.0030626970	0.8502646007	-0.0774536214	-0.0835613914	-0.1327893237
##	12989	12992	12993	12994	12996
##	0.8414580878	0.5647217224	1.6298472527	-0.0410824569	0.9234780071
##	12997	12998	13000	13001	13002
##	0.1717112565	-0.3383535863	0.1621995580	0.6521334604	0.0311147036
##	13003	13005	13007	13009	13010
##	0.4833029192	-0.0705513426	-0.1068086644	0.6462624518	0.1671089444
##	13011	13013	13015	13016	13017
##	1.3692988219	0.0903720126	0.5900262420	-0.1719690817	-0.5486676161
##	13019	13023	13025	13026	13027
##	0.6315849303	1.0151609223	0.5177536536	-0.1393359730	0.1240380022
##	13028	13030	13031	13033	13034
##	0.1406894058	0.0668879783	0.1085602285	1.1498751719	-0.1420347159
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##	-0.1420347159	-0.1087128984	0.9390748172	0.5665422077	-0.9160088181
##	13041	13042	13044	13046	13047
##	-0.2032414268	-0.0129178608	-0.0997925428	0.1260118843	0.4972051236
##	13051	13052	13053	13054	13056
##	-0.1204549156	-0.1056635514	-0.2808663513	0.5945446970	0.3606409836
##	13057	13058	13059	13060	13061
##	1.1293266418	-0.2867373599	-0.0275953823	0.8530259040	0.5459936776
##	13062	13063	13064	13065	13066
##	-0.2160016461	-0.1684542545	-0.1684542545	0.4825276021	-0.2926083685
##	13067	13071	13072	13073	13074
##	0.5430581733	1.1394853246	-0.6188534783	-0.1772607674	0.0703986727
##	13075	13077	13078	13080	13081
##	0.0995923457	0.8944490381	0.0674631684	0.3006855227	-0.1556809671
##	13082	13083	13085	13089	13090
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##	13091	13092	13093	13094	13095
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##	13098	13101	13102	13103	13104

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##	13106	13107	13108	13109	13111
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##	13112	13113	13114	13116	13117
##	1.1055797250	0.5229712714	0.5152860810	-1.0099449556	0.2784468634
##	13118	13119	13120	13121	13123
##	1.8853112869	-0.3689314801	0.5666914042	0.8948052462	1.2156480432
##	13127	13129	13133	13134	13136
##	0.0131940246	0.5180262432	-0.2623903920	0.2885859618	0.4461865316
##	13142	13144	13145	13146	13147
##	0.2490918204	-0.2408105917	1.0615471606	-0.3275508093	-0.1420800498
##	13151	13152	13153	13154	13155
##	1.0527406477	0.7887708835	-0.0090213132	-0.0220320270	1.2271084369
##	13157	13158	13159	13161	13162
##	0.7922996025	0.7267992193	0.4168314887	-0.2535454506	0.8547008549
##	13163	13164	13165	13167	13168
##	-0.2642946260	-0.4247060617	0.2866241314	-0.2524387661	0.9649220373
##	13169	13171	13172	13173	13177
##	-0.3588231544	-0.5467743912	0.7776220810	-0.8605195327	-0.2738900943
##	13178	13181	13182	13183	13184
##	-0.1743705970	0.8302241517	0.6124887528	0.4437126555	0.3992184629
##	13186	13190	13192	13193	13194
##	0.7688155681	0.2328113802	-0.3272082478	0.1991882474	-0.5327611803
##	13195	13198	13201	13202	13203
##	0.4319706383	0.7388673105	-0.0748711043	-0.4658031219	-0.4658031219
##	13204	13206	13207	13208	13209
##	-0.7688304382	1.2302606071	0.5801982056	0.4203090691	-0.3005135193
##	13210	13211	13212	13213	13214
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##	13215	13217	13218	13219	13220
##	0.3996800910	0.3522503942	0.9984778499	1.0982796640	0.1245552651
##	13221	13222	13223	13225	13226
##	-1.1303006316	0.1580911873	0.9734820318	0.6534116120	0.3463793856
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##	-0.3347467291	1.7590846022	0.7130409865	0.3850025696	0.6475406034
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##	-0.3435532420	1.7502780893	0.9588045103	-0.4351462660	1.2208501583
##	13248	13249	13251	13252	13253
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##	13262	13263	13264	13266	13267
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##	13279	13281	13282	13283	13284
##	0.1476817556	-0.4062301024	0.3450268319	-0.1293769893	0.1447462513
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##	13299	13301	13302	13304	13306
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##	13343	13345	13347	13349	13350
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##	13364	13365	13366	13367	13368
##	-0.2057001010	-0.4492313966	-0.4344400324	0.5985563191	0.1654931383
##	13369	13371	13372	13373	13374
##	0.2260237095	-0.2216463190	-0.4945319926	0.4083927900	-0.4551024052
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##	13387	13388	13389	13391	13392
##	1.6299224132	0.2558403806	1.4354691326	0.6394163726	0.5715435657
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##	-0.5031017441	0.6364808683	1.1769903953	0.8325778256	-0.5121450184
##	13398	13400	13401	13402	13403
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##	13404	13406	13407	13408	13411
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##	0.5865772953	0.5151273424	0.2000657990	0.4596683285	-0.5107631441
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##	13635	13637	13638	13639	13641
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##	13718	13720	13721	13722	13723
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##	13758	13759	13760	13761	13762
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##	0.1633565957	0.5304837657	0.8134189973	-0.7614261221	0.3908911764
##	13785	13786	13787	13788	13790
##	-0.2411373968	1.3657270267	0.3196834111	0.3196834111	-0.0521763463
##	13791	13792	13793	13795	13797
##	0.4836307925	0.3167479068	0.5713179434	1.3598560181	-0.7347642685
##	13798	13800	13801	13802	13803
##	0.5714093583	0.5654469348	0.7539948380	0.8274925828	0.2985416663
##	13804	13805	13806	13807	13809
##	0.5377069442	-0.0200970231	-0.0645912157	0.9163281967	1.0272381463
##	13810	13811	13813	13817	13818
##	-0.2666349665	0.5595759262	-0.7851469178	0.2926706577	-0.7465062857
##	13819	13820	13821	13822	13823
##	0.5757652315	-0.7486528347	-0.7486528347	0.2336344978	-0.0733977285
##	13824	13825	13826	13827	13828
##	-0.7515883389	-0.9965708588	0.2961993767	0.2832225031	0.2867996491
##	13829	13830	13831	13833	13836
##	0.2867996491	0.5507694133	-0.5818584708	0.1976617383	0.4140644999
##	13837	13838	13839	13842	13843

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##	0.2218924807	0.7192661939	0.7163306896	-0.6645998142	-0.7555166850
##	13849	13850	13851	13852	13853
##	0.6637732358	-0.7662658604	0.5360918919	0.5360918919	0.5360918919
##	13854	13855	13857	13859	13860
##	-0.0465165617	-0.5423214727	-0.7544100005	-0.7721368690	0.4425337324
##	13861	13863	13864	13867	13868
##	1.3216944623	-0.7643231979	-0.2029461831	0.3311884216	1.3187589580
##	13869	13870	13871	13872	13874
##	0.5272853790	0.1134530227	0.5272853790	0.3409876034	-0.7780078776
##	13875	13876	13877	13878	13879
##	0.7629824550	0.2568029645	0.4995453884	0.3380520991	1.3128879494
##	13880	13881	13882	13883	13884
##	0.2668443338	0.2668443338	-0.2662243499	0.5184788661	0.1683066954
##	13885	13887	13888	13889	13890
##	0.6432247058	0.1017110055	0.5155433618	-0.0670650918	-0.0935869445
##	13891	13892	13893	13894	13895
##	-0.0116029418	0.6402892015	-0.3392544135	0.2580378209	0.1532391277
##	13896	13899	13900	13901	13902
##	0.6899111510	0.9773345733	0.7483049335	1.3011459322	0.2457025890
##	13905	13906	13907	13909	13910
##	-0.9530968348	-0.3451254221	1.2982104279	-0.7985564077	0.4391782668
##	13911	13912	13913	13914	13916
##	-0.0233449590	-0.0632036071	0.3175035690	0.3175035690	-0.8014919120
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##	0.0870334841	0.6894137435	0.8546826065	0.3670964312	-0.3539319350
##	13925	13926	13927	13928	13929
##	0.5918065083	0.6226761757	0.6168569596	-0.8073629205	0.3641609269
##	13930	13931	13932	13933	13935
##	-0.7925715563	0.2988978744	0.4073076808	0.8394074014	0.4949948317
##	13936	13937	13938	13942	13943
##	0.4949948317	0.2274479215	0.4482896455	0.4043721765	-0.8110873802
##	13944	13945	13947	13948	13949
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##	0.4424186369	-0.3400225739	1.2776618979	0.0723559626	0.4861883189
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##	-0.7174388915	0.6133314727	1.2747263936	1.2747263936	0.4832528146
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##	0.7194828599	0.7194828599	0.1330806438	0.2127704001	0.2163475461
##	13971	13972	13973	13974	13975
##	-0.1467853359	0.2940195347	0.8341340765	0.2812848486	0.8217943756
##	13977	13978	13979	13980	13981
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##	13982	13983	13984	13986	13987
##	0.4496418154	-0.6039670629	0.8282630679	0.2075410332	0.1514403776
##	13988	13989	13991	13993	13994
##	-0.8337824592	-0.8337824592	0.2010283829	0.1485307521	-0.7350519173
##	13995	13997	14000	14002	14004
##	-1.4241363573	0.2793420132	-0.3526865599	-1.0875714919	0.8041813498
##	14005	14006	14007	14008	14009
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##	14010	14011	14012	14013	14014

##	0.4538977716	-0.3337409487	0.5786436113	0.3201283625	0.5810409255
##	14015	14016	14017	14018	14020
##	0.7953748370	0.8047790335	1.2395003420	0.4480267630	-0.1611035433
##	14021	14022	14023	14024	14025
##	-0.8572664936	-0.3702995857	0.7895038284	1.2365648377	0.3983860724
##	14027	14028	14029	14030	14031
##	0.2587934831	0.5640178823	-0.8602019978	0.7865683241	0.4421557544
##	14032	14033	14037	14040	14042
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##	0.4422471693	0.2529224746	-0.8660730064	-0.4143720990	-0.3899261469
##	14048	14049	14050	14051	14053
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##	14054	14055	14058	14059	14060
##	0.1787792049	0.4333492416	0.5580950812	0.5604923954	0.3837085510
##	14061	14063	14064	14065	14067
##	-0.6479996273	0.3657906594	0.1667816299	-0.3879126115	0.3167486828
##	14068	14071	14072	14073	14074
##	-0.1598799067	0.5679061495	0.2284457713	0.3368555778	1.2160163077
##	14075	14076	14077	14078	14082
##	1.2160163077	0.3778375424	-0.9140723454	-0.9201801153	0.5649706452
##	14083	14084	14085	14087	14088
##	0.3339200735	0.1670371877	0.3108776742	-0.7820199860	0.2292369697
##	14089	14092	14093	14094	14096
##	0.5463530640	-0.4075391726	0.1511248099	-0.9199433540	-0.7849554903
##	14099	14101	14102	14103	14104
##	-0.3996546287	0.6807173681	0.4348610253	0.2294384402	0.5428793696
##	14105	14106	14107	14108	14109
##	-0.4134101812	-0.0010316448	0.2265029359	0.1491686042	-0.8924925451
##	14110	14111	14112	14114	14115
##	-0.4407916376	0.6748463595	-0.4163456855	0.1552951706	-0.0039671491
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##	14123	14124	14125	14126	14128
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##	-0.6744191660	0.8687209144	0.1464886577	0.4949348666	-0.2260439519
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##	0.3364356165	0.5258045340	0.1341534258	-0.4202031587	0.5252663439
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##	1.0622934865	0.3951876857	0.1312179215	-0.1921704540	0.1315555784
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##	14516	14517	14518	14521	14522
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##	0.1250793073	-0.2520956763	1.0720754572	0.7867226835	-1.1007995073
##	14693	14694	14695	14698	14699
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##	0.4112549089	-0.6433014851	-0.6433014851	0.1018837747	-0.6541215334
##	14735	14736	14737	14738	14739
##	0.9635629384	0.1720893593	0.3606372625	0.1720893593	-0.1479810605
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##	14750	14751	14752	14753	14754
##	-0.6815029898	0.4341350074	-0.6570570377	0.9606274341	0.9606274341
##	14755	14758	14760	14761	14763
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##	0.1662183507	0.4024483960	0.4024483960	0.1853431603	-0.6873739984
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##	-0.6550435023	-0.2534850141	-0.1596971989	-0.2591663632	0.2850931818
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##	14809	14811	14815	14816	14817
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##	14852	14853	14854	14855	14856
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##	0.1192502820	0.0085207318	0.2965535755	0.1383750916	0.4730670482
##	14907	14908	14909	14910	14913
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##	14914	14915	14918	14920	14921
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##	14922	14923	14924	14926	14927
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##	14934	14935	14936	14939	14940
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##	0.4642605354	0.2375869230	0.2114118454	-1.4743937483	-0.3953184009
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##	14956	14957	14958	14959	14960
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##	14976	14977	14978	14979	14982
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##	14983	14984	14985	14986	14987
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##	0.2966087793	-1.4120768052	-1.4120768052	-0.2405529578	0.4713532575
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##	0.0203596052	0.0203596052	-0.6096102144	-0.6096102144	-0.3736888171
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##	-0.3601755297	-0.6624410200	-0.6624410200	-0.4985666249	-0.2852133634
##	16486	16487	16488	16489	16490
##	-0.3854099382	0.1524578665	-0.4028915045	0.3519014472	0.8052550662
##	16491	16492	16493	16494	16495
##	-0.2213281813	-0.0266399327	-0.3631110340	-0.6653765243	-0.5015021292
##	16496	16497	16498	16501	16502
##	0.5671687185	0.2818159448	0.0386124126	-0.0795072775	0.8023195619
##	16503	16504	16506	16507	16508
##	-0.0819098126	-0.5821096221	-0.2990150483	-0.6683120286	0.0994662474
##	16509	16510	16511	16512	16514
##	-0.1933940182	0.5642332142	0.5642332142	0.2788804405	-0.5817719652
##	16515	16516	16517	16518	16519
##	0.2599969483	0.1465868579	-0.0036481318	-0.0036481318	-0.3210753622
##	16520	16521	16523	16526	16527

##	-0.3856984400	-0.0325109413	-0.3180484430	-0.5847074695	-0.2552807503
##	16530	16531	16534	16535	16536
##	-0.1806474456	-1.1502217592	-1.0116440838	-0.3719175469	-0.0110241598
##	16537	16538	16539	16540	16541
##	0.0298058998	-0.2050842428	-0.8268375322	-0.5815164074	-0.3078215612
##	16542	16543	16544	16545	16546
##	-0.6771185415	-0.5193166254	0.2700739276	0.0268703955	-1.1452727195
##	16547	16548	16549	16550	16551
##	0.2511904354	-0.1865184542	0.1377803450	-0.1998032169	0.4615917040
##	16554	16555	16556	16557	16558
##	-0.3777885554	-0.6800540458	-0.5161796506	-0.5222521297	-0.2051360354
##	16561	16562	16564	16565	16566
##	-1.1846796503	-1.6203837674	-0.1894539585	-0.0941847990	-0.3974404572
##	16567	16570	16572	16575	16576
##	-0.3136925698	-0.5191151549	-0.5964494867	-1.8830931558	-0.0707717313
##	16577	16578	16579	16581	16582
##	-0.0707717313	-0.3674705308	-0.0995228383	-0.4003759615	-0.3166280741
##	16584	16585	16586	16587	16588
##	-0.5993849910	0.2423839225	0.0057241817	0.0403347803	-0.6888605587
##	16590	16591	16594	16596	16597
##	-0.5310586426	0.2583319105	0.1260383278	-0.6055936564	-1.7355746685
##	16598	16600	16602	16603	16604
##	-0.3224990827	-0.2226972686	-0.0795782442	-0.3762770437	-0.4552889467
##	16605	16608	16609	16610	16612
##	-0.1083293512	-1.4229727611	-1.1321981168	-0.3254345870	-0.7863574579
##	16613	16614	16616	16618	16619
##	-0.6081915038	-0.4783288056	-0.5337926764	-0.6111270081	-0.6111270081
##	16624	16625	16626	16627	16630
##	-0.8503215666	-0.3983370855	-0.3474034859	-0.5367281807	-0.2315037815
##	16634	16635	16636	16637	16638
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##	16639	16640	16643	16644	16645
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##	16646	16647	16649	16651	16652
##	0.2436543890	0.2436543890	-0.9130237861	-1.6438678018	-0.8561925752
##	16653	16654	16655	16656	16657
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##	16658	16659	16660	16663	16665
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##	16666	16667	16670	16671	16672
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##	16674	16675	16676	16677	16678
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##	16679	16680	16683	16684	16685
##	0.2348478761	-0.0083556561	-0.1264753462	0.7553514932	-0.3899124129
##	16687	16688	16689	16690	16691
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##	16692	16696	16697	16698	16699
##	0.2319123718	-0.2461813030	-0.9247658032	-0.9247658032	-1.1834342753
##	16700	16701	16702	16703	16704
##	0.0996187892	-0.8679345924	-0.0794790100	-0.0794790100	-0.7182156016
##	16705	16707	16708	16709	16710
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##	16711	16712	16713	16714	16715

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##	16717	16718	16719	16720	16721
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##	16722	16723	16724	16725	16726
##	-0.9002622116	-0.3547896299	-0.3547896299	-0.4218211199	-0.5544135091
##	16727	16729	16730	16731	16735
##	0.5084586326	-0.3468589536	-0.3468589536	-0.2549878159	-1.6644163318
##	16737	16738	16739	16741	16742
##	0.2042223667	-0.2467712856	-0.4016544300	-0.2829737715	-0.2829737715
##	16743	16744	16745	16747	16748
##	-1.7215727878	-0.4247566242	-0.4247566242	-1.2304422929	0.2873203527
##	16749	16750	16752	16753	16754
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##	-0.8855476181	-0.0412438870	-0.3856564566	-0.1494264113	-0.2917802844
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##	16790	16792	16793	16794	16795
##	0.0148003670	-0.9553961065	0.7289319545	0.3999461138	-0.6554972294
##	16797	16798	16800	16801	16802
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##	16803	16805	16806	16807	16810
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##	16812	16813	16815	16817	16818
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##	16819	16822	16823	16824	16826
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##	16835	16836	16838	16840	16841
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##	16847	16848	16850	16851	16852
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##	16853	16854	16855	16856	16858
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##	16865	16866	16867	16869	16871
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##	16873	16874	16875	16877	16878
##	0.0497152162	-0.8317793601	-0.7773157337	-0.1293825830	-0.6042447795
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##	16918	16919	16922	16923	16924
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##	17101	17102	17104	17105	17107
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##	17413	17416	17417	17419	17421
##	-0.8342253345	-0.6214354119	0.3088443406	-1.1331866082	-1.8640306239
##	17422	17423	17431	17435	17436
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##	0.2912313148	-0.4507138408	-0.1264150415	-0.2150540933	-0.5002010893
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##	17524	17525	17528	17529	17531
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## -1.2801002665 -1.7024340965 -1.5445447058 -1.5445447058 -1.2859712751
##      19074      19075      19076      19079      19080
## -1.9276433710 -1.5804067045 -1.5533512187 -1.5241172084 -1.0081409070
##      19081      19082      19083      19084      19085
## -1.4953370451 -1.5700884079 -1.6371198978 -1.0110764113 -1.4703383864
##      19087      19089      19091      19092      19093
## -1.5818304250 -2.6088847573 -2.1826377078 -1.2424805964 -1.3329393438
##      19094      19095      19096      19098      19099
## -2.4851080528 -1.5798917900 -1.3593588824 -1.3622943867 -1.6987654880
##      19100      19101      19103      19105      19107
## -1.7046364966 -1.5378031926 -2.9620230728 -1.6033758244 -1.6063113287
##      19108      19109      19110      19111      19112
## -1.9321039407 -1.6121823372 -1.5495970023 -1.8635761219 -1.3916494297
##      19113      19115      19116      19118      19120
## -2.0303860213 -1.6209888501 -1.7369270438 -2.9824577601 -1.2802207711
##      19121      19124      19125      19126      19127
## -1.6845730754 -1.6503438931 -2.1410142755 -1.9193507035 -1.1578516260
##      19128      19129      19130      19131      19133
## -1.6796989360 -2.3103238303 -3.0470388546 -1.6973119618 -2.6172057461
##      19134      19135      19136      19138      19140
## -1.5121043399 -3.0675873847 -1.1989486861 -1.6861448243 -1.8106964915
##      19141      19142      19143      19144      19145
## -1.6699008859 -1.5031985929 -1.7008223458 -1.7793850494 -3.3883425483
##      19146      19147      19148      19149      19151
## -1.9956738151 -1.4089192159 -1.7990577428 -1.7360483973 -1.5330458693
##      19152      19154      19155      19156      19158
## -1.7286627643 -2.1534843409 -2.3326047346 -1.4563510288 -1.3075623450
##      19160      19161      19162      19163      19164
## -1.9179896984 -3.2084915908 -2.4877293483 -1.3427883965 -1.8617002023
##      19165      19166      19167      19168      19169
## -2.7904004995 -1.9444092371 -2.2207626602 -2.1395135255 -2.2197833616
##      19170      19171      19172      19173      19174
## -1.4014984824 -2.0367303221 -3.7432830399 -1.9076767337 -2.3019774818
##      19175      19176      19177      19179      19180
## -1.9820558784 -1.9937978955 -1.9937978955 -3.3699443270 -1.7996845266
##      19181      19182      19183      19184      19185
## -2.2543089039 -2.0965405459 -1.5981772702 -2.4455616344 -2.1581861360
##      19186      19188      19189      19190      19191
## -3.9283357035 -1.6879074369 -2.3348313083 -3.2483391694 -3.1870511231
##      19193
## -3.7402585159
##

```



```

## $fitMsgs
## character(0)
##
## $optinfo
## $optinfo$optimizer
## [1] "nloptwrap"
##
## $optinfo$control
## $optinfo$control$print_level
## [1] 0
##
##
## $optinfo$derivs
## $optinfo$derivs$gradient
## [1] -1.171429e-05
##
## $optinfo$derivs$Hessian
##          [,1]
## [1,] 371.2031
##
##
## $optinfo$conv
## $optinfo$conv$opt
## [1] 0
##
## $optinfo$conv$lme4
## list()
##
##
## $optinfo$feval
## [1] 17
##
## $optinfo$warnings
## list()
##
## $optinfo$val
## [1] 0.3401139
##
##
## attr("class")
## [1] "summary.merMod"

```

Year effects model

```

load("M3.rda")
print(summaryM3)

```

```

## $methTitle
## [1] "Linear mixed model fit by REML"
##
## $objClass
## [1] "lmerMod"
## attr("package")
## [1] "lme4"
##

```

```

## $devcomp
## $devcomp$cmp
##      ldL2      ldRX2      wrss      ussq      pwrss      drsum
## 1.442142e+02 3.050711e+02 1.330029e+05 2.159612e+02 1.332188e+05      NA
##      REML      dev      sigmaML      sigmaREML
## 9.103157e+04      NA 2.650439e+00 2.654221e+00
##
## $devcomp$dims
##      N      n      p      nmp      q      nth      useSc reTrms      spFe      REML      GLMM
## 18964 18964      54 18910      37      1      1      1      0      54      0
##      NLMM
##      0
##
##
## $isLmer
## [1] TRUE
##
## $useScale
## [1] TRUE
##
## $logLik
## 'log Lik.' -45515.79 (df=56)
##
## $family
## NULL
##
## $link
## NULL
##
## $ngrps
## station
##      37
##
## $coefficients
##
##              Estimate Std. Error      t value
## (Intercept) 20.26866025 0.52490260 38.61413548
## year2012    -1.09549716 0.40700132 -2.69163046
## year2013      6.85971631 0.15055934 45.56154469
## year2015      1.97433770 0.31909347  6.18733353
## year2016      2.07211246 0.28023021  7.39432217
## year2017      1.37855340 0.28642083  4.81303467
## year2018      1.31174381 0.29402084  4.46139743
## regionnorth  -0.00906460 0.58749364 -0.01542927
## regionnorth_central -0.55945157 0.54681559 -1.02310831
## regionsouth   0.14641784 0.55471571  0.26395114
## sexM          -0.79901741 0.10205630 -7.82918293
## speciesND     -0.10600698 0.40992605 -0.25860025
## speciesTS      2.18654221 0.13361660 16.36430061
## shoreonshore   0.91377177 0.34409011  2.65561763
## year2012:regionnorth 1.30689823 0.47051210  2.77760815
## year2013:regionnorth 1.35867364 0.22430053  6.05738053
## year2015:regionnorth -2.26651247 0.33179397 -6.83108400
## year2016:regionnorth -1.19363914 0.30425136 -3.92320068
## year2017:regionnorth -1.90570476 0.29339090 -6.49544596

```

```

## year2018:regionnorth      -0.76435682 0.30298637 -2.52274323
## year2012:regionnorth_central 2.54520536 0.39273729  6.48068163
## year2016:regionnorth_central 0.18520885 0.26869929  0.68927926
## year2017:regionnorth_central 0.02268015 0.27547412  0.08233134
## year2018:regionnorth_central 0.46254258 0.28943974  1.59806174
## year2012:regionsouth      2.79944410 0.37562728  7.45271783
## year2015:regionsouth      -1.51708845 0.27414246 -5.53394194
## year2016:regionsouth      -2.65432571 0.28888961 -9.18802758
## year2017:regionsouth      0.59926856 0.24928181  2.40398026
## sexM:speciesND            -0.25790856 0.16901101 -1.52598671
## sexM:speciesTS            -1.68841360 0.09175936 -18.40045033
## year2012:speciesND         0.52407812 0.46008235  1.13909632
## year2013:speciesND         1.26673839 0.54207417  2.33683591
## year2015:speciesND         2.66809944 0.44075415  6.05348687
## year2016:speciesND         1.40787689 0.43690950  3.22235358
## year2017:speciesND         0.06249900 0.43775906  0.14277032
## year2018:speciesND         1.29012267 0.45506534  2.83502733
## year2012:speciesTS         3.02840209 0.16244446 18.64269216
## year2013:speciesTS         5.59420265 0.25636980 21.82083346
## year2015:speciesTS         0.36184173 0.22975886  1.57487610
## year2016:speciesTS         1.12055707 0.20529017  5.45840586
## year2017:speciesTS         1.40663927 0.17602522  7.99112350
## year2018:speciesTS         2.32927372 0.16979683 13.71800494
## year2012:sexM              -0.64272813 0.13591878 -4.72876612
## year2013:sexM              -0.99046429 0.16661887 -5.94449051
## year2015:sexM              1.16542144 0.17034129  6.84168485
## year2016:sexM              -0.14411018 0.14998025 -0.96086106
## year2017:sexM              -0.10142978 0.14611016 -0.69420072
## year2018:sexM              -0.01074353 0.14036122 -0.07654200
## year2012:shoreonshore      -0.63149026 0.18284384 -3.45371355
## year2013:shoreonshore      -1.49701447 0.26154865 -5.72365580
## year2015:shoreonshore      -0.06246135 0.21168520 -0.29506717
## year2016:shoreonshore      0.66897547 0.19577416  3.41707741
## year2017:shoreonshore      0.19010895 0.20115345  0.94509416
## year2018:shoreonshore      -0.09686518 0.17356132 -0.55810348
##
## $sigma
## [1] 2.654221
##
## $vcov
## 54 x 54 Matrix of class "dpoMatrix"
##              (Intercept)      year2012      year2013
## (Intercept)    0.2755227433 -0.0803165768 -0.0050316500
## year2012       -0.0803165768  0.1656500778  0.0046017806
## year2013       -0.0050316500  0.0046017806  0.0226681163
## year2015       -0.0615556837  0.0562538456  0.0051525898
## year2016       -0.0572106199  0.0534161616  0.0054658837
## year2017       -0.0648995794  0.0635759858  0.0054526049
## year2018       -0.0612423237  0.0562929719  0.0054934467
## regionnorth    -0.2276607349  0.0755851693  0.0006818860
## regionnorth_central -0.2398901168  0.0768635726 -0.0015683221
## regionsouth    -0.1811434270  0.0277521038 -0.0001962634
## sexM           -0.0044552892  0.0041745277  0.0029209811
## speciesND      -0.0086489902  0.0067537018  0.0023223329

```

## speciesTS	0.0028997780	-0.0029568155	0.0010086267
## shoreonshore	-0.0731083505	0.0088347508	0.0031542695
## year2012:regionnorth	0.0740841143	-0.1568638847	-0.0005686036
## year2013:regionnorth	-0.0032972519	0.0037090538	-0.0085269589
## year2015:regionnorth	0.0498560514	-0.0468304820	-0.0015382669
## year2016:regionnorth	0.0482383236	-0.0459143385	-0.0017123741
## year2017:regionnorth	0.0490256615	-0.0583226603	-0.0010555630
## year2018:regionnorth	0.0496801277	-0.0460646911	-0.0012472968
## year2012:regionnorth_central	0.0746762498	-0.1504163938	0.0017038278
## year2016:regionnorth_central	0.0505848805	-0.0476274189	0.0019596396
## year2017:regionnorth_central	0.0575772172	-0.0613193152	0.0020289205
## year2018:regionnorth_central	0.0544193024	-0.0509836244	0.0018201072
## year2012:regionsouth	0.0226130969	-0.0950354005	0.0002607253
## year2015:regionsouth	-0.0013269994	0.0013810381	0.0001372546
## year2016:regionsouth	-0.0050580794	0.0013864764	-0.0001453688
## year2017:regionsouth	0.0032806506	-0.0123781527	0.0001166645
## sexM:speciesND	0.0001503409	-0.0003975399	0.0004259215
## sexM:speciesTS	0.0018085370	-0.0007607151	0.0005354288
## year2012:speciesND	0.0095968454	-0.0094112546	-0.0017417526
## year2013:speciesND	0.0078678758	-0.0057027158	-0.0161377459
## year2015:speciesND	0.0093678840	-0.0072337934	-0.0024392389
## year2016:speciesND	0.0072634451	-0.0051673042	-0.0020939102
## year2017:speciesND	0.0086748069	-0.0064537648	-0.0022798422
## year2018:speciesND	0.0098488804	-0.0066691696	-0.0023262420
## year2012:speciesTS	-0.0040220362	0.0018066250	-0.0011838465
## year2013:speciesTS	-0.0038594241	0.0027410661	-0.0097304369
## year2015:speciesTS	-0.0020747558	0.0010024695	-0.0012401250
## year2016:speciesTS	-0.0056288227	0.0045192688	-0.0011338616
## year2017:speciesTS	-0.0046146837	0.0032910166	-0.0015085035
## year2018:speciesTS	-0.0041113907	0.0031305818	-0.0014490261
## year2012:sexM	0.0037024486	-0.0060445839	-0.0030567959
## year2013:sexM	0.0031019577	-0.0035567972	-0.0102900149
## year2015:sexM	0.0041165876	-0.0041340405	-0.0030827966
## year2016:sexM	0.0040029669	-0.0037973521	-0.0032452797
## year2017:sexM	0.0042631089	-0.0032524433	-0.0031281019
## year2018:sexM	0.0041093516	-0.0039940124	-0.0032640580
## year2012:shoreonshore	0.0147013671	-0.0287809802	-0.0028952511
## year2013:shoreonshore	0.0137185881	-0.0129452188	-0.0074119905
## year2015:shoreonshore	0.0193425250	-0.0156020576	-0.0031958561
## year2016:shoreonshore	0.0188028021	-0.0162356048	-0.0037851985
## year2017:shoreonshore	0.0184451990	-0.0080608962	-0.0036348136
## year2018:shoreonshore	0.0164464918	-0.0144305009	-0.0035394776
##	year2015	year2016	year2017
## (Intercept)	-0.0615556837	-0.0572106199	-0.064899579
## year2012	0.0562538456	0.0534161616	0.063575986
## year2013	0.0051525898	0.0054658837	0.005452605
## year2015	0.1018206402	0.0583364573	0.062979332
## year2016	0.0583364573	0.0785289709	0.058186833
## year2017	0.0629793320	0.0581868327	0.082036893
## year2018	0.0624727451	0.0577269726	0.063267210
## regionnorth	0.0480279860	0.0447308513	0.050390554
## regionnorth_central	0.0538479536	0.0501953044	0.057566034
## regionsouth	-0.0001940105	-0.0014198084	0.002592758
## sexM	0.0043896968	0.0042949621	0.004311800

## speciesND	0.0095733296	0.0075622691	0.007586648
## speciesTS	-0.0027106948	-0.0034117693	-0.003299157
## shoreonshore	0.0173721098	0.0164820065	0.017580915
## year2012:regionnorth	-0.0486083802	-0.0458568142	-0.056297138
## year2013:regionnorth	0.0031310970	0.0031708933	0.002753144
## year2015:regionnorth	-0.0845987944	-0.0479182485	-0.051370952
## year2016:regionnorth	-0.0484751070	-0.0675423179	-0.049692246
## year2017:regionnorth	-0.0458774957	-0.0428347911	-0.053082633
## year2018:regionnorth	-0.0501845757	-0.0465484992	-0.051555020
## year2012:regionnorth_central	-0.0506717296	-0.0482709456	-0.058448971
## year2016:regionnorth_central	-0.0510532719	-0.0657492810	-0.051518420
## year2017:regionnorth_central	-0.0544427570	-0.0504613397	-0.067203627
## year2018:regionnorth_central	-0.0550691842	-0.0511878053	-0.055956386
## year2012:regionsouth	0.0011530108	0.0013158447	-0.005426182
## year2015:regionsouth	-0.0276222294	0.0005871871	0.001885795
## year2016:regionsouth	0.0047366462	-0.0101303782	0.004467913
## year2017:regionsouth	0.0012049119	0.0009226919	-0.008464310
## sexM:speciesND	0.0008211584	0.0004613516	0.001759966
## sexM:speciesTS	-0.0014113367	-0.0010502709	-0.001343632
## year2012:speciesND	-0.0101638744	-0.0074295368	-0.008175800
## year2013:speciesND	-0.0091233495	-0.0065994836	-0.007242964
## year2015:speciesND	-0.0160641141	-0.0082643051	-0.008722462
## year2016:speciesND	-0.0094261955	-0.0151832588	-0.005420265
## year2017:speciesND	-0.0102845530	-0.0072999491	-0.013167740
## year2018:speciesND	-0.0113684303	-0.0084493045	-0.009321295
## year2012:speciesTS	0.0032498642	0.0040614222	0.003788915
## year2013:speciesTS	0.0035585196	0.0042020295	0.003959771
## year2015:speciesTS	-0.0080221299	0.0027390722	0.002297819
## year2016:speciesTS	0.0050459051	0.0076322185	0.006289457
## year2017:speciesTS	0.0056940553	0.0049473539	0.003567877
## year2018:speciesTS	0.0036922136	0.0038319161	0.004551316
## year2012:sexM	-0.0039052812	-0.0038625928	-0.003868561
## year2013:sexM	-0.0032823580	-0.0033903897	-0.003174356
## year2015:sexM	-0.0085265771	-0.0041192205	-0.004364758
## year2016:sexM	-0.0045863044	-0.0076408289	-0.004320324
## year2017:sexM	-0.0042622458	-0.0044384187	-0.010468727
## year2018:sexM	-0.0038305083	-0.0041377106	-0.004355299
## year2012:shoreonshore	-0.0139543890	-0.0139310633	-0.014081133
## year2013:shoreonshore	-0.0132517850	-0.0142678990	-0.014306251
## year2015:shoreonshore	-0.0297982958	-0.0178883967	-0.019917020
## year2016:shoreonshore	-0.0192627406	-0.0306126467	-0.019359232
## year2017:shoreonshore	-0.0215704766	-0.0189155678	-0.029124592
## year2018:shoreonshore	-0.0169982554	-0.0157558325	-0.017193385
##	year2018	regionnorth	regionnorth_central
## (Intercept)	-0.0612423237	-2.276607e-01	-0.2398901168
## year2012	0.0562929719	7.558517e-02	0.0768635726
## year2013	0.0054934467	6.818860e-04	-0.0015683221
## year2015	0.0624727451	4.802799e-02	0.0538479536
## year2016	0.0577269726	4.473085e-02	0.0501953044
## year2017	0.0632672105	5.039055e-02	0.0575660340
## year2018	0.0864482526	4.826731e-02	0.0542349112
## regionnorth	0.0482673091	3.451488e-01	0.2285024161
## regionnorth_central	0.0542349112	2.285024e-01	0.2990072844
## regionsouth	-0.0222995483	1.824853e-01	0.1817529916

## sexM	0.0040167729	-6.222888e-04	0.0006845492
## speciesND	0.0083177577	-4.366286e-03	0.0049633514
## speciesTS	-0.0037044338	-1.129470e-03	-0.0055022322
## shoreonshore	0.0171366560	9.286334e-04	0.0195387910
## year2012:regionnorth	-0.0486981087	-8.726290e-02	-0.0732082398
## year2013:regionnorth	0.0030915899	-6.002452e-03	0.0063167465
## year2015:regionnorth	-0.0509001983	-5.162896e-02	-0.0472277094
## year2016:regionnorth	-0.0489216656	-4.995977e-02	-0.0455691116
## year2017:regionnorth	-0.0455260592	-5.779292e-02	-0.0490758548
## year2018:regionnorth	-0.0720546755	-5.194602e-02	-0.0475995023
## year2012:regionnorth_central	-0.0512669314	-7.389753e-02	-0.0790327992
## year2016:regionnorth_central	-0.0511469063	-4.320134e-02	-0.0508940260
## year2017:regionnorth_central	-0.0546049655	-5.038673e-02	-0.0582932040
## year2018:regionnorth_central	-0.0758727829	-4.657182e-02	-0.0545887434
## year2012:regionsouth	0.0238303911	-2.701055e-02	-0.0250246082
## year2015:regionsouth	0.0232307444	1.491574e-03	0.0015981939
## year2016:regionsouth	0.0256081949	2.631243e-03	0.0034677419
## year2017:regionsouth	0.0229143179	-4.337534e-03	-0.0034704140
## sexM:speciesND	0.0004317657	-5.722101e-05	0.0002753544
## sexM:speciesTS	-0.0006146878	-9.062863e-04	-0.0003594373
## year2012:speciesND	-0.0083503217	4.350679e-03	-0.0048642011
## year2013:speciesND	-0.0079802841	4.700168e-03	-0.0047416603
## year2015:speciesND	-0.0092326153	3.664323e-03	-0.0057827333
## year2016:speciesND	-0.0061369109	6.075976e-03	-0.0032463613
## year2017:speciesND	-0.0082576851	5.292984e-03	-0.0049405507
## year2018:speciesND	-0.0098325503	4.514610e-03	-0.0053398604
## year2012:speciesTS	0.0039851847	1.351157e-03	0.0055124877
## year2013:speciesTS	0.0041235149	1.495351e-03	0.0054538079
## year2015:speciesTS	0.0019841950	-4.740921e-04	0.0038168248
## year2016:speciesTS	0.0060883533	2.892479e-03	0.0073788654
## year2017:speciesTS	0.0052182939	2.264517e-03	0.0060767810
## year2018:speciesTS	0.0017454570	1.486652e-03	0.0055211629
## year2012:sexM	-0.0037233140	1.205142e-03	-0.0002810829
## year2013:sexM	-0.0033020308	1.216007e-03	-0.0001530092
## year2015:sexM	-0.0040195702	7.164329e-04	-0.0007256774
## year2016:sexM	-0.0039982848	8.088847e-04	-0.0006720131
## year2017:sexM	-0.0044843622	1.413421e-03	-0.0006484072
## year2018:sexM	-0.0067370649	7.151376e-04	-0.0007997953
## year2012:shoreonshore	-0.0140534833	-6.421242e-03	-0.0105191544
## year2013:shoreonshore	-0.0143887825	-4.532565e-03	-0.0108104723
## year2015:shoreonshore	-0.0194459520	-7.357501e-03	-0.0140291334
## year2016:shoreonshore	-0.0193138559	-8.082094e-03	-0.0145244431
## year2017:shoreonshore	-0.0213495604	-3.776796e-03	-0.0128881079
## year2018:shoreonshore	-0.0192056103	-6.190317e-03	-0.0125729749
## regionsouth		sexM	speciesND
## (Intercept)	-1.811434e-01	-4.455289e-03	-0.0086489902
## year2012	2.775210e-02	4.174528e-03	0.0067537018
## year2013	-1.962634e-04	2.920981e-03	0.0023223329
## year2015	-1.940105e-04	4.389697e-03	0.0095733296
## year2016	-1.419808e-03	4.294962e-03	0.0075622691
## year2017	2.592758e-03	4.311800e-03	0.0075866480
## year2018	-2.229955e-02	4.016773e-03	0.0083177577
## regionnorth	1.824853e-01	-6.222888e-04	-0.0043662861
## regionnorth_central	1.817530e-01	6.845492e-04	0.0049633514

## regionsouth	3.077095e-01	1.232730e-04	0.0003584767
## sexM	1.232730e-04	1.041549e-02	0.0018972094
## speciesND	3.584767e-04	1.897209e-03	0.1680393657
## speciesTS	5.486651e-04	1.076196e-04	-0.0011220579
## shoreonshore	-1.923234e-03	5.136231e-04	0.0083048041
## year2012:regionnorth	-2.777775e-02	-6.178354e-05	0.0035813876
## year2013:regionnorth	-1.213768e-05	9.711383e-04	0.0074522513
## year2015:regionnorth	1.126391e-03	5.661258e-05	0.0128407916
## year2016:regionnorth	1.530658e-03	2.559109e-04	0.0104841302
## year2017:regionnorth	-5.551403e-03	4.337650e-04	0.0032990994
## year2018:regionnorth	2.349282e-02	5.501682e-04	0.0057446183
## year2012:regionnorth_central	-2.719821e-02	-8.562772e-04	-0.0043734361
## year2016:regionnorth_central	7.671669e-04	-9.115920e-04	-0.0052660267
## year2017:regionnorth_central	-3.521745e-03	-9.301877e-04	-0.0045982139
## year2018:regionnorth_central	2.285360e-02	-7.550022e-04	-0.0045930808
## year2012:regionsouth	-6.485932e-02	-1.301312e-04	-0.0008748207
## year2015:regionsouth	-3.439978e-02	-2.048674e-04	-0.0003400725
## year2016:regionsouth	-3.749138e-02	-2.043557e-04	-0.0002664719
## year2017:regionsouth	-4.024314e-02	-1.311843e-04	-0.0003529843
## sexM:speciesND	5.173221e-04	-1.365065e-03	-0.0088657095
## sexM:speciesTS	-2.969240e-04	-3.325909e-03	-0.0007901276
## year2012:speciesND	-4.315007e-03	-1.438664e-03	-0.1663550045
## year2013:speciesND	-4.279847e-04	-1.038157e-03	-0.1661624702
## year2015:speciesND	-1.628295e-04	-1.525554e-03	-0.1661537887
## year2016:speciesND	1.385823e-03	-1.485875e-03	-0.1656616836
## year2017:speciesND	-1.712401e-03	-1.453718e-03	-0.1656932636
## year2018:speciesND	-1.277846e-02	-1.476867e-03	-0.1673795591
## year2012:speciesTS	-5.415464e-05	1.207922e-03	0.0014291298
## year2013:speciesTS	-4.648789e-04	1.548495e-03	0.0016065359
## year2015:speciesTS	6.622362e-04	1.199478e-03	0.0015565685
## year2016:speciesTS	-4.894752e-04	1.341834e-03	0.0014520440
## year2017:speciesTS	-1.731314e-04	1.306523e-03	0.0016334200
## year2018:speciesTS	1.848488e-03	1.312533e-03	0.0016303772
## year2012:sexM	4.951728e-05	-9.189476e-03	-0.0012643534
## year2013:sexM	-4.725997e-05	-8.437762e-03	-0.0010895299
## year2015:sexM	-2.945769e-04	-9.550678e-03	-0.0004249993
## year2016:sexM	-3.022646e-04	-9.641020e-03	-0.0004599142
## year2017:sexM	2.292257e-04	-9.397068e-03	-0.0006349875
## year2018:sexM	-1.404371e-03	-9.194959e-03	-0.0012097755
## year2012:shoreonshore	-5.814473e-04	-7.548792e-04	-0.0063191148
## year2013:shoreonshore	6.772988e-04	-8.729749e-04	-0.0063761612
## year2015:shoreonshore	-1.911297e-03	-7.831287e-04	-0.0118189174
## year2016:shoreonshore	1.455662e-03	-7.164523e-04	-0.0076418475
## year2017:shoreonshore	2.655420e-03	-9.709353e-04	-0.0075781426
## year2018:shoreonshore	-1.509188e-03	-6.490466e-04	-0.0087520714
## speciesTS shoreonshore year2012:regionnorth			
## (Intercept)	0.0028997780	-7.310835e-02	7.408411e-02
## year2012	-0.0029568155	8.834751e-03	-1.568639e-01
## year2013	0.0010086267	3.154270e-03	-5.686036e-04
## year2015	-0.0027106948	1.737211e-02	-4.860838e-02
## year2016	-0.0034117693	1.648201e-02	-4.585681e-02
## year2017	-0.0032991567	1.758091e-02	-5.629714e-02
## year2018	-0.0037044338	1.713666e-02	-4.869811e-02
## regionnorth	-0.0011294703	9.286334e-04	-8.726290e-02

## regionnorth_central	-0.0055022322	1.953879e-02	-7.320824e-02
## regionsouth	0.0005486651	-1.923234e-03	-2.777775e-02
## sexM	0.0001076196	5.136231e-04	-6.178354e-05
## speciesND	-0.0011220579	8.304804e-03	3.581388e-03
## speciesTS	0.0178533959	-1.054635e-02	1.283387e-03
## shoreonshore	-0.0105463466	1.183980e-01	-4.122289e-03
## year2012:regionnorth	0.0012833869	-4.122289e-03	2.213816e-01
## year2013:regionnorth	-0.0039524050	4.869689e-03	1.046998e-02
## year2015:regionnorth	0.0004017818	-7.168831e-03	5.048080e-02
## year2016:regionnorth	0.0017472959	-8.495677e-03	5.408308e-02
## year2017:regionnorth	-0.0005446090	-3.358377e-04	6.190947e-02
## year2018:regionnorth	0.0017824097	-7.553963e-03	5.236764e-02
## year2012:regionnorth_central	0.0051919049	-4.981792e-03	1.478816e-01
## year2016:regionnorth_central	0.0051260011	-1.245176e-02	4.394414e-02
## year2017:regionnorth_central	0.0051147502	-1.214724e-02	5.747474e-02
## year2018:regionnorth_central	0.0052107521	-1.308886e-02	4.746365e-02
## year2012:regionsouth	-0.0007150520	5.740931e-03	9.502913e-02
## year2015:regionsouth	-0.0004296981	-8.550114e-05	-1.490541e-03
## year2016:regionsouth	-0.0001890984	3.431993e-03	-1.151140e-03
## year2017:regionsouth	-0.0004601447	9.780271e-04	1.213321e-02
## sexM:speciesND	-0.0011534423	3.803172e-04	6.381351e-04
## sexM:speciesTS	-0.0041586396	5.617620e-04	9.506208e-04
## year2012:speciesND	0.0012084916	-1.036447e-02	-2.846703e-03
## year2013:speciesND	0.0016369900	-7.804991e-03	-5.558737e-03
## year2015:speciesND	0.0015073355	-8.462289e-03	-3.073005e-03
## year2016:speciesND	0.0014393533	-9.086004e-03	-5.863922e-03
## year2017:speciesND	0.0014671322	-8.987368e-03	-3.879488e-03
## year2018:speciesND	0.0017794491	-1.052215e-02	-3.768476e-03
## year2012:speciesTS	-0.0161900696	1.015301e-02	-3.997225e-03
## year2013:speciesTS	-0.0156205126	1.020800e-02	-6.632792e-04
## year2015:speciesTS	-0.0161178534	1.079464e-02	6.199544e-04
## year2016:speciesTS	-0.0163799879	1.125186e-02	-3.656987e-03
## year2017:speciesTS	-0.0156157732	1.048755e-02	-1.573455e-03
## year2018:speciesTS	-0.0149154696	9.877988e-03	-1.699789e-03
## year2012:sexM	0.0013225926	-6.147921e-04	-1.703720e-03
## year2013:sexM	0.0022321499	-4.863565e-04	-6.203415e-04
## year2015:sexM	0.0008820676	-6.169137e-04	-6.015782e-05
## year2016:sexM	0.0007314745	-4.191186e-04	-6.801998e-04
## year2017:sexM	0.0011000008	-1.268798e-03	-9.554464e-04
## year2018:sexM	0.0013831380	-7.117804e-04	-2.033031e-04
## year2012:shoreonshore	0.0100824420	-1.929849e-02	2.307626e-02
## year2013:shoreonshore	0.0102900136	-1.789744e-02	5.159218e-03
## year2015:shoreonshore	0.0093772622	-2.100689e-02	8.604256e-03
## year2016:shoreonshore	0.0107355233	-2.014357e-02	9.800733e-03
## year2017:shoreonshore	0.0102057760	-2.297304e-02	1.850909e-03
## year2018:shoreonshore	0.0099042108	-1.905344e-02	7.444918e-03
##	year2013:regionnorth	year2015:regionnorth	
## (Intercept)	-3.297252e-03	4.985605e-02	
## year2012	3.709054e-03	-4.683048e-02	
## year2013	-8.526959e-03	-1.538267e-03	
## year2015	3.131097e-03	-8.459879e-02	
## year2016	3.170893e-03	-4.791825e-02	
## year2017	2.753144e-03	-5.137095e-02	
## year2018	3.091590e-03	-5.090020e-02	



## regionnorth	-6.002452e-03	-5.162896e-02
## regionnorth_central	6.316747e-03	-4.722771e-02
## regionsouth	-1.213768e-05	1.126391e-03
## sexM	9.711383e-04	5.661258e-05
## speciesND	7.452251e-03	1.284079e-02
## speciesTS	-3.952405e-03	4.017818e-04
## shoreonshore	4.869689e-03	-7.168831e-03
## year2012:regionnorth	1.046998e-02	5.048080e-02
## year2013:regionnorth	5.031073e-02	4.398462e-03
## year2015:regionnorth	4.398462e-03	1.100872e-01
## year2016:regionnorth	7.216686e-03	5.653775e-02
## year2017:regionnorth	6.551601e-03	4.983045e-02
## year2018:regionnorth	7.475668e-03	5.417674e-02
## year2012:regionnorth_central	-6.521051e-03	4.503118e-02
## year2016:regionnorth_central	-6.362216e-03	4.466453e-02
## year2017:regionnorth_central	-6.430333e-03	4.770998e-02
## year2018:regionnorth_central	-6.371391e-03	4.863231e-02
## year2012:regionsouth	-1.440861e-04	-2.544125e-03
## year2015:regionsouth	1.142837e-05	2.976664e-02
## year2016:regionsouth	3.037250e-04	-4.308059e-03
## year2017:regionsouth	1.102896e-04	-1.720462e-03
## sexM:speciesND	4.399513e-05	4.745531e-04
## sexM:speciesTS	6.031680e-04	1.122856e-03
## year2012:speciesND	-7.750710e-03	-1.288735e-02
## year2013:speciesND	-2.330972e-03	-1.339223e-02
## year2015:speciesND	-7.480158e-03	-1.174850e-02
## year2016:speciesND	-8.106457e-03	-1.251879e-02
## year2017:speciesND	-7.835001e-03	-1.270338e-02
## year2018:speciesND	-7.737438e-03	-1.221431e-02
## year2012:speciesTS	3.715768e-03	-8.114274e-04
## year2013:speciesTS	-4.313197e-05	-9.818464e-04
## year2015:speciesTS	3.674273e-03	1.032249e-02
## year2016:speciesTS	3.178261e-03	-2.040397e-03
## year2017:speciesTS	4.013284e-03	-2.852501e-03
## year2018:speciesTS	2.969462e-03	-8.381723e-04
## year2012:sexM	-1.145171e-03	-4.880874e-04
## year2013:sexM	-2.807633e-03	-8.821100e-04
## year2015:sexM	-1.110894e-03	-3.697299e-03
## year2016:sexM	-1.189806e-03	1.830213e-04
## year2017:sexM	-1.054699e-03	-5.432200e-04
## year2018:sexM	-1.055792e-03	-4.700012e-04
## year2012:shoreonshore	-4.874573e-03	6.067674e-03
## year2013:shoreonshore	4.151381e-04	5.625743e-03
## year2015:shoreonshore	-4.519942e-03	1.087795e-02
## year2016:shoreonshore	-4.368186e-03	1.000976e-02
## year2017:shoreonshore	-3.993521e-03	1.157314e-02
## year2018:shoreonshore	-4.121491e-03	6.529577e-03
##	year2016:regionnorth	year2017:regionnorth
## (Intercept)	4.823832e-02	4.902566e-02
## year2012	-4.591434e-02	-5.832266e-02
## year2013	-1.712374e-03	-1.055563e-03
## year2015	-4.847511e-02	-4.587750e-02
## year2016	-6.754232e-02	-4.283479e-02
## year2017	-4.969225e-02	-5.308263e-02

## year2018	-4.892167e-02	-4.552606e-02
## regionnorth	-4.995977e-02	-5.779292e-02
## regionnorth_central	-4.556911e-02	-4.907585e-02
## regionsouth	1.530658e-03	-5.551403e-03
## sexM	2.559109e-04	4.337650e-04
## speciesND	1.048413e-02	3.299099e-03
## speciesTS	1.747296e-03	-5.446090e-04
## shoreonshore	-8.495677e-03	-3.358377e-04
## year2012:regionnorth	5.408308e-02	6.190947e-02
## year2013:regionnorth	7.216686e-03	6.551601e-03
## year2015:regionnorth	5.653775e-02	4.983045e-02
## year2016:regionnorth	9.256889e-02	4.670739e-02
## year2017:regionnorth	4.670739e-02	8.607822e-02
## year2018:regionnorth	5.246954e-02	4.996662e-02
## year2012:regionnorth_central	4.404844e-02	5.749988e-02
## year2016:regionnorth_central	6.237271e-02	4.125347e-02
## year2017:regionnorth_central	4.584641e-02	5.512714e-02
## year2018:regionnorth_central	4.688369e-02	4.399277e-02
## year2012:regionsouth	-1.820634e-03	1.383422e-02
## year2015:regionsouth	-9.685379e-04	-1.215667e-03
## year2016:regionsouth	1.156500e-02	-1.997612e-03
## year2017:regionsouth	-1.203498e-03	1.269555e-02
## sexM:speciesND	-5.160574e-05	1.443214e-06
## sexM:speciesTS	3.585745e-04	7.915892e-04
## year2012:speciesND	-1.062398e-02	-3.463029e-03
## year2013:speciesND	-1.226067e-02	-2.890012e-03
## year2015:speciesND	-9.843367e-03	-2.694762e-03
## year2016:speciesND	-6.791280e-03	-4.473936e-03
## year2017:speciesND	-1.065158e-02	-3.982722e-03
## year2018:speciesND	-9.713152e-03	-4.156737e-03
## year2012:speciesTS	-2.085446e-03	1.581257e-04
## year2013:speciesTS	-1.955152e-03	-5.844225e-05
## year2015:speciesTS	-6.966552e-04	1.947418e-03
## year2016:speciesTS	-1.233847e-02	-3.540215e-04
## year2017:speciesTS	-2.725379e-03	-6.613891e-04
## year2018:speciesTS	-2.009365e-03	-8.635473e-04
## year2012:sexM	-4.199429e-04	-7.498631e-04
## year2013:sexM	-6.270778e-04	-8.185296e-04
## year2015:sexM	-3.598751e-04	-4.710856e-04
## year2016:sexM	-5.739765e-04	-4.767622e-04
## year2017:sexM	-1.014093e-04	-1.883675e-03
## year2018:sexM	-1.353783e-04	-3.885487e-04
## year2012:shoreonshore	7.543454e-03	2.543843e-03
## year2013:shoreonshore	6.756657e-03	3.381083e-03
## year2015:shoreonshore	8.108239e-03	6.303220e-03
## year2016:shoreonshore	2.217874e-02	5.785400e-03
## year2017:shoreonshore	1.157838e-02	-2.886090e-03
## year2018:shoreonshore	7.518069e-03	4.817612e-03
##	year2018:regionnorth	year2012:regionnorth_central
## (Intercept)	0.0496801277	7.467625e-02
## year2012	-0.0460646911	-1.504164e-01
## year2013	-0.0012472968	1.703828e-03
## year2015	-0.0501845757	-5.067173e-02
## year2016	-0.0465484992	-4.827095e-02

## year2017	-0.0515550197	-5.844897e-02
## year2018	-0.0720546755	-5.126693e-02
## regionnorth	-0.0519460158	-7.389753e-02
## regionnorth_central	-0.0475995023	-7.903280e-02
## regionsouth	0.0234928225	-2.719821e-02
## sexM	0.0005501682	-8.562772e-04
## speciesND	0.0057446183	-4.373436e-03
## speciesTS	0.0017824097	5.191905e-03
## shoreonshore	-0.0075539628	-4.981792e-03
## year2012:regionnorth	0.0523676408	1.478816e-01
## year2013:regionnorth	0.0074756677	-6.521051e-03
## year2015:regionnorth	0.0541767419	4.503118e-02
## year2016:regionnorth	0.0524695394	4.404844e-02
## year2017:regionnorth	0.0499666241	5.749988e-02
## year2018:regionnorth	0.0918007415	4.521624e-02
## year2012:regionnorth_central	0.0452162438	1.542426e-01
## year2016:regionnorth_central	0.0446680545	4.932553e-02
## year2017:regionnorth_central	0.0480725714	6.215729e-02
## year2018:regionnorth_central	0.0707463597	5.232102e-02
## year2012:regionsouth	-0.0253121407	9.421390e-02
## year2015:regionsouth	-0.0239636838	-1.525727e-03
## year2016:regionsouth	-0.0259325068	-1.704847e-03
## year2017:regionsouth	-0.0240588203	1.169460e-02
## sexM:speciesND	-0.0002087477	2.214690e-04
## sexM:speciesTS	0.0007864143	7.217637e-04
## year2012:speciesND	-0.0057805719	2.354698e-03
## year2013:speciesND	-0.0059442762	3.862832e-03
## year2015:speciesND	-0.0048177036	5.003188e-03
## year2016:speciesND	-0.0076295501	2.843154e-03
## year2017:speciesND	-0.0057362760	3.950598e-03
## year2018:speciesND	-0.0042390783	3.829691e-03
## year2012:speciesTS	-0.0020594974	-7.816380e-03
## year2013:speciesTS	-0.0022936082	-5.199200e-03
## year2015:speciesTS	0.0000503174	-3.379461e-03
## year2016:speciesTS	-0.0040375178	-6.778694e-03
## year2017:speciesTS	-0.0028035088	-5.089684e-03
## year2018:speciesTS	0.0004242800	-4.779862e-03
## year2012:sexM	-0.0008685571	-1.363595e-03
## year2013:sexM	-0.0011886106	1.389853e-04
## year2015:sexM	-0.0006028848	8.098864e-04
## year2016:sexM	-0.0006765770	6.562955e-04
## year2017:sexM	-0.0001354975	8.263253e-06
## year2018:sexM	-0.0016889315	7.009125e-04
## year2012:shoreonshore	0.0056004415	1.793254e-02
## year2013:shoreonshore	0.0062044552	1.107320e-02
## year2015:shoreonshore	0.0077488977	1.197569e-02
## year2016:shoreonshore	0.0095358060	1.334965e-02
## year2017:shoreonshore	0.0112403794	5.165950e-03
## year2018:shoreonshore	0.0042011557	1.163715e-02
##	year2016:regionnorth_central	
## (Intercept)	0.0505848805	
## year2012	-0.0476274189	
## year2013	0.0019596396	
## year2015	-0.0510532719	

```

## year2016 -0.0657492810
## year2017 -0.0515184199
## year2018 -0.0511469063
## regionnorth -0.0432013401
## regionnorth_central -0.0508940260
## regionsouth 0.0007671669
## sexM -0.0009115920
## speciesND -0.0052660267
## speciesTS 0.0051260011
## shoreonshore -0.0124517631
## year2012:regionnorth 0.0439441406
## year2013:regionnorth -0.0063622159
## year2015:regionnorth 0.0446645344
## year2016:regionnorth 0.0623727099
## year2017:regionnorth 0.0412534711
## year2018:regionnorth 0.0446680545
## year2012:regionnorth_central 0.0493255311
## year2016:regionnorth_central 0.0721993070
## year2017:regionnorth_central 0.0510079188
## year2018:regionnorth_central 0.0519230316
## year2012:regionsouth -0.0011423305
## year2015:regionsouth -0.0008692029
## year2016:regionsouth 0.0116012408
## year2017:regionsouth -0.0009142570
## sexM:speciesND 0.0009532081
## sexM:speciesTS 0.0004519523
## year2012:speciesND 0.0053651535
## year2013:speciesND 0.0039117086
## year2015:speciesND 0.0055658015
## year2016:speciesND 0.0057910664
## year2017:speciesND 0.0053816115
## year2018:speciesND 0.0058638602
## year2012:speciesTS -0.0055402338
## year2013:speciesTS -0.0053193079
## year2015:speciesTS -0.0043190276
## year2016:speciesTS -0.0131729224
## year2017:speciesTS -0.0063094771
## year2018:speciesTS -0.0054329725
## year2012:sexM 0.0006768281
## year2013:sexM 0.0003249578
## year2015:sexM 0.0006820961
## year2016:sexM -0.0004312864
## year2017:sexM 0.0010575755
## year2018:sexM 0.0008586651
## year2012:shoreonshore 0.0105250282
## year2013:shoreonshore 0.0100835640
## year2015:shoreonshore 0.0134973942
## year2016:shoreonshore 0.0210298934
## year2017:shoreonshore 0.0146454738
## year2018:shoreonshore 0.0121324335
## year2017:regionnorth_central
## (Intercept) 0.0575772172
## year2012 -0.0613193152
## year2013 0.0020289205

```

```

## year2015 -0.0544427570
## year2016 -0.0504613397
## year2017 -0.0672036272
## year2018 -0.0546049655
## regionnorth -0.0503867323
## regionnorth_central -0.0582932040
## regionsouth -0.0035217453
## sexM -0.0009301877
## speciesND -0.0045982139
## speciesTS 0.0051147502
## shoreonshore -0.0121472381
## year2012:regionnorth 0.0574747381
## year2013:regionnorth -0.0064303329
## year2015:regionnorth 0.0477099793
## year2016:regionnorth 0.0458464114
## year2017:regionnorth 0.0551271368
## year2018:regionnorth 0.0480725714
## year2012:regionnorth_central 0.0621572946
## year2016:regionnorth_central 0.0510079188
## year2017:regionnorth_central 0.0758859931
## year2018:regionnorth_central 0.0550927338
## year2012:regionsouth 0.0086309764
## year2015:regionsouth -0.0016909634
## year2016:regionsouth -0.0036077446
## year2017:regionsouth 0.0110909182
## sexM:speciesND -0.0012089669
## sexM:speciesTS 0.0007887853
## year2012:speciesND 0.0048448645
## year2013:speciesND 0.0044364556
## year2015:speciesND 0.0055888505
## year2016:speciesND 0.0028444748
## year2017:speciesND 0.0027993088
## year2018:speciesND 0.0053487314
## year2012:speciesTS -0.0052783918
## year2013:speciesTS -0.0049999738
## year2015:speciesTS -0.0037301454
## year2016:speciesTS -0.0069578624
## year2017:speciesTS -0.0089337951
## year2018:speciesTS -0.0058819403
## year2012:sexM 0.0007180015
## year2013:sexM 0.0001566040
## year2015:sexM 0.0009985833
## year2016:sexM 0.0008679754
## year2017:sexM 0.0031323378
## year2018:sexM 0.0010538264
## year2012:shoreonshore 0.0112084885
## year2013:shoreonshore 0.0097079437
## year2015:shoreonshore 0.0144013975
## year2016:shoreonshore 0.0144062731
## year2017:shoreonshore 0.0164693295
## year2018:shoreonshore 0.0122717950
## year2018:regionnorth_central year2012:regionsouth
## (Intercept) 0.0544193024 2.261310e-02
## year2012 -0.0509836244 -9.503540e-02

```

## year2013	0.0018201072	2.607253e-04
## year2015	-0.0550691842	1.153011e-03
## year2016	-0.0511878053	1.315845e-03
## year2017	-0.0559563863	-5.426182e-03
## year2018	-0.0758727829	2.383039e-02
## regionnorth	-0.0465718157	-2.701055e-02
## regionnorth_central	-0.0545887434	-2.502461e-02
## regionsouth	0.0228536037	-6.485932e-02
## sexM	-0.0007550022	-1.301312e-04
## speciesND	-0.0045930808	-8.748207e-04
## speciesTS	0.0052107521	-7.150520e-04
## shoreonshore	-0.0130888609	5.740931e-03
## year2012:regionnorth	0.0474636455	9.502913e-02
## year2013:regionnorth	-0.0063713907	-1.440861e-04
## year2015:regionnorth	0.0486323095	-2.544125e-03
## year2016:regionnorth	0.0468836922	-1.820634e-03
## year2017:regionnorth	0.0439927684	1.383422e-02
## year2018:regionnorth	0.0707463597	-2.531214e-02
## year2012:regionnorth_central	0.0523210173	9.421390e-02
## year2016:regionnorth_central	0.0519230316	-1.142331e-03
## year2017:regionnorth_central	0.0550927338	8.630976e-03
## year2018:regionnorth_central	0.0837753639	-2.429725e-02
## year2012:regionsouth	-0.0242972510	1.410959e-01
## year2015:regionsouth	-0.0236848813	3.514234e-02
## year2016:regionsouth	-0.0257393962	3.461741e-02
## year2017:regionsouth	-0.0235720726	4.878048e-02
## sexM:speciesND	-0.0002940197	2.697751e-04
## sexM:speciesTS	0.0002703237	2.634656e-04
## year2012:speciesND	0.0047465071	-2.636578e-03
## year2013:speciesND	0.0042334459	8.435328e-04
## year2015:speciesND	0.0055238802	5.305333e-04
## year2016:speciesND	0.0027918680	1.026621e-03
## year2017:speciesND	0.0048514936	2.048291e-03
## year2018:speciesND	0.0046835268	1.394328e-02
## year2012:speciesTS	-0.0054473013	4.368078e-04
## year2013:speciesTS	-0.0050909817	8.181904e-04
## year2015:speciesTS	-0.0033961232	-1.666984e-03
## year2016:speciesTS	-0.0071624524	9.367201e-04
## year2017:speciesTS	-0.0065975632	5.030824e-04
## year2018:speciesTS	-0.0073552393	-2.189406e-03
## year2012:sexM	0.0006027949	-7.708949e-04
## year2013:sexM	0.0003313324	1.270191e-04
## year2015:sexM	0.0008060785	9.380788e-05
## year2016:sexM	0.0006633192	-1.166274e-05
## year2017:sexM	0.0012789464	-9.582562e-04
## year2018:sexM	0.0001562983	1.354373e-03
## year2012:shoreonshore	0.0111303149	1.615841e-03
## year2013:shoreonshore	0.0103270872	-1.061381e-03
## year2015:shoreonshore	0.0142925191	3.379969e-03
## year2016:shoreonshore	0.0150848521	-7.774248e-04
## year2017:shoreonshore	0.0163724002	-7.754342e-03
## year2018:shoreonshore	0.0108434412	1.949274e-03
##	year2015:regionsouth	year2016:regionsouth
## (Intercept)	-1.326999e-03	-5.058079e-03

## year2012	1.381038e-03	1.386476e-03
## year2013	1.372546e-04	-1.453688e-04
## year2015	-2.762223e-02	4.736646e-03
## year2016	5.871871e-04	-1.013038e-02
## year2017	1.885795e-03	4.467913e-03
## year2018	2.323074e-02	2.560819e-02
## regionnorth	1.491574e-03	2.631243e-03
## regionnorth_central	1.598194e-03	3.467742e-03
## regionsouth	-3.439978e-02	-3.749138e-02
## sexM	-2.048674e-04	-2.043557e-04
## speciesND	-3.400725e-04	-2.664719e-04
## speciesTS	-4.296981e-04	-1.890984e-04
## shoreonshore	-8.550114e-05	3.431993e-03
## year2012:regionnorth	-1.490541e-03	-1.151140e-03
## year2013:regionnorth	1.142837e-05	3.037250e-04
## year2015:regionnorth	2.976664e-02	-4.308059e-03
## year2016:regionnorth	-9.685379e-04	1.156500e-02
## year2017:regionnorth	-1.215667e-03	-1.997612e-03
## year2018:regionnorth	-2.396368e-02	-2.593251e-02
## year2012:regionnorth_central	-1.525727e-03	-1.704847e-03
## year2016:regionnorth_central	-8.692029e-04	1.160124e-02
## year2017:regionnorth_central	-1.690963e-03	-3.607745e-03
## year2018:regionnorth_central	-2.368488e-02	-2.573940e-02
## year2012:regionsouth	3.514234e-02	3.461741e-02
## year2015:regionsouth	7.515409e-02	3.323691e-02
## year2016:regionsouth	3.323691e-02	8.345721e-02
## year2017:regionsouth	3.367723e-02	3.496292e-02
## sexM:speciesND	8.947791e-04	1.030621e-03
## sexM:speciesTS	4.797705e-04	4.005738e-04
## year2012:speciesND	5.867251e-04	-1.243889e-05
## year2013:speciesND	3.188592e-05	2.268995e-04
## year2015:speciesND	-9.041212e-03	-5.187052e-04
## year2016:speciesND	1.935136e-03	-1.069147e-02
## year2017:speciesND	7.576764e-04	2.689436e-04
## year2018:speciesND	1.214152e-02	1.026661e-02
## year2012:speciesTS	2.914210e-04	3.712936e-05
## year2013:speciesTS	1.835713e-04	2.039558e-04
## year2015:speciesTS	-2.508740e-03	4.626416e-04
## year2016:speciesTS	6.014871e-04	-2.747273e-03
## year2017:speciesTS	-3.992655e-04	6.749798e-04
## year2018:speciesTS	-1.260450e-03	-1.061333e-03
## year2012:sexM	4.454230e-05	1.199539e-05
## year2013:sexM	-5.893616e-05	-2.420915e-06
## year2015:sexM	-2.446178e-03	1.729433e-04
## year2016:sexM	2.440290e-04	4.478259e-04
## year2017:sexM	-3.490172e-04	-1.353046e-04
## year2018:sexM	1.061924e-03	1.378362e-03
## year2012:shoreonshore	-1.009513e-04	4.853224e-04
## year2013:shoreonshore	-3.130394e-04	-4.178951e-05
## year2015:shoreonshore	-1.188129e-03	-1.721747e-03
## year2016:shoreonshore	-4.034605e-04	1.758556e-03
## year2017:shoreonshore	-2.168039e-04	-2.676671e-03
## year2018:shoreonshore	9.251897e-04	1.533369e-04
##	year2017:regionsouth	sexM:speciesND sexM:speciesTS

## (Intercept)	3.280651e-03	1.503409e-04	1.808537e-03
## year2012	-1.237815e-02	-3.975399e-04	-7.607151e-04
## year2013	1.166645e-04	4.259215e-04	5.354288e-04
## year2015	1.204912e-03	8.211584e-04	-1.411337e-03
## year2016	9.226919e-04	4.613516e-04	-1.050271e-03
## year2017	-8.464310e-03	1.759966e-03	-1.343632e-03
## year2018	2.291432e-02	4.317657e-04	-6.146878e-04
## regionnorth	-4.337534e-03	-5.722101e-05	-9.062863e-04
## regionnorth_central	-3.470414e-03	2.753544e-04	-3.594373e-04
## regionsouth	-4.024314e-02	5.173221e-04	-2.969240e-04
## sexM	-1.311843e-04	-1.365065e-03	-3.325909e-03
## speciesND	-3.529843e-04	-8.865710e-03	-7.901276e-04
## speciesTS	-4.601447e-04	-1.153442e-03	-4.158640e-03
## shoreonshore	9.780271e-04	3.803172e-04	5.617620e-04
## year2012:regionnorth	1.213321e-02	6.381351e-04	9.506208e-04
## year2013:regionnorth	1.102896e-04	4.399513e-05	6.031680e-04
## year2015:regionnorth	-1.720462e-03	4.745531e-04	1.122856e-03
## year2016:regionnorth	-1.203498e-03	-5.160574e-05	3.585745e-04
## year2017:regionnorth	1.269555e-02	1.443214e-06	7.915892e-04
## year2018:regionnorth	-2.405882e-02	-2.087477e-04	7.864143e-04
## year2012:regionnorth_central	1.169460e-02	2.214690e-04	7.217637e-04
## year2016:regionnorth_central	-9.142570e-04	9.532081e-04	4.519523e-04
## year2017:regionnorth_central	1.109092e-02	-1.208967e-03	7.887853e-04
## year2018:regionnorth_central	-2.357207e-02	-2.940197e-04	2.703237e-04
## year2012:regionsouth	4.878048e-02	2.697751e-04	2.634656e-04
## year2015:regionsouth	3.367723e-02	8.947791e-04	4.797705e-04
## year2016:regionsouth	3.496292e-02	1.030621e-03	4.005738e-04
## year2017:regionsouth	6.214142e-02	-1.012722e-04	3.596412e-04
## sexM:speciesND	-1.012722e-04	2.856472e-02	2.436624e-03
## sexM:speciesTS	3.596412e-04	2.436624e-03	8.419781e-03
## year2012:speciesND	1.006433e-03	2.872151e-03	-2.113568e-04
## year2013:speciesND	4.621749e-04	2.600906e-03	-6.212814e-04
## year2015:speciesND	-2.758645e-04	3.091086e-03	4.486526e-05
## year2016:speciesND	3.392654e-04	3.131986e-03	-5.795784e-05
## year2017:speciesND	-6.406200e-03	1.223560e-03	-8.907688e-05
## year2018:speciesND	1.217165e-02	5.587372e-03	-2.053065e-04
## year2012:speciesTS	5.563789e-04	2.253489e-04	9.740178e-04
## year2013:speciesTS	-1.162784e-05	1.291461e-04	-4.474860e-05
## year2015:speciesTS	1.771111e-04	4.949853e-04	8.380687e-04
## year2016:speciesTS	5.685383e-04	3.779005e-04	5.755704e-04
## year2017:speciesTS	3.158737e-04	4.232098e-04	8.814214e-04
## year2018:speciesTS	-1.715703e-03	2.136705e-04	7.830133e-04
## year2012:sexM	1.322893e-05	-5.739209e-04	2.396638e-04
## year2013:sexM	-3.402836e-05	-7.983835e-04	-1.599156e-03
## year2015:sexM	6.703656e-05	-3.480524e-03	1.290637e-03
## year2016:sexM	1.624208e-06	-2.805213e-03	1.507631e-03
## year2017:sexM	1.594748e-03	-3.178964e-03	9.265512e-04
## year2018:sexM	1.409357e-03	-5.574844e-04	2.814512e-04
## year2012:shoreonshore	6.368236e-04	3.911447e-04	-4.780044e-04
## year2013:shoreonshore	-6.297149e-05	-1.917270e-04	4.209139e-04
## year2015:shoreonshore	1.036384e-03	-3.585229e-04	-3.624351e-04
## year2016:shoreonshore	-5.766610e-04	-5.732068e-05	-6.932824e-04
## year2017:shoreonshore	-4.976492e-03	-2.941380e-04	1.520370e-04
## year2018:shoreonshore	1.522087e-03	-6.603024e-05	-4.289793e-04



	year2012:speciesND	year2013:speciesND
##		
## (Intercept)	9.596845e-03	7.867876e-03
## year2012	-9.411255e-03	-5.702716e-03
## year2013	-1.741753e-03	-1.613775e-02
## year2015	-1.016387e-02	-9.123349e-03
## year2016	-7.429537e-03	-6.599484e-03
## year2017	-8.175800e-03	-7.242964e-03
## year2018	-8.350322e-03	-7.980284e-03
## regionnorth	4.350679e-03	4.700168e-03
## regionnorth_central	-4.864201e-03	-4.741660e-03
## regionsouth	-4.315007e-03	-4.279847e-04
## sexM	-1.438664e-03	-1.038157e-03
## speciesND	-1.663550e-01	-1.661625e-01
## speciesTS	1.208492e-03	1.636990e-03
## shoreonshore	-1.036447e-02	-7.804991e-03
## year2012:regionnorth	-2.846703e-03	-5.558737e-03
## year2013:regionnorth	-7.750710e-03	-2.330972e-03
## year2015:regionnorth	-1.288735e-02	-1.339223e-02
## year2016:regionnorth	-1.062398e-02	-1.226067e-02
## year2017:regionnorth	-3.463029e-03	-2.890012e-03
## year2018:regionnorth	-5.780572e-03	-5.944276e-03
## year2012:regionnorth_central	2.354698e-03	3.862832e-03
## year2016:regionnorth_central	5.365153e-03	3.911709e-03
## year2017:regionnorth_central	4.844864e-03	4.436456e-03
## year2018:regionnorth_central	4.746507e-03	4.233446e-03
## year2012:regionsouth	-2.636578e-03	8.435328e-04
## year2015:regionsouth	5.867251e-04	3.188592e-05
## year2016:regionsouth	-1.243889e-05	2.268995e-04
## year2017:regionsouth	1.006433e-03	4.621749e-04
## sexM:speciesND	2.872151e-03	2.600906e-03
## sexM:speciesTS	-2.113568e-04	-6.212814e-04
## year2012:speciesND	2.116758e-01	1.649317e-01
## year2013:speciesND	1.649317e-01	2.938444e-01
## year2015:speciesND	1.655348e-01	1.655577e-01
## year2016:speciesND	1.655549e-01	1.641437e-01
## year2017:speciesND	1.661235e-01	1.649861e-01
## year2018:speciesND	1.673590e-01	1.660136e-01
## year2012:speciesTS	2.291652e-03	-1.199882e-03
## year2013:speciesTS	-1.756485e-03	9.162876e-03
## year2015:speciesTS	-1.589335e-03	-1.606832e-03
## year2016:speciesTS	-1.461303e-03	8.663439e-04
## year2017:speciesTS	-1.712454e-03	-1.722409e-03
## year2018:speciesTS	-1.661187e-03	-1.849407e-03
## year2012:sexM	3.114877e-03	1.157385e-03
## year2013:sexM	1.359302e-03	4.359848e-03
## year2015:sexM	1.164682e-03	7.965573e-04
## year2016:sexM	8.585576e-04	8.443623e-04
## year2017:sexM	1.372005e-03	9.253421e-04
## year2018:sexM	1.184567e-03	1.340369e-03
## year2012:shoreonshore	7.741452e-03	5.306120e-03
## year2013:shoreonshore	5.812944e-03	7.447053e-03
## year2015:shoreonshore	1.277853e-02	1.161301e-02
## year2016:shoreonshore	7.191278e-03	6.684134e-03
## year2017:shoreonshore	7.964726e-03	7.081873e-03

## year2018:shoreonshore	8.672102e-03	8.636274e-03
##	year2015:speciesND	year2016:speciesND
## (Intercept)	9.367884e-03	7.263445e-03
## year2012	-7.233793e-03	-5.167304e-03
## year2013	-2.439239e-03	-2.093910e-03
## year2015	-1.606411e-02	-9.426196e-03
## year2016	-8.264305e-03	-1.518326e-02
## year2017	-8.722462e-03	-5.420265e-03
## year2018	-9.232615e-03	-6.136911e-03
## regionnorth	3.664323e-03	6.075976e-03
## regionnorth_central	-5.782733e-03	-3.246361e-03
## regionsouth	-1.628295e-04	1.385823e-03
## sexM	-1.525554e-03	-1.485875e-03
## speciesND	-1.661538e-01	-1.656617e-01
## speciesTS	1.507335e-03	1.439353e-03
## shoreonshore	-8.462289e-03	-9.086004e-03
## year2012:regionnorth	-3.073005e-03	-5.863922e-03
## year2013:regionnorth	-7.480158e-03	-8.106457e-03
## year2015:regionnorth	-1.174850e-02	-1.251879e-02
## year2016:regionnorth	-9.843367e-03	-6.791280e-03
## year2017:regionnorth	-2.694762e-03	-4.473936e-03
## year2018:regionnorth	-4.817704e-03	-7.629550e-03
## year2012:regionnorth_central	5.003188e-03	2.843154e-03
## year2016:regionnorth_central	5.565802e-03	5.791066e-03
## year2017:regionnorth_central	5.588850e-03	2.844475e-03
## year2018:regionnorth_central	5.523880e-03	2.791868e-03
## year2012:regionsouth	5.305333e-04	1.026621e-03
## year2015:regionsouth	-9.041212e-03	1.935136e-03
## year2016:regionsouth	-5.187052e-04	-1.069147e-02
## year2017:regionsouth	-2.758645e-04	3.392654e-04
## sexM:speciesND	3.091086e-03	3.131986e-03
## sexM:speciesTS	4.486526e-05	-5.795784e-05
## year2012:speciesND	1.655348e-01	1.655549e-01
## year2013:speciesND	1.655577e-01	1.641437e-01
## year2015:speciesND	1.942642e-01	1.651176e-01
## year2016:speciesND	1.651176e-01	1.908899e-01
## year2017:speciesND	1.654084e-01	1.647941e-01
## year2018:speciesND	1.653966e-01	1.656816e-01
## year2012:speciesTS	-1.732316e-03	-1.524784e-03
## year2013:speciesTS	-1.658016e-03	-1.940742e-03
## year2015:speciesTS	8.028754e-03	-1.622118e-03
## year2016:speciesTS	-1.614377e-03	1.233748e-03
## year2017:speciesTS	-1.945611e-03	-1.824751e-03
## year2018:speciesTS	-1.613501e-03	-1.309698e-03
## year2012:sexM	1.362311e-03	1.403484e-03
## year2013:sexM	1.298672e-03	1.327578e-03
## year2015:sexM	4.514858e-03	9.602815e-04
## year2016:sexM	1.007350e-03	2.551277e-03
## year2017:sexM	1.295361e-03	1.048794e-03
## year2018:sexM	1.298908e-03	1.070229e-03
## year2012:shoreonshore	6.246788e-03	6.102502e-03
## year2013:shoreonshore	6.449474e-03	6.371462e-03
## year2015:shoreonshore	1.538675e-02	1.150265e-02
## year2016:shoreonshore	8.032787e-03	1.309158e-02

## year2017:shoreonshore	7.848606e-03	6.507174e-03
## year2018:shoreonshore	8.689260e-03	8.035332e-03
##	year2017:speciesND	year2018:speciesND
## (Intercept)	8.674807e-03	0.0098488804
## year2012	-6.453765e-03	-0.0066691696
## year2013	-2.279842e-03	-0.0023262420
## year2015	-1.028455e-02	-0.0113684303
## year2016	-7.299949e-03	-0.0084493045
## year2017	-1.316774e-02	-0.0093212951
## year2018	-8.257685e-03	-0.0098325503
## regionnorth	5.292984e-03	0.0045146098
## regionnorth_central	-4.940551e-03	-0.0053398604
## regionsouth	-1.712401e-03	-0.0127784568
## sexM	-1.453718e-03	-0.0014768673
## speciesND	-1.656933e-01	-0.1673795591
## speciesTS	1.467132e-03	0.0017794491
## shoreonshore	-8.987368e-03	-0.0105221505
## year2012:regionnorth	-3.879488e-03	-0.0037684755
## year2013:regionnorth	-7.835001e-03	-0.0077374375
## year2015:regionnorth	-1.270338e-02	-0.0122143144
## year2016:regionnorth	-1.065158e-02	-0.0097131525
## year2017:regionnorth	-3.982722e-03	-0.0041567368
## year2018:regionnorth	-5.736276e-03	-0.0042390783
## year2012:regionnorth_central	3.950598e-03	0.0038296910
## year2016:regionnorth_central	5.381612e-03	0.0058638602
## year2017:regionnorth_central	2.799309e-03	0.0053487314
## year2018:regionnorth_central	4.851494e-03	0.0046835268
## year2012:regionsouth	2.048291e-03	0.0139432751
## year2015:regionsouth	7.576764e-04	0.0121415183
## year2016:regionsouth	2.689436e-04	0.0102666092
## year2017:regionsouth	-6.406200e-03	0.0121716549
## sexM:speciesND	1.223560e-03	0.0055873719
## sexM:speciesTS	-8.907688e-05	-0.0002053065
## year2012:speciesND	1.661235e-01	0.1673590033
## year2013:speciesND	1.649861e-01	0.1660135968
## year2015:speciesND	1.654084e-01	0.1653966067
## year2016:speciesND	1.647941e-01	0.1656815738
## year2017:speciesND	1.916330e-01	0.1669444860
## year2018:speciesND	1.669445e-01	0.2070844624
## year2012:speciesTS	-1.463364e-03	-0.0013743191
## year2013:speciesTS	-3.069921e-04	-0.0017744555
## year2015:speciesTS	-1.629621e-03	-0.0037654314
## year2016:speciesTS	-2.076018e-03	-0.0019227159
## year2017:speciesTS	1.535893e-03	-0.0025369341
## year2018:speciesTS	-1.771070e-03	0.0017590535
## year2012:sexM	1.386902e-03	0.0013480602
## year2013:sexM	1.477061e-03	0.0012468102
## year2015:sexM	1.585557e-03	0.0007743038
## year2016:sexM	1.273925e-03	0.0006427878
## year2017:sexM	2.425654e-03	0.0008048595
## year2018:sexM	1.315835e-03	0.0043321767
## year2012:shoreonshore	6.532580e-03	0.0070709192
## year2013:shoreonshore	5.074550e-03	0.0063478184
## year2015:shoreonshore	1.212553e-02	0.0157375633

## year2016:shoreonshore	7.173542e-03	0.0086276341
## year2017:shoreonshore	1.180565e-02	0.0103416802
## year2018:shoreonshore	8.681482e-03	0.0052055289
##	year2012:speciesTS	year2013:speciesTS
## (Intercept)	-4.022036e-03	-3.859424e-03
## year2012	1.806625e-03	2.741066e-03
## year2013	-1.183847e-03	-9.730437e-03
## year2015	3.249864e-03	3.558520e-03
## year2016	4.061422e-03	4.202030e-03
## year2017	3.788915e-03	3.959771e-03
## year2018	3.985185e-03	4.123515e-03
## regionnorth	1.351157e-03	1.495351e-03
## regionnorth_central	5.512488e-03	5.453808e-03
## regionsouth	-5.415464e-05	-4.648789e-04
## sexM	1.207922e-03	1.548495e-03
## speciesND	1.429130e-03	1.606536e-03
## speciesTS	-1.619007e-02	-1.562051e-02
## shoreonshore	1.015301e-02	1.020800e-02
## year2012:regionnorth	-3.997225e-03	-6.632792e-04
## year2013:regionnorth	3.715768e-03	-4.313197e-05
## year2015:regionnorth	-8.114274e-04	-9.818464e-04
## year2016:regionnorth	-2.085446e-03	-1.955152e-03
## year2017:regionnorth	1.581257e-04	-5.844225e-05
## year2018:regionnorth	-2.059497e-03	-2.293608e-03
## year2012:regionnorth_central	-7.816380e-03	-5.199200e-03
## year2016:regionnorth_central	-5.540234e-03	-5.319308e-03
## year2017:regionnorth_central	-5.278392e-03	-4.999974e-03
## year2018:regionnorth_central	-5.447301e-03	-5.090982e-03
## year2012:regionsouth	4.368078e-04	8.181904e-04
## year2015:regionsouth	2.914210e-04	1.835713e-04
## year2016:regionsouth	3.712936e-05	2.039558e-04
## year2017:regionsouth	5.563789e-04	-1.162784e-05
## sexM:speciesND	2.253489e-04	1.291461e-04
## sexM:speciesTS	9.740178e-04	-4.474860e-05
## year2012:speciesND	2.291652e-03	-1.756485e-03
## year2013:speciesND	-1.199882e-03	9.162876e-03
## year2015:speciesND	-1.732316e-03	-1.658016e-03
## year2016:speciesND	-1.524784e-03	-1.940742e-03
## year2017:speciesND	-1.463364e-03	-3.069921e-04
## year2018:speciesND	-1.374319e-03	-1.774456e-03
## year2012:speciesTS	2.638820e-02	1.563045e-02
## year2013:speciesTS	1.563045e-02	6.572547e-02
## year2015:speciesTS	1.570593e-02	1.557620e-02
## year2016:speciesTS	1.604381e-02	1.616085e-02
## year2017:speciesTS	1.531290e-02	1.506880e-02
## year2018:speciesTS	1.458681e-02	1.437566e-02
## year2012:sexM	-9.968791e-04	-1.502168e-03
## year2013:sexM	-1.706421e-03	-5.057433e-03
## year2015:sexM	-1.420546e-03	-1.535274e-03
## year2016:sexM	-1.327811e-03	-1.373128e-03
## year2017:sexM	-1.616171e-03	-1.561892e-03
## year2018:sexM	-1.592617e-03	-1.317398e-03
## year2012:shoreonshore	-1.142152e-02	-9.229250e-03
## year2013:shoreonshore	-1.055037e-02	-4.937588e-02

## year2015:shoreonshore	-9.113537e-03	-9.264580e-03
## year2016:shoreonshore	-1.074417e-02	-1.059570e-02
## year2017:shoreonshore	-1.007325e-02	-1.027001e-02
## year2018:shoreonshore	-9.763883e-03	-9.814021e-03
##	year2015:speciesTS	year2016:speciesTS
## (Intercept)	-0.0020747558	-0.0056288227
## year2012	0.0010024695	0.0045192688
## year2013	-0.0012401250	-0.0011338616
## year2015	-0.0080221299	0.0050459051
## year2016	0.0027390722	0.0076322185
## year2017	0.0022978193	0.0062894570
## year2018	0.0019841950	0.0060883533
## regionnorth	-0.0004740921	0.0028924790
## regionnorth_central	0.0038168248	0.0073788654
## regionsouth	0.0006622362	-0.0004894752
## sexM	0.0011994777	0.0013418345
## speciesND	0.0015565685	0.0014520440
## speciesTS	-0.0161178534	-0.0163799879
## shoreonshore	0.0107946383	0.0112518557
## year2012:regionnorth	0.0006199544	-0.0036569869
## year2013:regionnorth	0.0036742734	0.0031782613
## year2015:regionnorth	0.0103224860	-0.0020403971
## year2016:regionnorth	-0.0006966552	-0.0123384663
## year2017:regionnorth	0.0019474178	-0.0003540215
## year2018:regionnorth	0.0000503174	-0.0040375178
## year2012:regionnorth_central	-0.0033794609	-0.0067786942
## year2016:regionnorth_central	-0.0043190276	-0.0131729224
## year2017:regionnorth_central	-0.0037301454	-0.0069578624
## year2018:regionnorth_central	-0.0033961232	-0.0071624524
## year2012:regionsouth	-0.0016669836	0.0009367201
## year2015:regionsouth	-0.0025087401	0.0006014871
## year2016:regionsouth	0.0004626416	-0.0027472730
## year2017:regionsouth	0.0001771111	0.0005685383
## sexM:speciesND	0.0004949853	0.0003779005
## sexM:speciesTS	0.0008380687	0.0005755704
## year2012:speciesND	-0.0015893351	-0.0014613030
## year2013:speciesND	-0.0016068316	0.0008663439
## year2015:speciesND	0.0080287541	-0.0016143770
## year2016:speciesND	-0.0016221176	0.0012337475
## year2017:speciesND	-0.0016296209	-0.0020760184
## year2018:speciesND	-0.0037654314	-0.0019227159
## year2012:speciesTS	0.0157059298	0.0160438092
## year2013:speciesTS	0.0155761978	0.0161608543
## year2015:speciesTS	0.0527891325	0.0158836349
## year2016:speciesTS	0.0158836349	0.0421440541
## year2017:speciesTS	0.0151528666	0.0153965947
## year2018:speciesTS	0.0153382863	0.0149638539
## year2012:sexM	-0.0014491424	-0.0014484620
## year2013:sexM	-0.0016146182	-0.0017195432
## year2015:sexM	-0.0037025643	-0.0015110120
## year2016:sexM	-0.0012727372	-0.0025189550
## year2017:sexM	-0.0015346552	-0.0016888429
## year2018:sexM	-0.0015813107	-0.0015353071
## year2012:shoreonshore	-0.0094394582	-0.0103217564

## year2013:shoreonshore	-0.0103161298	-0.0111044288
## year2015:shoreonshore	-0.0091235730	-0.0100437126
## year2016:shoreonshore	-0.0100313150	-0.0151152130
## year2017:shoreonshore	-0.0104761419	-0.0118115208
## year2018:shoreonshore	-0.0101250371	-0.0106601699
##	year2017:speciesTS	year2018:speciesTS
## (Intercept)	-0.0046146837	-0.0041113907
## year2012	0.0032910166	0.0031305818
## year2013	-0.0015085035	-0.0014490261
## year2015	0.0056940553	0.0036922136
## year2016	0.0049473539	0.0038319161
## year2017	0.0035678770	0.0045513156
## year2018	0.0052182939	0.0017454570
## regionnorth	0.0022645171	0.0014866520
## regionnorth_central	0.0060767810	0.0055211629
## regionsouth	-0.0001731314	0.0018484876
## sexM	0.0013065228	0.0013125327
## speciesND	0.0016334200	0.0016303772
## speciesTS	-0.0156157732	-0.0149154696
## shoreonshore	0.0104875465	0.0098779878
## year2012:regionnorth	-0.0015734550	-0.0016997891
## year2013:regionnorth	0.0040132841	0.0029694619
## year2015:regionnorth	-0.0028525008	-0.0008381723
## year2016:regionnorth	-0.0027253793	-0.0020093645
## year2017:regionnorth	-0.0006613891	-0.0008635473
## year2018:regionnorth	-0.0028035088	0.0004242800
## year2012:regionnorth_central	-0.0050896836	-0.0047798624
## year2016:regionnorth_central	-0.0063094771	-0.0054329725
## year2017:regionnorth_central	-0.0089337951	-0.0058819403
## year2018:regionnorth_central	-0.0065975632	-0.0073552393
## year2012:regionsouth	0.0005030824	-0.0021894058
## year2015:regionsouth	-0.0003992655	-0.0012604504
## year2016:regionsouth	0.0006749798	-0.0010613325
## year2017:regionsouth	0.0003158737	-0.0017157029
## sexM:speciesND	0.0004232098	0.0002136705
## sexM:speciesTS	0.0008814214	0.0007830133
## year2012:speciesND	-0.0017124535	-0.0016611868
## year2013:speciesND	-0.0017224090	-0.0018494067
## year2015:speciesND	-0.0019456107	-0.0016135008
## year2016:speciesND	-0.0018247510	-0.0013096985
## year2017:speciesND	0.0015358932	-0.0017710700
## year2018:speciesND	-0.0025369341	0.0017590535
## year2012:speciesTS	0.0153129023	0.0145868145
## year2013:speciesTS	0.0150687963	0.0143756563
## year2015:speciesTS	0.0151528666	0.0153382863
## year2016:speciesTS	0.0153965947	0.0149638539
## year2017:speciesTS	0.0309848780	0.0144658678
## year2018:speciesTS	0.0144658678	0.0288309628
## year2012:sexM	-0.0015292906	-0.0016891230
## year2013:sexM	-0.0018171191	-0.0019366165
## year2015:sexM	-0.0015496605	-0.0014091980
## year2016:sexM	-0.0014980620	-0.0013648722
## year2017:sexM	-0.0021375650	-0.0015749711
## year2018:sexM	-0.0015639335	-0.0027072193

## year2012:shoreonshore	-0.0097287573	-0.0089492496
## year2013:shoreonshore	-0.0093325099	-0.0085468009
## year2015:shoreonshore	-0.0104743167	-0.0103642344
## year2016:shoreonshore	-0.0109202552	-0.0096067321
## year2017:shoreonshore	-0.0147306801	-0.0103588732
## year2018:shoreonshore	-0.0098885901	-0.0136988468
##	year2012:sexM	year2013:sexM
## (Intercept)	3.702449e-03	3.101958e-03
## year2012	-6.044584e-03	-3.556797e-03
## year2013	-3.056796e-03	-1.029001e-02
## year2015	-3.905281e-03	-3.282358e-03
## year2016	-3.862593e-03	-3.390390e-03
## year2017	-3.868561e-03	-3.174356e-03
## year2018	-3.723314e-03	-3.302031e-03
## regionnorth	1.205142e-03	1.216007e-03
## regionnorth_central	-2.810829e-04	-1.530092e-04
## regionsouth	4.951728e-05	-4.725997e-05
## sexM	-9.189476e-03	-8.437762e-03
## speciesND	-1.264353e-03	-1.089530e-03
## speciesTS	1.322593e-03	2.232150e-03
## shoreonshore	-6.147921e-04	-4.863565e-04
## year2012:regionnorth	-1.703720e-03	-6.203415e-04
## year2013:regionnorth	-1.145171e-03	-2.807633e-03
## year2015:regionnorth	-4.880874e-04	-8.821100e-04
## year2016:regionnorth	-4.199429e-04	-6.270778e-04
## year2017:regionnorth	-7.498631e-04	-8.185296e-04
## year2018:regionnorth	-8.685571e-04	-1.188611e-03
## year2012:regionnorth_central	-1.363595e-03	1.389853e-04
## year2016:regionnorth_central	6.768281e-04	3.249578e-04
## year2017:regionnorth_central	7.180015e-04	1.566040e-04
## year2018:regionnorth_central	6.027949e-04	3.313324e-04
## year2012:regionsouth	-7.708949e-04	1.270191e-04
## year2015:regionsouth	4.454230e-05	-5.893616e-05
## year2016:regionsouth	1.199539e-05	-2.420915e-06
## year2017:regionsouth	1.322893e-05	-3.402836e-05
## sexM:speciesND	-5.739209e-04	-7.983835e-04
## sexM:speciesTS	2.396638e-04	-1.599156e-03
## year2012:speciesND	3.114877e-03	1.359302e-03
## year2013:speciesND	1.157385e-03	4.359848e-03
## year2015:speciesND	1.362311e-03	1.298672e-03
## year2016:speciesND	1.403484e-03	1.327578e-03
## year2017:speciesND	1.386902e-03	1.477061e-03
## year2018:speciesND	1.348060e-03	1.246810e-03
## year2012:speciesTS	-9.968791e-04	-1.706421e-03
## year2013:speciesTS	-1.502168e-03	-5.057433e-03
## year2015:speciesTS	-1.449142e-03	-1.614618e-03
## year2016:speciesTS	-1.448462e-03	-1.719543e-03
## year2017:speciesTS	-1.529291e-03	-1.817119e-03
## year2018:speciesTS	-1.689123e-03	-1.936616e-03
## year2012:sexM	1.847392e-02	9.082653e-03
## year2013:sexM	9.082653e-03	2.776185e-02
## year2015:sexM	9.231476e-03	8.877907e-03
## year2016:sexM	9.199356e-03	8.823377e-03
## year2017:sexM	9.190161e-03	8.892234e-03

## year2018:sexM	9.153350e-03	9.051287e-03	9.186602e-03
## year2012:shoreonshore	6.833962e-04	7.397101e-04	8.430037e-04
## year2013:shoreonshore	5.055195e-04	4.309576e-03	7.872868e-04
## year2015:shoreonshore	9.398582e-04	7.097619e-04	1.457421e-03
## year2016:shoreonshore	8.319164e-04	7.915339e-04	7.893533e-04
## year2017:shoreonshore	8.723742e-04	4.060379e-04	9.267936e-04
## year2018:shoreonshore	7.074794e-04	6.615608e-04	6.961644e-04
##	year2016:sexM	year2017:sexM	year2018:sexM
## (Intercept)	4.002967e-03	4.263109e-03	0.0041093516
## year2012	-3.797352e-03	-3.252443e-03	-0.0039940124
## year2013	-3.245280e-03	-3.128102e-03	-0.0032640580
## year2015	-4.586304e-03	-4.262246e-03	-0.0038305083
## year2016	-7.640829e-03	-4.438419e-03	-0.0041377106
## year2017	-4.320324e-03	-1.046873e-02	-0.0043552986
## year2018	-3.998285e-03	-4.484362e-03	-0.0067370649
## regionnorth	8.088847e-04	1.413421e-03	0.0007151376
## regionnorth_central	-6.720131e-04	-6.484072e-04	-0.0007997953
## regionsouth	-3.022646e-04	2.292257e-04	-0.0014043710
## sexM	-9.641020e-03	-9.397068e-03	-0.0091949594
## speciesND	-4.599142e-04	-6.349875e-04	-0.0012097755
## speciesTS	7.314745e-04	1.100001e-03	0.0013831380
## shoreonshore	-4.191186e-04	-1.268798e-03	-0.0007117804
## year2012:regionnorth	-6.801998e-04	-9.554464e-04	-0.0002033031
## year2013:regionnorth	-1.189806e-03	-1.054699e-03	-0.0010557919
## year2015:regionnorth	1.830213e-04	-5.432200e-04	-0.0004700012
## year2016:regionnorth	-5.739765e-04	-1.014093e-04	-0.0001353783
## year2017:regionnorth	-4.767622e-04	-1.883675e-03	-0.0003885487
## year2018:regionnorth	-6.765770e-04	-1.354975e-04	-0.0016889315
## year2012:regionnorth_central	6.562955e-04	8.263253e-06	0.0007009125
## year2016:regionnorth_central	-4.312864e-04	1.057576e-03	0.0008586651
## year2017:regionnorth_central	8.679754e-04	3.132338e-03	0.0010538264
## year2018:regionnorth_central	6.633192e-04	1.278946e-03	0.0001562983
## year2012:regionsouth	-1.166274e-05	-9.582562e-04	0.0013543731
## year2015:regionsouth	2.440290e-04	-3.490172e-04	0.0010619239
## year2016:regionsouth	4.478259e-04	-1.353046e-04	0.0013783623
## year2017:regionsouth	1.624208e-06	1.594748e-03	0.0014093566
## sexM:speciesND	-2.805213e-03	-3.178964e-03	-0.0005574844
## sexM:speciesTS	1.507631e-03	9.265512e-04	0.0002814512
## year2012:speciesND	8.585576e-04	1.372005e-03	0.0011845666
## year2013:speciesND	8.443623e-04	9.253421e-04	0.0013403690
## year2015:speciesND	1.007350e-03	1.295361e-03	0.0012989078
## year2016:speciesND	2.551277e-03	1.048794e-03	0.0010702293
## year2017:speciesND	1.273925e-03	2.425654e-03	0.0013158346
## year2018:speciesND	6.427878e-04	8.048595e-04	0.0043321767
## year2012:speciesTS	-1.327811e-03	-1.616171e-03	-0.0015926168
## year2013:speciesTS	-1.373128e-03	-1.561892e-03	-0.0013173984
## year2015:speciesTS	-1.272737e-03	-1.534655e-03	-0.0015813107
## year2016:speciesTS	-2.518955e-03	-1.688843e-03	-0.0015353071
## year2017:speciesTS	-1.498062e-03	-2.137565e-03	-0.0015639335
## year2018:speciesTS	-1.364872e-03	-1.574971e-03	-0.0027072193
## year2012:sexM	9.199356e-03	9.190161e-03	0.0091533505
## year2013:sexM	8.823377e-03	8.892234e-03	0.0090512869
## year2015:sexM	9.774407e-03	9.692421e-03	0.0091866021
## year2016:sexM	2.249408e-02	9.613398e-03	0.0092121447



## year2017:sexM	9.613398e-03	2.134818e-02	0.0092386634
## year2018:sexM	9.212145e-03	9.238663e-03	0.0197012720
## year2012:shoreonshore	5.534491e-04	1.015257e-03	0.0007903049
## year2013:shoreonshore	7.895036e-04	1.111166e-03	0.0005460464
## year2015:shoreonshore	9.188427e-04	9.429366e-04	0.0009155128
## year2016:shoreonshore	-1.994885e-04	1.152116e-03	0.0010554998
## year2017:shoreonshore	9.957524e-04	2.853264e-03	0.0011229569
## year2018:shoreonshore	6.860316e-04	1.043581e-03	0.0008222312
##	year2012:shoreonshore	year2013:shoreonshore	
## (Intercept)	0.0147013671	1.371859e-02	
## year2012	-0.0287809802	-1.294522e-02	
## year2013	-0.0028952511	-7.411991e-03	
## year2015	-0.0139543890	-1.325179e-02	
## year2016	-0.0139310633	-1.426790e-02	
## year2017	-0.0140811335	-1.430625e-02	
## year2018	-0.0140534833	-1.438878e-02	
## regionnorth	-0.0064212423	-4.532565e-03	
## regionnorth_central	-0.0105191544	-1.081047e-02	
## regionsouth	-0.0005814473	6.772988e-04	
## sexM	-0.0007548792	-8.729749e-04	
## speciesND	-0.0063191148	-6.376161e-03	
## speciesTS	0.0100824420	1.029001e-02	
## shoreonshore	-0.0192984855	-1.789744e-02	
## year2012:regionnorth	0.0230762588	5.159218e-03	
## year2013:regionnorth	-0.0048745726	4.151381e-04	
## year2015:regionnorth	0.0060676744	5.625743e-03	
## year2016:regionnorth	0.0075434538	6.756657e-03	
## year2017:regionnorth	0.0025438427	3.381083e-03	
## year2018:regionnorth	0.0056004415	6.204455e-03	
## year2012:regionnorth_central	0.0179325426	1.107320e-02	
## year2016:regionnorth_central	0.0105250282	1.008356e-02	
## year2017:regionnorth_central	0.0112084885	9.707944e-03	
## year2018:regionnorth_central	0.0111303149	1.032709e-02	
## year2012:regionsouth	0.0016158405	-1.061381e-03	
## year2015:regionsouth	-0.0001009513	-3.130394e-04	
## year2016:regionsouth	0.0004853224	-4.178951e-05	
## year2017:regionsouth	0.0006368236	-6.297149e-05	
## sexM:speciesND	0.0003911447	-1.917270e-04	
## sexM:speciesTS	-0.0004780044	4.209139e-04	
## year2012:speciesND	0.0077414516	5.812944e-03	
## year2013:speciesND	0.0053061197	7.447053e-03	
## year2015:speciesND	0.0062467878	6.449474e-03	
## year2016:speciesND	0.0061025025	6.371462e-03	
## year2017:speciesND	0.0065325796	5.074550e-03	
## year2018:speciesND	0.0070709192	6.347818e-03	
## year2012:speciesTS	-0.0114215213	-1.055037e-02	
## year2013:speciesTS	-0.0092292500	-4.937588e-02	
## year2015:speciesTS	-0.0094394582	-1.031613e-02	
## year2016:speciesTS	-0.0103217564	-1.110443e-02	
## year2017:speciesTS	-0.0097287573	-9.332510e-03	
## year2018:speciesTS	-0.0089492496	-8.546801e-03	
## year2012:sexM	0.0006833962	5.055195e-04	
## year2013:sexM	0.0007397101	4.309576e-03	
## year2015:sexM	0.0008430037	7.872868e-04	

## year2016:sexM	0.0005534491	7.895036e-04
## year2017:sexM	0.0010152568	1.111166e-03
## year2018:sexM	0.0007903049	5.460464e-04
## year2012:shoreonshore	0.0334318712	1.757590e-02
## year2013:shoreonshore	0.0175759030	6.840770e-02
## year2015:shoreonshore	0.0177277335	1.643666e-02
## year2016:shoreonshore	0.0181461492	1.864498e-02
## year2017:shoreonshore	0.0180708021	1.838493e-02
## year2018:shoreonshore	0.0174712491	1.794160e-02
## year2015:shoreonshore	year2016:shoreonshore	
## (Intercept)	0.0193425250	1.880280e-02
## year2012	-0.0156020576	-1.623560e-02
## year2013	-0.0031958561	-3.785199e-03
## year2015	-0.0297982958	-1.926274e-02
## year2016	-0.0178883967	-3.061265e-02
## year2017	-0.0199170203	-1.935923e-02
## year2018	-0.0194459520	-1.931386e-02
## regionnorth	-0.0073575011	-8.082094e-03
## regionnorth_central	-0.0140291334	-1.452444e-02
## regionsouth	-0.0019112974	1.455662e-03
## sexM	-0.0007831287	-7.164523e-04
## speciesND	-0.0118189174	-7.641848e-03
## speciesTS	0.0093772622	1.073552e-02
## shoreonshore	-0.0210068944	-2.014357e-02
## year2012:regionnorth	0.0086042565	9.800733e-03
## year2013:regionnorth	-0.0045199422	-4.368186e-03
## year2015:regionnorth	0.0108779466	1.000976e-02
## year2016:regionnorth	0.0081082395	2.217874e-02
## year2017:regionnorth	0.0063032204	5.785400e-03
## year2018:regionnorth	0.0077488977	9.535806e-03
## year2012:regionnorth_central	0.0119756890	1.334965e-02
## year2016:regionnorth_central	0.0134973942	2.102989e-02
## year2017:regionnorth_central	0.0144013975	1.440627e-02
## year2018:regionnorth_central	0.0142925191	1.508485e-02
## year2012:regionsouth	0.0033799689	-7.774248e-04
## year2015:regionsouth	-0.0011881295	-4.034605e-04
## year2016:regionsouth	-0.0017217473	1.758556e-03
## year2017:regionsouth	0.0010363840	-5.766610e-04
## sexM:speciesND	-0.0003585229	-5.732068e-05
## sexM:speciesTS	-0.0003624351	-6.932824e-04
## year2012:speciesND	0.0127785332	7.191278e-03
## year2013:speciesND	0.0116130070	6.684134e-03
## year2015:speciesND	0.0153867460	8.032787e-03
## year2016:speciesND	0.0115026515	1.309158e-02
## year2017:speciesND	0.0121255334	7.173542e-03
## year2018:speciesND	0.0157375633	8.627634e-03
## year2012:speciesTS	-0.0091135366	-1.074417e-02
## year2013:speciesTS	-0.0092645800	-1.059570e-02
## year2015:speciesTS	-0.0091235730	-1.003131e-02
## year2016:speciesTS	-0.0100437126	-1.511521e-02
## year2017:speciesTS	-0.0104743167	-1.092026e-02
## year2018:speciesTS	-0.0103642344	-9.606732e-03
## year2012:sexM	0.0009398582	8.319164e-04
## year2013:sexM	0.0007097619	7.915339e-04

## year2015:sexM	0.0014574213	7.893533e-04
## year2016:sexM	0.0009188427	-1.994885e-04
## year2017:sexM	0.0009429366	1.152116e-03
## year2018:sexM	0.0009155128	1.055500e-03
## year2012:shoreonshore	0.0177277335	1.814615e-02
## year2013:shoreonshore	0.0164366630	1.864498e-02
## year2015:shoreonshore	0.0448106259	2.044877e-02
## year2016:shoreonshore	0.0204487737	3.832752e-02
## year2017:shoreonshore	0.0225232401	2.126496e-02
## year2018:shoreonshore	0.0208213261	1.917817e-02
##	year2017:shoreonshore	year2018:shoreonshore
## (Intercept)	0.0184451990	1.644649e-02
## year2012	-0.0080608962	-1.443050e-02
## year2013	-0.0036348136	-3.539478e-03
## year2015	-0.0215704766	-1.699826e-02
## year2016	-0.0189155678	-1.575583e-02
## year2017	-0.0291245921	-1.719339e-02
## year2018	-0.0213495604	-1.920561e-02
## regionnorth	-0.0037767959	-6.190317e-03
## regionnorth_central	-0.0128881079	-1.257297e-02
## regionsouth	0.0026554200	-1.509188e-03
## sexM	-0.0009709353	-6.490466e-04
## speciesND	-0.0075781426	-8.752071e-03
## speciesTS	0.0102057760	9.904211e-03
## shoreonshore	-0.0229730429	-1.905344e-02
## year2012:regionnorth	0.0018509085	7.444918e-03
## year2013:regionnorth	-0.0039935206	-4.121491e-03
## year2015:regionnorth	0.0115731370	6.529577e-03
## year2016:regionnorth	0.0115783795	7.518069e-03
## year2017:regionnorth	-0.0028860904	4.817612e-03
## year2018:regionnorth	0.0112403794	4.201156e-03
## year2012:regionnorth_central	0.0051659497	1.163715e-02
## year2016:regionnorth_central	0.0146454738	1.213243e-02
## year2017:regionnorth_central	0.0164693295	1.227180e-02
## year2018:regionnorth_central	0.0163724002	1.084344e-02
## year2012:regionsouth	-0.0077543415	1.949274e-03
## year2015:regionsouth	-0.0002168039	9.251897e-04
## year2016:regionsouth	-0.0026766710	1.533369e-04
## year2017:regionsouth	-0.0049764922	1.522087e-03
## sexM:speciesND	-0.0002941380	-6.603024e-05
## sexM:speciesTS	0.0001520370	-4.289793e-04
## year2012:speciesND	0.0079647265	8.672102e-03
## year2013:speciesND	0.0070818734	8.636274e-03
## year2015:speciesND	0.0078486058	8.689260e-03
## year2016:speciesND	0.0065071736	8.035332e-03
## year2017:speciesND	0.0118056532	8.681482e-03
## year2018:speciesND	0.0103416802	5.205529e-03
## year2012:speciesTS	-0.0100732474	-9.763883e-03
## year2013:speciesTS	-0.0102700123	-9.814021e-03
## year2015:speciesTS	-0.0104761419	-1.012504e-02
## year2016:speciesTS	-0.0118115208	-1.066017e-02
## year2017:speciesTS	-0.0147306801	-9.888590e-03
## year2018:speciesTS	-0.0103588732	-1.369885e-02
## year2012:sexM	0.0008723742	7.074794e-04

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## year2013:sexM          0.0004060379      6.615608e-04
## year2015:sexM          0.0009267936      6.961644e-04
## year2016:sexM          0.0009957524      6.860316e-04
## year2017:sexM          0.0028532639      1.043581e-03
## year2018:sexM          0.0011229569      8.222312e-04
## year2012:shoreonshore  0.0180708021      1.747125e-02
## year2013:shoreonshore  0.0183849347      1.794160e-02
## year2015:shoreonshore  0.0225232401      2.082133e-02
## year2016:shoreonshore  0.0212649568      1.917817e-02
## year2017:shoreonshore  0.0404627124      2.018789e-02
## year2018:shoreonshore  0.0201878913      3.012353e-02
##
## $varcor
## $station
##      (Intercept)
## (Intercept)  0.8586463
## attr(,"stddev")
## (Intercept)
##      0.9266317
## attr(,"correlation")
##      (Intercept)
## (Intercept)      1
##
## attr(,"sc")
## [1] 2.654221
## attr(,"useSc")
## [1] TRUE
## attr(,"class")
## [1] "VarCorr.merMod"
##
## $AICtab
##      REML
## 91031.57
##
## $call
## lmer(formula = length ~ year * region + sex * species + species:year +
##      sex:year + shore + shore:year + (1 | station), data = allLengths)
##
## $residuals
##      1          2          3          4          5
## -7.475098e-02 -7.761747e-01  6.345344e-01  1.061351e+00  3.039917e-01
##      6          7          8          9         10
##  7.275686e-01 -2.818928e-01  5.101098e-02  1.902427e+00  3.295108e-01
##     11         12         13         14         15
##  1.341007e+00  3.185597e-01 -7.079061e-01  2.639297e-01 -4.181286e-01
##     16         17         18         19         20
##  6.538496e-01  9.697238e-01  1.019330e+00  2.001571e-01 -7.821024e-01
##     21         22         23         24         25
##  6.956446e-01 -2.834752e-01  6.894909e-01  2.467134e-01 -7.300328e-01
##     26         27         28         29         30
##  1.527593e-01 -2.070450e-01 -3.290912e-01  4.407911e-01 -1.074319e+00
##     31         32         33         34         35
##  4.459245e-01  8.105746e-02  5.194394e-01  7.618315e-02 -3.796710e-01
##     36         37         38         39         40

```

##	-2.870355e-01	2.090640e+00	3.100450e-01	2.048289e-01	1.232475e+00
##	41	42	43	44	45
##	3.945142e-01	2.102712e+00	2.114659e-02	-5.451716e-01	9.663833e-01
##	46	47	48	49	50
##	4.809738e-02	-1.077858e+00	2.399930e-01	6.291654e-02	2.886445e+00
##	51	52	53	54	55
##	4.861670e-01	7.407803e-01	5.984159e-01	2.028195e-01	-1.430077e+00
##	56	57	58	59	60
##	8.531297e-01	9.526190e-01	-2.264873e+00	1.116440e-01	2.166158e+00
##	61	62	63	64	65
##	-1.485159e-01	1.718854e+00	-1.475038e+00	-6.983394e-01	-1.288358e-01
##	66	67	68	69	70
##	-8.613428e-01	-1.415532e+00	-9.156847e-01	6.162151e-01	-8.450092e-01
##	71	72	73	74	75
##	-9.338356e-01	-8.466049e-01	-2.280119e-01	-1.384372e+00	1.036140e+00
##	76	77	78	79	80
##	7.495380e-03	4.434218e-03	-6.864230e-01	3.925189e-01	-3.257239e-01
##	81	82	83	84	85
##	7.458477e-01	1.349156e+00	4.956566e-01	-4.124254e-01	8.218587e-01
##	86	87	88	89	90
##	1.327469e+00	-3.696978e-01	-7.531437e-01	-2.119773e-01	4.243912e-01
##	91	92	93	94	95
##	2.144805e-02	-4.962416e-01	-1.111394e+00	-1.030791e+00	-6.452351e-02
##	96	97	98	99	100
##	1.745062e-01	-1.388005e+00	-1.357017e+00	-1.096229e+00	-3.955293e-01
##	101	102	103	104	105
##	-7.880645e-01	-6.831844e-01	-8.329694e-01	-7.106969e-02	8.001044e-02
##	106	107	108	109	110
##	-6.355716e-01	-1.486433e+00	-2.077153e-01	-1.166636e+00	-2.379030e-01
##	111	112	113	114	115
##	-7.623508e-01	-7.348239e-01	-2.887890e-01	-4.676550e-01	-2.130926e+00
##	116	117	118	119	120
##	-7.504920e-02	-5.614064e-02	-1.045909e+00	-5.838850e-01	-9.361070e-01
##	121	122	123	124	125
##	-1.431050e+00	3.108453e-01	-6.080921e-01	-1.235042e+00	-1.013602e+00
##	126	127	128	129	130
##	4.733930e-01	-1.147505e-01	-2.248346e-01	-1.234477e+00	-1.070799e+00
##	131	132	133	134	135
##	-4.260236e-01	7.221006e-01	8.267924e-01	-4.416120e-01	-7.212373e-01
##	136	137	138	139	140
##	-1.185875e+00	-1.185592e+00	-9.460679e-01	-9.196007e-01	-1.159078e+00
##	141	142	143	144	145
##	-7.048484e-01	-1.688800e+00	-1.293416e+00	-1.147139e+00	2.411685e-01
##	146	147	148	149	150
##	-2.601086e-01	-2.338297e-01	-5.657774e-01	-1.104283e+00	-1.816639e+00
##	151	152	153	154	155
##	-4.370673e-01	-7.073444e-01	-6.073150e-01	-9.843796e-01	-7.858750e-01
##	156	157	158	159	160
##	-1.020313e+00	-1.422364e-01	1.419779e+00	1.168729e-01	3.467458e-01
##	161	162	163	164	165
##	-1.318451e+00	-6.613844e-01	4.209169e-01	-7.005422e-01	-1.287256e+00
##	166	167	168	169	170
##	-9.034424e-02	-3.498554e-01	-1.589265e+00	7.740401e-01	-9.382265e-01
##	171	172	173	174	175

##	1.345834e+00	-2.431323e-01	-1.328069e+00	-1.317670e+00	-6.417003e-02
##	176	177	178	179	180
##	9.511939e-01	8.141292e-01	8.558740e-01	1.158235e+00	8.689099e-01
##	181	182	183	184	185
##	1.695116e+00	3.550114e-01	2.243265e-01	2.333184e-01	4.561334e-01
##	186	187	188	189	190
##	9.003818e-01	2.673523e-01	1.213167e+00	1.059324e+00	5.369857e-01
##	191	192	193	194	195
##	5.661719e-01	-2.671087e+00	1.504878e+00	1.436836e+00	1.287790e+00
##	196	197	198	199	200
##	1.338200e+00	7.090638e-01	1.148942e+00	1.372435e+00	1.202617e+00
##	201	202	203	204	205
##	1.517763e+00	1.742085e+00	1.981543e-01	5.841308e-01	1.186140e+00
##	206	207	208	209	210
##	6.983388e-01	9.251725e-01	1.673113e+00	1.285796e-01	8.653334e-02
##	211	212	213	214	215
##	4.022318e-01	1.720826e-01	5.062673e-01	-9.839127e-01	7.448559e-01
##	216	217	218	219	220
##	3.860312e-01	3.093903e-03	5.452995e-01	2.906359e-01	1.019789e+00
##	221	222	223	224	225
##	9.336621e-01	1.258277e+00	1.585027e+00	7.073559e-01	6.104787e-01
##	226	227	228	229	230
##	1.158913e+00	6.366760e-01	8.020729e-01	-7.397481e-01	-1.858226e-02
##	231	232	233	234	235
##	1.348498e+00	-1.224437e+00	-1.232022e+00	6.437073e-01	2.739566e-01
##	236	237	238	239	240
##	-3.028841e-02	5.261084e-01	-2.907038e-01	-2.467989e-01	1.115057e+00
##	241	242	243	244	245
##	-2.494111e-01	-7.401766e-01	1.090620e-01	-2.101529e-01	1.383487e-01
##	246	247	248	249	250
##	-1.911643e-01	-1.511050e+00	8.739569e-01	3.966542e-01	-1.263494e+00
##	251	252	253	254	255
##	-1.385488e+00	1.759389e+00	2.000617e-01	1.141129e+00	-1.091190e+00
##	256	257	258	259	260
##	4.944858e-01	4.917983e-01	-7.007410e-02	1.966709e-01	-1.088300e-01
##	261	262	263	264	265
##	-6.553558e-01	-1.017647e+00	5.754136e-01	-5.319799e-01	-1.093575e-01
##	266	267	268	269	270
##	1.257147e-01	-2.095025e+00	5.987223e-01	2.560398e-01	7.295247e-01
##	271	272	273	274	275
##	4.771468e-01	2.895713e-01	-3.480296e-01	9.350590e-01	-1.392049e-01
##	276	277	278	279	280
##	3.359126e-01	-2.864170e-01	3.734377e-01	4.183976e-01	-3.155279e-01
##	281	282	283	284	285
##	-3.821136e-01	-1.064524e+00	-1.124730e+00	-1.474182e-01	2.425616e+00
##	286	287	288	289	290
##	-1.663570e+00	3.790891e-01	-1.663796e+00	-7.827052e-02	-2.645367e-02
##	291	292	293	294	295
##	-3.809582e-01	-1.246397e+00	-2.715727e-01	1.055370e+00	-2.679558e-01
##	296	297	298	299	300
##	3.755476e-01	4.356531e-01	-7.202418e-01	4.654170e-01	-4.274251e-01
##	301	302	303	304	305
##	3.400318e-01	-2.706685e-01	-1.466726e+00	5.740993e-01	-1.949652e-01
##	306	307	308	309	310

##	-9.756840e-01	-6.976865e-01	-7.994615e-01	1.363060e-01	1.258393e+00
##	311	312	313	314	315
##	-1.014035e-01	-6.461459e-01	-1.254762e+00	-4.535470e-01	-4.643223e-01
##	316	317	318	319	320
##	-4.375945e-02	-1.073315e+00	-1.044329e+00	1.126477e+00	6.123277e-01
##	321	322	323	324	325
##	-3.839723e-01	-4.322261e-04	5.377044e-01	1.025484e-01	-9.255500e-01
##	326	327	328	329	330
##	-1.541877e+00	7.574550e-01	-1.624035e+00	7.532134e-02	-6.395150e-01
##	331	332	333	334	335
##	1.407015e-01	6.517115e-01	-1.297712e+00	1.714450e-01	4.387174e-01
##	336	337	338	339	340
##	-1.146833e+00	1.868198e-02	-8.801632e-01	-4.767553e-01	5.709345e-01
##	341	342	343	344	345
##	1.584440e+00	-1.138114e-01	-3.684247e-01	7.340960e-01	1.533753e+00
##	346	347	348	349	350
##	-2.158878e-01	1.076472e-01	-2.727532e-01	3.850670e-01	-4.566364e-01
##	351	352	353	354	355
##	3.038128e-01	5.726173e-01	-9.602118e-01	4.010698e-02	4.433390e-01
##	356	357	358	359	360
##	2.138099e+00	2.977595e-01	3.552528e-01	4.602429e-01	-4.477701e-01
##	361	362	363	364	365
##	-1.242102e+00	-5.725273e-01	-2.089845e+00	-8.413930e-01	-1.308373e+00
##	366	367	368	369	370
##	-4.226386e-01	-2.040339e+00	-1.704999e+00	-8.451355e-01	-2.223418e+00
##	371	372	373	374	375
##	2.423044e+00	2.380973e+00	3.289765e+00	1.692761e+00	1.147369e+00
##	376	377	378	379	380
##	-4.564762e-01	4.076631e+00	2.036760e+00	7.667077e-01	2.116935e+00
##	381	382	383	384	385
##	8.581093e-01	1.624536e+00	-2.792981e+00	-1.020634e+00	-1.707691e+00
##	386	387	388	389	390
##	-1.565000e+00	4.722835e-01	-2.184215e+00	-1.575047e+00	-2.468818e+00
##	391	392	393	394	395
##	-2.544044e+00	-2.911585e+00	-1.651981e+00	-2.362171e+00	-1.724394e+00
##	396	397	398	399	400
##	-5.527254e-01	-2.345066e+00	8.709442e-01	-1.673205e+00	-1.832574e+00
##	401	402	403	404	405
##	-7.514530e-01	-2.382917e+00	-6.188340e-01	-2.894078e+00	9.374044e-01
##	406	407	408	409	410
##	6.570208e-01	-2.588351e+00	-2.153873e+00	-2.401379e+00	-2.391658e+00
##	411	412	413	414	415
##	-1.609834e+00	-3.027325e+00	-2.333863e+00	1.023480e+00	1.596906e+00
##	416	417	418	419	420
##	-1.407115e+00	1.737889e-01	-2.518627e+00	-2.247211e+00	-1.801380e+00
##	421	422	423	424	425
##	-2.914425e+00	-1.866358e+00	-2.067874e+00	-2.925074e+00	-1.197411e+00
##	426	427	428	429	430
##	1.846747e+00	7.448039e-01	-2.017162e+00	-1.745519e+00	-2.238872e+00
##	431	432	433	434	435
##	-2.100425e+00	-2.888077e+00	1.020407e+00	9.740156e-01	1.074183e+00
##	436	437	438	439	440
##	9.408608e-01	9.334513e-01	8.459177e-01	-4.293077e-02	5.736972e-01
##	441	442	443	444	445

##	4.919922e-02	6.949632e-01	1.121179e-01	8.139937e-01	5.859293e-01
##	446	447	448	449	450
##	8.912543e-01	1.386842e+00	1.674962e+00	1.297576e+00	-8.996794e-01
##	451	452	453	454	455
##	2.001963e+00	1.102289e+00	9.190842e-01	9.429204e-01	9.322205e-01
##	456	457	458	459	460
##	9.448796e-01	1.445541e+00	5.837692e-01	5.813831e-01	1.576452e+00
##	461	462	463	464	465
##	6.505810e-01	-3.396255e-03	4.789299e-01	1.611164e+00	-1.384969e+00
##	466	467	468	469	470
##	6.565589e-01	3.712523e-01	1.267762e+00	9.451559e-01	1.629575e+00
##	471	472	473	474	475
##	5.108301e-02	9.743923e-01	-4.309668e-01	1.089580e+00	3.162205e-01
##	476	477	478	479	480
##	1.360670e+00	7.804120e-01	9.603518e-01	8.916059e-01	1.467294e-01
##	481	482	483	484	485
##	1.347485e-01	-1.405993e+00	1.342661e+00	9.712276e-01	-2.705668e-02
##	486	487	488	489	490
##	7.012676e-01	6.866996e-01	-1.266451e-02	9.715792e-01	1.176460e+00
##	491	492	493	494	495
##	1.470709e+00	4.909862e-01	5.538295e-01	1.320759e+00	3.180792e-01
##	496	497	498	499	500
##	-5.604210e-01	7.993504e-01	9.930042e-01	8.193939e-01	1.301971e+00
##	501	502	503	504	505
##	7.479605e-01	1.909582e+00	5.518201e-01	9.270464e-01	5.139433e-01
##	506	507	508	509	510
##	6.400067e-01	-8.543931e-01	-3.414993e-01	1.459508e-01	8.497104e-01
##	511	512	513	514	515
##	3.711783e-02	5.420746e-01	7.761169e-01	1.983527e+00	1.785252e+00
##	516	517	518	519	520
##	8.770380e-01	7.426859e-01	3.869757e-01	-1.339984e+00	-2.354042e+00
##	521	522	523	524	525
##	-3.628064e+00	9.482955e-01	1.409311e+00	1.183583e+00	1.778962e+00
##	526	527	528	529	530
##	1.726693e+00	2.024056e+00	1.325571e+00	8.955134e-01	1.229924e+00
##	531	532	533	534	535
##	1.627806e+00	2.781821e-01	7.784922e-01	1.591788e+00	-1.112856e-01
##	536	537	538	539	540
##	-2.619239e+00	2.607069e+00	2.544097e+00	3.820016e+00	3.212951e+00
##	541	542	543	544	545
##	5.031779e+00	4.291260e+00	3.795500e+00	-2.265252e+00	-1.993959e+00
##	546	547	548	549	550
##	-2.192403e+00	-4.093445e+00	-2.353682e+00	-2.147703e+00	-5.790692e-01
##	551	552	553	554	555
##	-1.911610e+00	-2.736630e+00	-1.342732e+00	-1.799524e+00	-2.193022e+00
##	556	557	558	559	560
##	6.705040e-01	-1.792554e+00	-1.440958e+00	-1.341413e+00	-1.685070e+00
##	561	562	563	564	565
##	-1.483740e+00	-3.428039e+00	-2.301230e+00	-2.732694e+00	-2.019365e+00
##	566	567	568	569	570
##	-2.488379e+00	-1.784468e+00	1.555822e+00	-2.607610e+00	2.201636e+00
##	571	572	573	574	575
##	-2.731614e+00	-3.843704e+00	1.093187e+00	-2.898191e+00	-2.626197e+00
##	576	577	578	579	580



##	-2.720186e+00	-3.921015e+00	-2.782702e+00	-2.677135e+00	-2.879127e+00
##	581	582	583	584	585
##	-5.738179e-01	-3.233456e+00	-2.153867e+00	-2.632150e+00	-2.812391e+00
##	586	587	588	589	590
##	-2.292213e+00	-2.498049e+00	-1.838747e+00	-2.647973e+00	-1.775250e+00
##	591	592	593	594	595
##	-3.040330e+00	8.459601e-01	1.268759e+00	1.168335e+00	-1.990668e+00
##	596	597	598	599	600
##	-2.269706e+00	8.033747e-01	1.433366e+00	2.123099e+00	2.002228e+00
##	601	602	603	604	605
##	-2.402092e+00	2.613629e+00	-2.216263e+00	5.193076e-01	-6.396635e-01
##	606	607	608	609	610
##	1.571016e+00	-2.809075e-01	-1.256776e-01	1.723567e+00	-1.006152e+00
##	611	612	613	614	615
##	1.310709e+00	-4.419892e-01	5.661233e-01	4.159934e-01	-7.796883e-02
##	616	617	618	619	620
##	9.205080e-01	9.205080e-01	-1.618716e+00	1.653280e+00	1.957299e+00
##	621	622	623	624	625
##	3.508187e+00	1.863034e+00	1.404494e+00	-1.737119e+00	-2.306024e+00
##	626	627	628	629	630
##	2.145427e+00	1.209635e+00	8.860242e-01	1.285941e+00	-2.278496e-01
##	631	632	633	634	635
##	-8.268040e-02	-1.773667e-02	1.340501e+00	2.201863e-01	6.270147e-01
##	636	637	638	639	640
##	-6.482419e-01	1.602089e+00	6.754517e-01	-6.363269e-01	-5.256542e-03
##	641	642	643	644	645
##	-5.256542e-03	-8.551294e-01	1.382415e+00	7.834637e-01	-4.451220e-01
##	646	647	648	649	650
##	9.149759e-01	1.351545e+00	5.582799e-01	-1.505297e+00	1.095467e+00
##	651	652	653	654	655
##	1.772572e-02	-1.378918e+00	-1.747647e+00	2.318801e+00	2.966682e-01
##	656	657	658	659	660
##	1.498622e+00	-8.835511e-01	2.383567e+00	3.036171e-02	1.456445e+00
##	661	662	663	664	665
##	9.163317e-01	1.462510e+00	9.276347e-01	1.766187e+00	2.581511e-01
##	666	667	668	669	670
##	-8.990409e-01	8.019734e-01	4.687979e-01	1.902625e+00	9.054297e-01
##	671	672	673	674	675
##	2.769673e+00	7.465110e-01	2.273619e+00	2.879750e-01	-2.987286e-01
##	676	677	678	679	680
##	7.633527e-01	-1.520105e+00	1.482484e+00	1.119961e+00	2.811581e-01
##	681	682	683	684	685
##	1.170361e+00	9.140761e-01	-5.789729e-01	-1.467487e-02	-5.996207e-02
##	686	687	688	689	690
##	-1.691354e+00	-2.909092e-01	2.115904e+00	9.585613e-01	2.063978e-01
##	691	692	693	694	695
##	-1.804105e-01	-1.262191e+00	1.826687e+00	9.576842e-01	1.374316e+00
##	696	697	698	699	700
##	7.050082e-01	1.622055e+00	-9.647754e-02	1.813254e+00	-1.647946e+00
##	701	702	703	704	705
##	1.058584e+00	1.572010e-01	-2.120094e+00	-1.102721e+00	1.014461e+00
##	706	707	708	709	710
##	-1.349673e+00	1.517107e+00	-4.429666e-01	1.127413e+00	-7.975214e-01
##	711	712	713	714	715

##	9.105255e-01	1.396293e+00	-2.795539e-01	1.159491e+00	-2.193955e+00
##	716	717	718	719	720
##	-1.746910e-01	-1.313793e+00	8.187940e-01	9.933946e-01	-6.658764e-01
##	721	722	723	724	725
##	1.800169e+00	2.391034e+00	9.682595e-01	-1.744219e-01	-5.591730e-01
##	726	727	728	729	730
##	4.814069e-01	7.139206e-01	9.266815e-01	1.326368e+00	1.805013e+00
##	731	732	733	734	735
##	1.934887e+00	1.512245e+00	-1.009857e+00	1.639778e+00	5.083451e-01
##	736	737	738	739	740
##	6.377078e-01	-1.424108e+00	-1.152225e+00	1.089410e-02	-5.613593e-02
##	741	742	743	744	745
##	-6.084190e-01	-1.120085e+00	-5.222827e-01	1.914038e-01	3.327682e-01
##	746	747	748	749	750
##	-4.169716e-01	-6.542329e-01	-1.374998e+00	-2.273322e+00	-1.411887e+00
##	751	752	753	754	755
##	-9.502211e-02	-1.550253e-02	-2.004542e+00	-1.692864e+00	-2.599997e-02
##	756	757	758	759	760
##	-1.574534e+00	-2.639276e-01	-2.192535e-01	-1.966478e+00	-2.461941e-01
##	761	762	763	764	765
##	-5.677762e-01	-9.168535e-02	1.546774e+00	1.197133e+00	1.017688e+00
##	766	767	768	769	770
##	-2.745121e-02	4.935145e-01	1.390535e+00	1.478317e+00	2.333047e+00
##	771	772	773	774	775
##	2.124662e+00	-9.761347e-01	-2.939374e-01	-1.299911e+00	6.981161e-01
##	776	777	778	779	780
##	-3.859569e-01	7.104435e-01	1.231177e+00	-6.280890e-01	4.181986e-03
##	781	782	783	784	785
##	-8.493672e-01	5.849601e-01	-1.446402e+00	-6.835694e-03	-5.043659e-01
##	786	787	788	789	790
##	7.474513e-01	3.303757e-01	1.762788e+00	7.447402e-01	-1.863384e-01
##	791	792	793	794	795
##	1.384150e+00	1.472891e+00	1.022773e+00	-2.719385e-01	-5.539973e-01
##	796	797	798	799	800
##	-5.941534e-01	1.464409e+00	3.987996e-02	-2.657216e+00	-1.272511e+00
##	801	802	803	804	805
##	-5.532084e-01	6.835482e-01	2.838075e-01	-1.057843e-01	-2.358800e+00
##	806	807	808	809	810
##	-4.329754e-01	-6.398158e-01	1.377430e-01	-5.783100e-01	-1.350547e+00
##	811	812	813	814	815
##	-1.191908e+00	5.656699e-01	-2.271863e+00	-3.013959e+00	-2.100522e-01
##	816	817	818	819	820
##	-3.843487e+00	8.735152e-02	1.237659e-02	8.370066e-01	8.179097e-01
##	821	822	823	824	825
##	-3.267531e-01	-3.051211e+00	2.054582e-01	-9.863700e-01	3.337916e-01
##	826	827	828	829	830
##	1.164961e-01	-2.088129e+00	-6.140856e-01	-2.629938e-01	-2.396583e-01
##	831	832	833	834	835
##	1.380185e-01	2.809041e-01	-6.968782e-01	2.953622e-01	-1.201553e-01
##	836	837	838	839	840
##	4.932747e-01	-1.407956e+00	-1.431853e+00	4.552426e-02	-5.392586e-01
##	841	842	843	844	845
##	-1.344855e-01	-3.626699e-01	-2.029715e-01	-1.094288e+00	-6.349956e-01
##	846	847	848	849	850

##	-1.501187e+00	-4.995039e-01	1.728922e-01	1.572331e-01	-2.458601e+00
##	851	852	853	854	855
##	-2.950414e+00	-1.255361e+00	-2.654159e-01	-1.548580e+00	2.010406e+00
##	856	857	858	859	860
##	2.750315e-01	1.390312e+00	9.294107e-01	1.744515e+00	-8.677521e-01
##	861	862	863	864	865
##	-7.862467e-01	-4.294816e-01	7.259360e-01	5.194975e-01	-2.099821e-01
##	866	867	868	869	870
##	-5.154076e-01	8.432335e-01	2.942211e-01	1.528381e+00	7.346768e-01
##	871	872	873	874	875
##	8.640808e-01	-2.282173e-01	-7.483448e-01	1.537499e+00	8.843504e-01
##	876	877	878	879	880
##	1.691442e+00	6.023593e-01	-5.812338e-02	2.747301e-01	3.398591e-01
##	881	882	883	884	885
##	1.164332e+00	1.115429e+00	-1.757178e+00	9.234328e-01	-3.342377e+00
##	886	887	888	889	890
##	3.491525e-01	4.043350e-01	-7.632645e-01	-3.227775e-02	-3.747512e-01
##	891	892	893	894	895
##	-6.888923e-01	8.766143e-01	1.319883e+00	9.492200e-03	-1.128042e+00
##	896	897	898	899	900
##	-1.596478e+00	-5.843042e-01	-1.222031e+00	7.077512e-01	-9.629715e-01
##	901	902	903	904	905
##	5.653113e-01	8.630068e-02	1.377050e+00	-9.066085e-01	1.393828e+00
##	906	907	908	909	910
##	-5.142774e-01	-1.611247e+00	6.183338e-01	3.628665e-01	6.691209e-01
##	911	912	913	914	915
##	-2.424392e+00	1.488721e+00	6.294166e-02	-2.211593e-01	4.796365e-01
##	916	917	918	919	920
##	2.059912e+00	-4.571106e-01	3.498306e-01	4.057918e-01	4.021057e-02
##	921	922	923	924	925
##	1.362030e+00	4.367111e-01	-8.574556e-01	-3.712865e-01	7.691864e-01
##	926	927	928	929	930
##	1.126220e-01	5.975603e-01	-1.113400e+00	-4.686409e-01	5.081430e-01
##	931	932	933	934	935
##	-2.729526e-01	-4.860974e-01	-1.361390e-01	1.015913e+00	4.322388e-01
##	936	937	938	939	940
##	8.792752e-01	-2.561742e-01	-1.010251e-01	-1.627424e+00	-8.110641e-01
##	941	942	943	944	945
##	3.519892e-01	6.661053e-01	-1.175289e+00	2.605625e-01	3.482216e-01
##	946	947	948	949	950
##	-9.529010e-01	4.074480e-01	-5.711045e-01	-1.809374e-02	2.140836e-01
##	951	952	953	954	955
##	-4.548826e+00	-3.797287e+00	-6.080974e-01	-4.841675e-01	-2.424450e+00
##	956	957	958	959	960
##	-6.355302e-01	-2.150678e-01	-4.196933e+00	-3.999384e-01	6.481666e-02
##	961	962	963	964	965
##	-3.652824e+00	-6.081681e-01	-2.692090e+00	1.416373e+00	1.521187e+00
##	966	967	968	969	970
##	1.750960e+00	1.608093e+00	1.015050e+00	-5.081845e-01	1.599804e+00
##	971	972	973	974	975
##	5.794669e-01	-2.060304e+00	9.585863e-01	1.535052e+00	1.424812e+00
##	976	977	978	979	980
##	1.039224e-01	1.036224e+00	7.010091e-01	2.191114e+00	1.692637e+00
##	981	982	983	984	985

##	2.313184e+00	1.505288e+00	2.428070e+00	1.681485e+00	1.894304e+00
##	986	987	988	989	990
##	2.306904e+00	1.204233e+00	6.572800e-01	1.615075e+00	1.000407e+00
##	991	992	993	994	995
##	3.813994e+00	6.410077e-01	1.196299e+00	3.301820e-01	1.274464e+00
##	996	997	998	999	1000
##	-2.641010e+00	1.873403e-01	-1.121139e-02	-4.339642e-01	-7.895535e-01
##	1001	1002	1003	1004	1005
##	1.232179e+00	3.938447e-01	3.388474e-01	2.218263e-01	1.629346e+00
##	1006	1007	1008	1009	1010
##	1.416269e-01	-7.870138e-02	-1.369482e-01	9.168200e-01	1.123654e-01
##	1011	1012	1013	1014	1015
##	-4.788440e-01	7.317813e-01	1.266527e+00	7.900282e-01	7.736015e-01
##	1016	1017	1018	1019	1020
##	1.125343e+00	1.391655e-01	-4.961058e-01	-8.105578e-01	-6.136392e-01
##	1021	1022	1023	1024	1025
##	3.082416e-01	-2.346822e+00	7.890324e-01	-1.127396e+00	-9.642365e-01
##	1026	1027	1028	1029	1030
##	1.979926e-01	-3.606231e+00	1.188263e-01	-3.210918e+00	2.045872e+00
##	1031	1032	1033	1034	1035
##	2.533209e+00	4.606336e-01	2.642522e+00	6.507082e-01	-4.306550e-02
##	1036	1037	1038	1039	1040
##	1.128653e+00	-2.511075e+00	3.006713e+00	1.488888e+00	1.875927e+00
##	1041	1042	1043	1044	1045
##	7.112587e-01	1.296176e+00	-1.144280e+00	-2.561363e+00	-3.195793e-01
##	1046	1047	1048	1049	1050
##	-2.661180e+00	4.122975e-01	8.899566e-01	-1.704771e-01	-2.044638e+00
##	1051	1052	1053	1054	1055
##	7.386410e-01	4.649966e-01	-2.222657e+00	-3.496493e-01	7.661443e-01
##	1056	1057	1058	1059	1060
##	-7.103013e-01	-1.731788e+00	-1.428089e-01	-2.539864e+00	-5.727845e-01
##	1061	1062	1063	1064	1065
##	-6.050444e-01	9.925997e-01	-2.386688e+00	-9.389701e-01	5.104666e-01
##	1066	1067	1068	1069	1070
##	-2.143844e+00	1.175800e+00	1.087061e+00	-8.639701e-01	-2.097301e+00
##	1071	1072	1073	1074	1075
##	1.272928e+00	1.030849e+00	2.567355e-01	7.391621e-01	1.401604e+00
##	1076	1077	1078	1079	1080
##	3.829496e-01	1.936375e+00	8.342560e-01	7.773152e-01	1.352023e+00
##	1081	1082	1083	1084	1085
##	1.654861e+00	7.836196e-01	7.623941e-01	-3.193045e-01	2.127789e-01
##	1086	1087	1088	1089	1090
##	1.046847e+00	-1.951648e+00	5.030838e-01	-2.735783e+00	-2.311226e+00
##	1091	1092	1093	1094	1095
##	2.571861e-01	1.484034e-01	1.101326e+00	1.275059e-01	2.786583e-02
##	1096	1097	1098	1099	1100
##	-6.251068e-01	1.018138e+00	3.959839e-01	-1.834325e+00	1.269461e+00
##	1101	1102	1103	1104	1105
##	7.089697e-01	7.275031e-02	1.068548e+00	-2.449421e+00	-2.525175e+00
##	1106	1107	1108	1109	1110
##	8.698707e-01	-5.753495e-01	-1.935397e+00	1.394067e+00	-5.499560e-01
##	1111	1112	1113	1114	1115
##	1.784185e-01	-6.722769e-01	1.450179e+00	1.217468e+00	-1.695277e+00
##	1116	1117	1118	1119	1120

##	-1.113260e+00	1.290609e+00	-3.759941e-01	1.088215e+00	1.839694e-01
##	1121	1122	1123	1124	1125
##	-9.081616e-03	-2.252728e+00	1.621094e+00	2.050346e-01	-9.717593e-02
##	1126	1127	1128	1129	1130
##	5.223656e-01	-1.699580e+00	5.743081e-01	6.557632e-01	1.086951e+00
##	1131	1132	1133	1134	1135
##	3.277825e-01	8.325132e-01	1.096395e+00	-9.895926e-02	-2.959645e+00
##	1136	1137	1138	1139	1140
##	-2.132535e+00	-2.835064e+00	1.183467e+00	1.592928e+00	-2.411009e+00
##	1141	1142	1143	1144	1145
##	-3.626734e+00	2.637930e+00	2.172006e+00	-1.056663e+00	-2.711713e+00
##	1146	1147	1148	1149	1150
##	2.560996e+00	2.250070e+00	-1.977938e+00	-3.259871e+00	-3.336203e+00
##	1151	1152	1153	1154	1155
##	-3.358256e+00	-2.734444e+00	-3.091209e+00	-2.607577e+00	-3.180049e+00
##	1156	1157	1158	1159	1160
##	-2.667909e+00	1.452271e+00	-1.684142e+00	-3.639769e+00	1.955520e+00
##	1161	1162	1163	1164	1165
##	-2.795529e+00	-2.989535e+00	1.885217e+00	-3.614627e+00	-3.600561e+00
##	1166	1167	1168	1169	1170
##	1.733233e+00	5.065575e-01	1.541915e+00	1.017568e+00	-2.915564e+00
##	1171	1172	1173	1174	1175
##	2.695223e+00	1.297122e+00	-3.578835e+00	-3.991612e+00	-2.795328e+00
##	1176	1177	1178	1179	1180
##	-4.364728e+00	-3.213053e+00	-2.821726e+00	-2.572463e+00	-2.027846e+00
##	1181	1182	1183	1184	1185
##	9.736124e-01	2.037126e+00	2.604344e-02	1.457449e+00	1.196732e+00
##	1186	1187	1188	1189	1190
##	2.097059e+00	1.367906e+00	1.116257e+00	1.950676e+00	6.154694e-01
##	1191	1192	1193	1194	1195
##	1.095108e+00	-2.530036e+00	1.399572e-01	-5.396396e-01	9.341500e-02
##	1196	1197	1198	1199	1200
##	1.601152e+00	-5.196351e-02	5.450730e-01	2.043994e+00	-1.504870e+00
##	1201	1202	1203	1204	1205
##	2.126052e+00	-1.073029e+00	-7.691860e-01	1.597987e+00	-1.859198e+00
##	1206	1207	1208	1209	1210
##	-1.511274e+00	-5.852023e-01	1.089615e+00	-1.982825e+00	-3.342058e-01
##	1211	1212	1213	1214	1215
##	1.322714e-01	-1.439464e+00	-1.929627e+00	-1.436902e+00	-3.598896e-02
##	1216	1217	1218	1219	1220
##	-3.598896e-02	-1.391038e+00	-4.362822e-01	1.905749e+00	2.866759e+00
##	1221	1222	1223	1224	1225
##	8.409288e-01	1.437815e+00	5.157110e-01	-4.093426e+00	2.582594e-01
##	1226	1227	1228	1229	1230
##	-1.221913e-01	1.410814e+00	-7.657700e-01	1.635337e+00	1.089626e-01
##	1231	1232	1233	1234	1235
##	1.277567e+00	1.755735e-01	1.019236e+00	-8.016123e-01	6.511933e-01
##	1236	1237	1238	1239	1240
##	-1.026501e-01	-1.895321e-01	-1.826249e-01	-1.646783e+00	-2.325828e+00
##	1241	1242	1243	1244	1245
##	-2.164249e+00	-9.394070e-01	-1.261259e+00	7.841624e-01	-1.280022e+00
##	1246	1247	1248	1249	1250
##	-3.829599e-01	-4.708702e-01	2.994225e-02	4.909439e-01	-3.484328e-02
##	1251	1252	1253	1254	1255

##	1.856584e+00	-6.630503e-01	-9.101536e-01	-6.852539e-01	2.132145e-01
##	1256	1257	1258	1259	1260
##	-1.090973e+00	1.195021e-01	2.700799e-01	-4.887618e-01	1.077649e+00
##	1261	1262	1263	1264	1265
##	-6.149759e-01	-2.936512e-01	-1.097478e+00	-1.060756e+00	-8.499225e-01
##	1266	1267	1268	1269	1270
##	1.443682e+00	-1.041843e+00	-1.234116e+00	-6.284993e-03	-8.350531e-01
##	1271	1272	1273	1274	1275
##	-1.019313e+00	-3.713639e-01	4.259323e-01	-5.065951e-01	-1.944657e+00
##	1276	1277	1278	1279	1280
##	-1.229821e+00	-4.275887e+00	-8.270658e-01	-1.494783e-01	1.957882e+00
##	1281	1282	1283	1284	1285
##	-2.246793e-01	1.700054e+00	2.000530e-01	2.087713e+00	-3.008096e-01
##	1286	1287	1288	1289	1290
##	2.892694e-01	-2.475660e+00	1.639847e-01	-3.484328e-02	2.813575e-01
##	1291	1292	1293	1294	1295
##	-3.612165e+00	-2.032643e+00	-7.606056e-01	-2.348818e+00	-1.289575e-01
##	1296	1297	1298	1299	1300
##	-4.091905e-01	1.481936e+00	-6.752070e-01	-4.982310e-01	-1.762858e+00
##	1301	1302	1303	1304	1305
##	9.620344e-01	-8.761458e-02	-1.444071e+00	-7.832613e-01	-2.597178e-01
##	1306	1307	1308	1309	1310
##	-6.732479e-01	1.200044e-01	-1.655357e+00	6.979509e-02	-2.819214e+00
##	1311	1312	1313	1314	1315
##	-5.003158e-01	-1.051765e+00	-4.353384e-02	-2.466175e-01	-2.551299e+00
##	1316	1317	1318	1319	1320
##	8.236527e-01	-6.027798e-01	-1.886972e-01	1.005501e+00	9.427586e-01
##	1321	1322	1323	1324	1325
##	2.107244e+00	-2.052044e+00	2.915694e-01	-1.428582e-01	9.768948e-02
##	1326	1327	1328	1329	1330
##	-1.846836e+00	1.043956e+00	-9.336993e-01	-1.985031e+00	-7.263063e-01
##	1331	1332	1333	1334	1335
##	-2.182076e+00	-8.387059e-01	5.520853e-01	-1.799891e+00	-2.427595e+00
##	1336	1337	1338	1339	1340
##	-9.211991e-02	1.409915e+00	2.447609e+00	2.195507e+00	-2.539718e+00
##	1341	1342	1343	1344	1345
##	-1.746240e+00	-2.690799e+00	-2.474539e+00	-7.022744e-03	-2.583724e+00
##	1346	1347	1348	1349	1350
##	1.299500e+00	-5.501577e-01	-2.477805e+00	1.152841e+00	1.635949e+00
##	1351	1352	1353	1354	1355
##	1.525509e+00	-2.026947e+00	1.068601e+00	1.434609e+00	-1.459322e+00
##	1356	1357	1358	1359	1360
##	-1.566749e+00	7.091232e-01	7.155375e-01	7.351758e-02	7.284413e-02
##	1361	1362	1363	1364	1365
##	1.922930e-01	1.121624e+00	-5.531967e-02	-1.319375e+00	-9.908108e-01
##	1366	1367	1368	1369	1370
##	-4.296574e-01	7.950406e-01	-3.843687e-01	-3.329624e-01	-1.047911e+00
##	1371	1372	1373	1374	1375
##	-1.425842e+00	-2.177760e+00	-4.840851e-02	-2.977614e-01	4.167210e-01
##	1376	1377	1378	1379	1380
##	5.047523e-01	2.319748e+00	1.823331e+00	1.783144e+00	2.299629e+00
##	1381	1382	1383	1384	1385
##	-1.038902e+00	7.767468e-01	4.904104e-01	-1.047417e+00	5.374047e-01
##	1386	1387	1388	1389	1390

##	-1.381985e-01	1.266357e+00	1.403673e+00	8.003318e-01	4.061169e-01
##	1391	1392	1393	1394	1395
##	-2.484631e-01	-5.940009e-01	2.140009e+00	2.093367e+00	-1.094788e+00
##	1396	1397	1398	1399	1400
##	1.133060e+00	3.977278e-01	-1.082839e-01	1.193467e+00	-1.817009e+00
##	1401	1402	1403	1404	1405
##	-1.904467e+00	7.342484e-01	-1.308360e+00	8.776678e-01	3.392549e-01
##	1406	1407	1408	1409	1410
##	1.351479e+00	1.703497e+00	-3.922342e-01	1.689959e+00	4.634596e-01
##	1411	1412	1413	1414	1415
##	1.000642e+00	-2.255455e+00	9.586960e-01	4.155108e-01	-2.595147e-01
##	1416	1417	1418	1419	1420
##	-1.266113e+00	-4.361140e-01	7.014202e-01	5.693724e-02	1.127258e+00
##	1421	1422	1423	1424	1425
##	6.281030e-01	-5.115159e-01	-4.419160e-01	6.436506e-01	5.156029e-01
##	1426	1427	1428	1429	1430
##	-2.535619e-01	-2.359817e+00	-1.109205e+00	2.678466e-01	-4.875038e-01
##	1431	1432	1433	1434	1435
##	-2.052634e+00	2.863329e-01	-3.317964e+00	-1.148144e-01	-2.455747e-01
##	1436	1437	1438	1439	1440
##	-8.769434e-03	2.758841e-01	3.251641e-01	-2.783778e-01	-6.102015e-01
##	1441	1442	1443	1444	1445
##	-3.910034e-01	-5.750374e-01	-1.436408e+00	-2.589740e+00	1.030682e+00
##	1446	1447	1448	1449	1450
##	-2.335184e-01	7.020733e-01	-1.807615e+00	-2.974232e-02	1.033771e+00
##	1451	1452	1453	1454	1455
##	1.887205e+00	3.919257e-01	7.061171e-01	-1.745098e+00	-1.292059e+00
##	1456	1457	1458	1459	1460
##	-2.093054e-01	-8.526078e-01	4.985483e-01	-6.773147e-01	-6.621690e-01
##	1461	1462	1463	1464	1465
##	9.314438e-01	-8.657442e-01	5.275587e-01	-2.069192e-01	9.850942e-01
##	1466	1467	1468	1469	1470
##	-7.992589e-01	4.516042e-01	5.121368e-01	5.101274e-01	9.368691e-01
##	1471	1472	1473	1474	1475
##	-1.055329e+00	-7.100927e-01	-1.127365e+00	-1.707824e+00	-2.027749e-01
##	1476	1477	1478	1479	1480
##	1.161065e+00	-5.787547e-01	-2.910061e+00	1.199570e+00	-5.098833e-01
##	1481	1482	1483	1484	1485
##	-1.830145e+00	4.932486e-01	-2.856109e+00	-6.806804e-01	-6.922092e-01
##	1486	1487	1488	1489	1490
##	-6.276328e-01	-6.202735e-01	-4.126042e-01	4.096082e-01	4.233474e-01
##	1491	1492	1493	1494	1495
##	1.220193e-02	-1.874428e+00	9.431015e-02	-3.202999e-01	2.125872e-01
##	1496	1497	1498	1499	1500
##	-3.131918e-01	6.694696e-01	9.410873e-01	-4.796939e-01	-8.399754e-01
##	1501	1502	1503	1504	1505
##	2.281317e+00	-1.356134e+00	1.682096e+00	6.626377e-01	-7.505329e-01
##	1506	1507	1508	1509	1510
##	-1.248231e+00	-6.316280e-01	8.137932e-01	-2.256031e-02	2.918823e-01
##	1511	1512	1513	1514	1515
##	-1.195937e+00	-6.448097e-02	-8.909885e-01	7.837027e-01	2.480025e-01
##	1516	1517	1518	1519	1520
##	5.031935e-01	-6.430061e-01	-7.156702e-01	1.559775e+00	9.452316e-01
##	1521	1522	1523	1524	1525

##	-3.902847e-01	7.668660e-01	-4.597777e-02	-5.277011e-01	-1.077944e+00
##	1526	1527	1528	1529	1530
##	-9.539405e-01	6.318171e-02	1.035109e+00	2.456794e+00	1.240718e+00
##	1531	1532	1533	1534	1535
##	7.654752e-01	2.462496e+00	3.383101e-01	4.476219e-01	-3.565757e-01
##	1536	1537	1538	1539	1540
##	2.261691e-01	-1.141693e-01	9.072730e-01	-2.966962e-01	-4.385835e-01
##	1541	1542	1543	1544	1545
##	3.030496e-02	-1.585264e-01	-2.199377e+00	-1.270340e+00	3.062177e-01
##	1546	1547	1548	1549	1550
##	1.660133e-01	6.549420e-02	5.538485e-01	-7.075387e-01	6.970418e-01
##	1551	1552	1553	1554	1555
##	-2.457334e-01	5.682658e-01	-2.048045e+00	3.847342e-01	-7.821369e-01
##	1556	1557	1558	1559	1560
##	-8.246101e-01	1.425036e-01	-4.401910e-01	9.205349e-01	7.728958e-01
##	1561	1562	1563	1564	1565
##	-2.932049e-01	-2.070174e+00	-1.057798e+00	7.225107e-01	5.617604e-01
##	1566	1567	1568	1569	1570
##	2.408744e-01	1.146325e+00	7.637649e-01	8.677000e-01	-1.768753e-01
##	1571	1572	1573	1574	1575
##	-6.382270e-02	-6.159245e-01	-1.485734e+00	-2.991460e-01	-4.416109e-01
##	1576	1577	1578	1579	1580
##	-3.722499e+00	-8.222374e-01	8.211577e-01	2.711155e-01	-1.701165e+00
##	1581	1582	1583	1584	1585
##	1.263271e+00	1.198142e+00	6.720367e-01	4.501763e-01	-4.225470e-01
##	1586	1587	1588	1589	1590
##	1.793853e-01	-8.584084e-01	1.767731e-01	-4.539457e-01	6.343839e-01
##	1591	1592	1593	1594	1595
##	2.642313e-01	-2.550423e-01	-1.429190e-01	1.530122e-01	5.268068e-01
##	1596	1597	1598	1599	1600
##	-6.322026e-01	-5.965540e-02	1.938851e-02	-1.128645e+00	7.777028e-01
##	1601	1602	1603	1604	1605
##	-1.876786e+00	-9.730613e-02	1.751656e-01	-2.617989e-01	6.953685e-01
##	1606	1607	1608	1609	1610
##	1.534761e+00	-3.069503e+00	1.118619e+00	4.411821e-01	-1.856190e+00
##	1611	1612	1613	1614	1615
##	-1.131307e+00	-3.099486e-01	1.041007e+00	1.437557e+00	-1.562118e+00
##	1616	1617	1618	1619	1620
##	1.532651e+00	4.302561e-01	9.914504e-01	7.116947e-01	1.541424e-01
##	1621	1622	1623	1624	1625
##	-6.153920e-02	-5.247762e-01	-5.674180e-02	1.941363e-02	8.138976e-01
##	1626	1627	1628	1629	1630
##	-2.133132e+00	1.389158e+00	1.561664e-01	1.552375e-01	1.116198e+00
##	1631	1632	1633	1634	1635
##	1.084424e+00	2.782617e-01	1.015452e+00	1.559466e+00	1.631243e-01
##	1636	1637	1638	1639	1640
##	2.408002e+00	-1.689506e-01	2.625668e+00	1.820284e+00	-3.372109e-01
##	1641	1642	1643	1644	1645
##	-5.580165e-01	2.053372e+00	-8.979781e-01	3.499965e-01	1.951739e-01
##	1646	1647	1648	1649	1650
##	-1.653705e+00	-1.041950e+00	-1.099000e-01	8.381749e-01	1.450985e+00
##	1651	1652	1653	1654	1655
##	1.315519e-01	2.239666e+00	8.301123e-01	-5.328992e-01	1.288954e+00
##	1656	1657	1658	1659	1660



##	-6.545169e-01	1.036177e+00	-2.627655e+00	-8.962239e-01	3.223133e-01
##	1661	1662	1663	1664	1665
##	-1.508406e+00	-2.130334e+00	1.701531e-01	-5.054501e-01	-1.569868e+00
##	1666	1667	1668	1669	1670
##	7.035928e-01	4.893739e-02	2.605752e-01	-1.777456e-01	-6.133035e-01
##	1671	1672	1673	1674	1675
##	-3.006191e-01	1.280887e+00	-2.537936e+00	-4.631275e-01	5.310626e-01
##	1676	1677	1678	1679	1680
##	2.269627e+00	6.243480e-01	-1.138379e+00	1.439980e+00	-1.140464e+00
##	1681	1682	1683	1684	1685
##	-3.309864e+00	-6.293534e-01	-8.387055e-01	-1.724213e+00	-9.045628e-01
##	1686	1687	1688	1689	1690
##	-1.641829e+00	-7.051823e-01	-6.064464e-01	1.739710e-01	-6.813460e-01
##	1691	1692	1693	1694	1695
##	-1.084553e+00	-1.287921e-01	4.843505e-02	3.383381e-01	2.582393e-01
##	1696	1697	1698	1699	1700
##	2.627855e-01	3.399707e-01	1.234100e-01	-7.958555e-01	5.509554e-01
##	1701	1702	1703	1704	1705
##	-1.630375e+00	-1.001767e+00	-1.639443e+00	-2.395170e+00	-5.002449e-02
##	1706	1707	1708	1709	1710
##	7.932613e-01	1.994443e+00	-8.842430e-01	-1.172413e+00	-2.041720e+00
##	1711	1712	1713	1714	1715
##	3.733013e-01	-3.324928e-01	-2.425185e+00	2.083816e-01	-9.298056e-01
##	1716	1717	1718	1719	1720
##	-4.608108e-02	-3.885043e-01	-4.343705e-01	-1.184044e+00	4.418440e-01
##	1721	1722	1723	1724	1725
##	-1.057881e+00	3.800054e-01	-1.199530e-01	-5.462929e-01	8.625827e-01
##	1726	1727	1728	1729	1730
##	4.758528e-01	-6.740391e-01	7.307289e-02	-4.737292e-01	5.945819e-01
##	1731	1732	1733	1734	1735
##	8.059936e-01	-1.267509e+00	5.287864e-02	4.371973e-01	1.117020e+00
##	1736	1737	1738	1739	1740
##	-2.318765e+00	-1.228164e-01	2.207371e-01	-1.549023e+00	-3.357036e+00
##	1741	1742	1743	1744	1745
##	-2.593034e-01	-1.365053e-01	-9.005714e-01	8.673666e-02	1.101498e+00
##	1746	1747	1748	1749	1750
##	1.034761e+00	5.524854e-01	-3.454053e-01	-5.617399e-01	2.626326e-01
##	1751	1752	1753	1754	1755
##	-5.821854e-01	4.690209e-01	-7.377615e-01	-1.735569e+00	-2.002590e+00
##	1756	1757	1758	1759	1760
##	3.817385e-01	6.688033e-01	-2.242146e-01	-4.970128e-01	-1.263540e+00
##	1761	1762	1763	1764	1765
##	1.075501e+00	9.648099e-01	3.519645e-01	1.465185e+00	2.321553e-01
##	1766	1767	1768	1769	1770
##	4.549200e-01	2.014872e-01	1.206478e+00	-1.025108e-02	4.101862e-01
##	1771	1772	1773	1774	1775
##	-1.131786e+00	4.472843e-01	7.226194e-01	1.373432e+00	1.155515e+00
##	1776	1777	1778	1779	1780
##	-2.509537e-02	-1.038902e+00	3.958191e-01	9.682366e-02	8.311258e-01
##	1781	1782	1783	1784	1785
##	-5.015692e-01	-3.994677e-01	4.347257e-01	1.395229e-01	1.735346e+00
##	1786	1787	1788	1789	1790
##	8.116851e-01	1.316592e+00	2.870867e-01	-8.497484e-02	5.829676e-01
##	1791	1792	1793	1794	1795

##	2.118606e-01	-5.320866e-01	7.541666e-01	1.043366e+00	2.823395e-01
##	1796	1797	1798	1799	1800
##	6.308913e-01	4.698396e-01	2.912812e-01	9.665077e-01	-7.138098e-01
##	1801	1802	1803	1804	1805
##	1.125877e+00	9.938855e-01	1.833776e-01	-4.196368e-01	-4.729900e-02
##	1806	1807	1808	1809	1810
##	1.351274e-01	1.463829e+00	-2.603936e-01	-2.450972e-01	2.313264e-01
##	1811	1812	1813	1814	1815
##	4.279943e-01	6.461123e-01	8.053556e-01	4.515572e-01	-3.832390e-01
##	1816	1817	1818	1819	1820
##	2.914600e-01	2.086736e-01	9.248663e-01	4.442230e-01	-7.634133e-01
##	1821	1822	1823	1824	1825
##	1.766743e-01	-9.401408e-02	-6.792706e-01	7.591177e-01	6.972289e-01
##	1826	1827	1828	1829	1830
##	-1.526879e-01	-4.584651e-01	6.220781e-01	1.262138e-01	6.597539e-01
##	1831	1832	1833	1834	1835
##	-2.809867e-01	6.290105e-01	-8.559201e-01	1.933019e-01	-7.856672e-01
##	1836	1837	1838	1839	1840
##	-4.417872e-01	4.406564e-01	2.561452e-01	1.143082e-01	7.112945e-01
##	1841	1842	1843	1844	1845
##	-9.809788e-01	1.086317e-01	5.212324e-01	-4.623582e-01	-1.987780e-01
##	1846	1847	1848	1849	1850
##	-2.542118e-01	-7.181045e-02	-2.639070e-01	3.362189e-01	-3.899704e-01
##	1851	1852	1853	1854	1855
##	-1.065975e+00	3.359678e-01	6.362945e-01	2.610179e-01	2.584560e-01
##	1856	1857	1858	1859	1860
##	-4.803422e-01	-1.636390e-01	1.327443e-01	-3.799737e-01	7.132536e-01
##	1861	1862	1863	1864	1865
##	5.189970e-01	-3.559868e-01	-1.544132e+00	4.003657e-02	7.290021e-01
##	1866	1867	1868	1869	1870
##	5.712408e-01	-6.204249e-03	5.648862e-01	1.293527e+00	-9.156285e-02
##	1871	1872	1873	1874	1875
##	-1.960199e-02	7.754336e-01	-9.766634e-02	1.788995e-01	-1.813569e-01
##	1876	1877	1878	1879	1880
##	-5.142356e-01	1.129416e-01	-2.439742e-01	5.740437e-01	9.132120e-03
##	1881	1882	1883	1884	1885
##	6.693385e-01	7.394155e-01	-1.057597e+00	-6.556958e-01	-1.368994e-01
##	1886	1887	1888	1889	1890
##	3.160144e-01	-7.354932e-01	-5.697643e-02	-9.992744e-01	-1.974501e+00
##	1891	1892	1893	1894	1895
##	3.216909e-01	-6.238220e-01	6.400769e-01	-4.192673e-01	-4.753039e-01
##	1896	1897	1898	1899	1900
##	-3.603925e-01	-1.485483e-02	-7.021124e-01	-3.860875e-01	1.456789e+00
##	1901	1902	1903	1904	1905
##	6.084849e-02	-5.033997e-03	-1.020699e+00	-1.179053e-02	5.951673e-01
##	1906	1907	1908	1909	1910
##	5.010279e-01	-8.435420e-02	5.331332e-02	-3.112884e-01	-7.865817e-01
##	1911	1912	1913	1914	1915
##	-8.401316e-01	-6.759152e-01	-7.199653e-02	-1.054733e+00	-3.975158e-01
##	1916	1917	1918	1919	1920
##	6.534895e-01	-1.586842e+00	5.194640e-01	-1.855923e+00	-2.628875e-01
##	1921	1922	1923	1924	1925
##	-8.841370e-01	-1.752490e+00	-3.791300e-01	-9.825714e-01	1.039999e-01
##	1926	1927	1928	1929	1930

##	6.930743e-01	1.013445e+00	-8.824039e-01	1.698944e+00	-1.858962e+00
##	1931	1932	1933	1934	1935
##	-1.863257e+00	-9.703896e-01	1.052527e+00	1.216392e+00	1.611165e-01
##	1936	1937	1938	1939	1940
##	-1.192702e+00	-1.630546e+00	1.924377e-01	-5.922246e-01	1.889734e+00
##	1941	1942	1943	1944	1945
##	5.559844e-01	-9.568263e-01	3.014967e-01	-1.363097e+00	-3.436896e-01
##	1946	1947	1948	1949	1950
##	1.895241e-01	-3.579311e-01	-5.870002e-01	-1.265793e+00	-2.595218e-01
##	1951	1952	1953	1954	1955
##	-1.091078e+00	-5.679384e-01	2.912969e-01	-2.440517e-01	-6.632331e-01
##	1956	1957	1958	1959	1960
##	-5.672742e-02	3.302788e-01	-9.711592e-02	-2.108216e-01	-4.878144e-01
##	1961	1962	1963	1964	1965
##	4.520723e-01	-2.505571e-01	3.786546e-01	-8.809242e-01	1.103887e-02
##	1966	1967	1968	1969	1970
##	-1.324949e-02	-6.853251e-02	9.704026e-02	-6.183235e-01	-9.086173e-02
##	1971	1972	1973	1974	1975
##	-6.048105e-01	7.471104e-02	2.733381e-01	2.653759e-01	8.019302e-01
##	1976	1977	1978	1979	1980
##	3.834520e-01	-1.049059e+00	-4.068365e-01	-3.595658e-01	-3.642125e-01
##	1981	1982	1983	1984	1985
##	-6.247926e-02	9.041070e-01	7.626831e-02	-2.093648e-01	-6.774746e-01
##	1986	1987	1988	1989	1990
##	6.017961e-01	7.301200e-01	-3.846580e-01	5.245606e-01	2.608046e-01
##	1991	1992	1993	1994	1995
##	4.148095e-02	-8.689321e-02	-4.062588e-01	4.052789e-01	9.523182e-02
##	1996	1997	1998	1999	2000
##	-9.108137e-01	4.525746e-01	2.360641e-01	3.018713e-01	-1.583517e-01
##	2001	2002	2003	2004	2005
##	-1.391281e+00	5.069897e-02	-8.212205e-01	2.134586e-01	3.500963e-01
##	2006	2007	2008	2009	2010
##	-1.845350e+00	5.799943e-01	-1.742772e+00	5.911213e-01	-9.715471e-01
##	2011	2012	2013	2014	2015
##	-1.712480e+00	6.494044e-02	3.090548e-01	-8.931562e-01	7.548102e-01
##	2016	2017	2018	2019	2020
##	-1.603898e+00	3.427128e-01	-2.128571e+00	-8.199637e-01	-1.402256e+00
##	2021	2022	2023	2024	2025
##	-1.598076e-01	4.381779e-02	-1.738074e+00	1.434885e+00	-1.189664e+00
##	2026	2027	2028	2029	2030
##	1.337877e-01	-1.181175e+00	-1.062169e+00	-1.541958e+00	3.566026e-01
##	2031	2032	2033	2034	2035
##	-2.125507e+00	-8.913217e-01	5.046436e-01	-8.367420e-01	-1.022635e+00
##	2036	2037	2038	2039	2040
##	-5.197626e-01	-6.434649e-01	2.503925e+00	-8.764523e-01	-3.078988e-01
##	2041	2042	2043	2044	2045
##	-6.728772e-01	-1.669780e+00	3.752145e-01	-3.591128e-01	4.381779e-02
##	2046	2047	2048	2049	2050
##	-1.227340e+00	9.990511e-01	-5.574690e-02	-1.292399e-01	-1.660311e+00
##	2051	2052	2053	2054	2055
##	1.279284e+00	7.178135e-01	1.059578e-01	-1.550674e+00	5.009262e-01
##	2056	2057	2058	2059	2060
##	-4.325556e-01	-3.334796e-01	1.023378e+00	-1.847747e+00	-1.169180e+00
##	2061	2062	2063	2064	2065

##	-4.464067e-01	-1.542322e+00	-9.847945e-01	1.668339e-01	1.583207e-01
##	2066	2067	2068	2069	2070
##	1.026171e+00	9.086225e-01	4.462395e-01	-1.495975e+00	-2.531458e+00
##	2071	2072	2073	2074	2075
##	-1.874592e+00	1.918486e+00	1.589235e-01	-7.251527e-01	6.144998e-01
##	2076	2077	2078	2079	2080
##	-8.764338e-01	-3.176006e-01	-3.477750e+00	-2.032906e+00	4.801728e-01
##	2081	2082	2083	2084	2085
##	-1.209689e+00	-3.235745e+00	1.539969e+00	-1.387770e+00	1.698936e+00
##	2086	2087	2088	2089	2090
##	-1.445314e+00	-4.564486e-01	-4.969878e-01	7.768575e-01	6.850792e-01
##	2091	2092	2093	2094	2095
##	-2.022759e+00	9.252752e-01	-4.902815e-01	6.654124e-01	-1.261230e+00
##	2096	2097	2098	2099	2100
##	8.067973e-01	-3.281335e+00	9.387369e-01	1.198399e-01	1.153263e+00
##	2101	2102	2103	2104	2105
##	1.530926e+00	-2.298246e+00	9.484572e-01	9.976619e-01	-1.393800e+00
##	2106	2107	2108	2109	2110
##	8.461684e-01	-2.337042e+00	-1.962297e-01	1.690611e-01	-2.257310e+00
##	2111	2112	2113	2114	2115
##	-4.638695e-01	-1.017105e-01	-8.159267e-01	-2.177178e+00	2.604486e-01
##	2116	2117	2118	2119	2120
##	-1.477515e+00	2.556324e-02	-1.265765e-01	2.871042e-01	8.550205e-01
##	2121	2122	2123	2124	2125
##	-2.265811e+00	3.256513e-01	-2.919557e+00	-2.557576e-01	-1.933099e-01
##	2126	2127	2128	2129	2130
##	-5.448255e-01	-2.956704e-01	1.219487e+00	7.260278e-01	-2.000031e+00
##	2131	2132	2133	2134	2135
##	-1.960542e+00	5.483391e-01	-1.780276e-01	-7.307683e-02	-3.546625e+00
##	2136	2137	2138	2139	2140
##	9.443939e-02	-1.643123e+00	-1.617998e+00	1.198187e+00	2.118332e-01
##	2141	2142	2143	2144	2145
##	5.286626e-02	-2.869196e-01	7.434896e-01	-2.516048e-01	-3.336125e-01
##	2146	2147	2148	2149	2150
##	-1.029787e+00	-1.592983e-02	-4.877821e-01	1.886524e+00	-9.506645e-01
##	2151	2152	2153	2154	2155
##	-1.140902e+00	-1.235567e+00	-2.241160e+00	-1.073560e+00	7.794631e-01
##	2156	2157	2158	2159	2160
##	1.012752e+00	2.132470e-02	1.549758e+00	-8.376343e-01	1.318907e-01
##	2161	2162	2163	2164	2165
##	-2.394424e-01	5.365058e-02	1.130453e-03	4.500004e-01	-4.332704e-02
##	2166	2167	2168	2169	2170
##	1.286881e+00	-1.911421e+00	-1.794624e-01	9.742991e-02	-1.824263e-01
##	2171	2172	2173	2174	2175
##	-6.434781e-01	1.242047e+00	1.195833e-01	-1.629530e+00	-1.329153e+00
##	2176	2177	2178	2179	2180
##	7.837549e-01	8.607141e-01	1.691265e+00	2.011711e+00	2.935598e+00
##	2181	2182	2183	2184	2185
##	6.688185e-01	-2.048514e+00	2.096708e+00	2.027535e+00	5.376814e-01
##	2186	2187	2188	2189	2190
##	2.502904e+00	-2.229436e-01	-1.115836e+00	8.950745e-01	-1.272668e+00
##	2191	2192	2193	2194	2195
##	9.356890e-01	2.053004e+00	1.978928e-02	1.725271e-01	6.874806e-01
##	2196	2197	2198	2199	2200

##	1.252618e+00	1.294338e+00	2.716397e-01	1.493892e+00	1.434666e+00
##	2201	2202	2203	2204	2205
##	1.123313e+00	4.106865e-01	9.152424e-01	8.250966e-01	1.049569e+00
##	2206	2207	2208	2209	2210
##	-1.914478e-01	1.492185e+00	3.823552e-01	4.084520e-01	1.199343e+00
##	2211	2212	2213	2214	2215
##	-6.084692e-01	-5.873707e-01	1.604635e+00	5.110559e-01	-2.264110e-01
##	2216	2217	2218	2219	2220
##	1.482716e+00	5.996444e-01	1.064062e+00	2.935795e-01	2.155042e+00
##	2221	2222	2223	2224	2225
##	4.303679e-01	6.510981e-01	1.832395e-01	5.047902e-01	1.025094e+00
##	2226	2227	2228	2229	2230
##	1.510911e+00	1.697759e+00	-2.818887e-01	3.797925e-02	7.966451e-01
##	2231	2232	2233	2234	2235
##	-2.230892e-01	7.913454e-01	1.444440e-02	-4.245796e-01	1.193842e-01
##	2236	2237	2238	2239	2240
##	-9.496624e-02	1.399308e+00	1.596471e-01	1.834188e+00	2.570517e-01
##	2241	2242	2243	2244	2245
##	5.432877e-01	-4.979973e-01	-5.125150e-01	3.807289e-01	4.435471e-01
##	2246	2247	2248	2249	2250
##	1.452356e+00	-6.415925e-01	-7.333457e-01	7.937818e-01	8.426599e-01
##	2251	2252	2253	2254	2255
##	4.419396e-01	1.312679e+00	7.851414e-01	-3.941627e-01	-8.261570e-03
##	2256	2257	2258	2259	2260
##	3.161274e-01	-4.696722e-02	7.635909e-01	1.471638e-01	-1.143567e-01
##	2261	2262	2263	2264	2265
##	-8.195732e-01	-7.754924e-01	3.684897e-02	9.503877e-01	-6.492532e-01
##	2266	2267	2268	2269	2270
##	-1.049346e+00	1.874016e-01	4.131302e-01	7.079060e-01	-3.894909e-01
##	2271	2272	2273	2274	2275
##	-6.911237e-01	4.602752e-01	2.451964e-01	-4.954605e-01	1.238934e+00
##	2276	2277	2278	2279	2280
##	2.838769e-01	-6.020400e-02	8.828726e-01	5.224404e-01	1.103226e+00
##	2281	2282	2283	2284	2285
##	-6.135939e-02	-4.077260e-01	-1.425132e-01	1.459263e+00	-6.895664e-01
##	2286	2287	2288	2289	2290
##	1.409154e+00	-7.683591e-01	5.383144e-01	2.250021e-01	4.234965e-02
##	2291	2292	2293	2294	2295
##	6.457839e-02	1.186063e+00	-8.676475e-01	1.412896e+00	4.672076e-01
##	2296	2297	2298	2299	2300
##	4.236292e-01	7.076548e-01	9.270287e-01	-1.410312e-01	-1.366357e-01
##	2301	2302	2303	2304	2305
##	-2.625484e-01	3.895169e-03	2.284181e-01	1.269226e+00	1.013859e+00
##	2306	2307	2308	2309	2310
##	2.805614e-01	4.258897e-01	2.429941e+00	7.412849e-01	1.116662e+00
##	2311	2312	2313	2314	2315
##	9.192907e-01	8.733513e-01	-1.680090e-01	4.817737e-01	-1.957888e+00
##	2316	2317	2318	2319	2320
##	-3.473436e+00	-5.817400e-01	-1.572588e-01	-1.362383e+00	2.489135e-02
##	2321	2322	2323	2324	2325
##	6.206218e-01	3.053252e-01	-7.716513e-01	5.657155e-01	-6.967266e-01
##	2326	2327	2328	2329	2330
##	-3.179062e+00	1.681349e-01	3.574937e-01	2.983426e-01	2.809615e-01
##	2331	2332	2333	2334	2335

##	-2.155040e-02	8.048064e-01	8.688051e-01	2.656400e-01	-1.432260e+00
##	2336	2337	2338	2339	2340
##	-9.731417e-01	3.039202e-02	1.480002e+00	-7.985099e-01	-1.026549e+00
##	2341	2342	2343	2344	2345
##	9.229012e-01	-2.959745e-01	1.384984e-01	-1.408554e-01	-4.563780e-01
##	2346	2347	2348	2349	2350
##	8.899305e-01	1.233358e+00	-3.336553e-01	5.415474e-02	-3.285314e-01
##	2351	2352	2353	2354	2355
##	1.602657e+00	9.215280e-01	2.893274e-01	2.209331e-01	5.586594e-01
##	2356	2357	2358	2359	2360
##	5.462515e-01	5.971390e-01	8.762667e-01	8.968378e-01	1.552196e+00
##	2361	2362	2363	2364	2365
##	1.335987e+00	-4.206865e-01	-3.946650e-01	4.728841e-01	8.574791e-01
##	2366	2367	2368	2369	2370
##	3.641013e-01	1.768205e+00	3.942923e-01	1.514840e-01	4.879795e-01
##	2371	2372	2373	2374	2375
##	-1.856063e+00	3.520931e-01	-9.613621e-01	5.965089e-01	-1.039527e+00
##	2376	2377	2378	2379	2380
##	-2.679508e-01	-2.289186e-01	-4.363618e-01	1.391092e+00	2.592850e-01
##	2381	2382	2383	2384	2385
##	4.079790e-01	5.396435e-01	7.688367e-02	-5.056100e-01	-1.952113e-01
##	2386	2387	2388	2389	2390
##	-7.327953e-01	8.468774e-01	1.288388e+00	5.814622e-02	5.544878e-01
##	2391	2392	2393	2394	2395
##	-3.099970e-01	5.921636e-01	1.093602e-01	2.903048e-01	6.656315e-01
##	2396	2397	2398	2399	2400
##	3.570915e-01	-6.331050e-01	1.404303e-01	-2.553419e-01	8.419796e-01
##	2401	2402	2403	2404	2405
##	-1.118495e+00	-1.376098e+00	-5.166630e-02	7.879022e-01	-8.580047e-01
##	2406	2407	2408	2409	2410
##	3.335817e-01	8.409498e-01	6.403385e-01	2.359762e-01	-8.027468e-01
##	2411	2412	2413	2414	2415
##	-3.319495e-01	1.306925e+00	-7.615560e-02	3.819073e-01	-1.409479e+00
##	2416	2417	2418	2419	2420
##	3.118805e-01	5.078200e-01	1.100160e+00	5.317301e-02	6.081884e-01
##	2421	2422	2423	2424	2425
##	7.311624e-01	-1.363715e+00	-7.261644e-01	-1.137827e-02	7.600472e-01
##	2426	2427	2428	2429	2430
##	-1.728318e-01	-5.765913e-01	-8.481085e-01	-5.451947e-01	-3.537512e-01
##	2431	2432	2433	2434	2435
##	-2.375087e-01	3.426239e-01	-1.281707e+00	9.489272e-02	4.636136e-01
##	2436	2437	2438	2439	2440
##	9.978822e-01	3.726390e-01	-1.790633e+00	-4.588417e-01	7.194075e-01
##	2441	2442	2443	2444	2445
##	-7.815730e-01	-1.341010e-01	-7.726815e-01	2.407234e-01	5.969610e-01
##	2446	2447	2448	2449	2450
##	2.406982e-01	1.241543e-01	1.719273e-01	6.703284e-01	9.465175e-01
##	2451	2452	2453	2454	2455
##	-1.738288e+00	-2.660921e-01	-7.597461e-01	1.021265e-01	-1.860937e-01
##	2456	2457	2458	2459	2460
##	-1.125302e+00	6.558116e-01	8.960749e-01	3.855522e-01	2.489384e-01
##	2461	2462	2463	2464	2465
##	-9.618400e-03	1.146616e-01	-2.724451e-01	-1.681672e+00	-8.518493e-01
##	2466	2467	2468	2469	2470

##	-1.191535e+00	-2.128419e-01	-1.861436e+00	-6.590611e-02	-1.449751e-01
##	2471	2472	2473	2474	2475
##	-8.649605e-01	8.613466e-01	7.428184e-01	-1.523345e-01	3.603584e-01
##	2476	2477	2478	2479	2480
##	-5.331619e-01	-7.627952e-02	-2.110083e-01	-6.020334e-01	2.358082e+00
##	2481	2482	2483	2484	2485
##	-1.238630e+00	7.777062e-01	1.469508e-02	5.916629e-01	-1.056329e+00
##	2486	2487	2488	2489	2490
##	1.368112e+00	-1.026439e+00	1.662910e-02	-6.258947e-01	-1.922709e-01
##	2491	2492	2493	2494	2495
##	-3.719093e-01	1.207588e+00	-4.443474e-01	2.594876e-01	-7.117956e-01
##	2496	2497	2498	2499	2500
##	4.892600e-01	-1.074500e-01	1.504398e+00	4.969459e-01	-2.000572e-01
##	2501	2502	2503	2504	2505
##	-3.750238e-01	-5.873147e-01	1.500267e-01	1.177120e+00	-3.641732e-01
##	2506	2507	2508	2509	2510
##	6.353418e-01	2.166362e+00	-9.362181e-01	2.691828e-01	2.053385e+00
##	2511	2512	2513	2514	2515
##	-3.007020e-01	-9.051983e-01	2.406380e-02	-3.562613e-01	-1.537675e+00
##	2516	2517	2518	2519	2520
##	-5.605397e-01	2.770445e-01	-1.115656e+00	-4.966163e-01	2.613463e-01
##	2521	2522	2523	2524	2525
##	-2.072823e+00	1.560800e-01	7.663533e-01	4.659763e-01	-2.434598e-01
##	2526	2527	2528	2529	2530
##	-3.586976e-01	-2.511959e-01	-4.163668e-01	9.306083e-02	-9.725376e-01
##	2531	2532	2533	2534	2535
##	1.098679e+00	-1.517431e+00	-4.607238e-01	-7.650190e-01	-6.374738e-01
##	2536	2537	2538	2539	2540
##	-1.035456e+00	1.053971e+00	-2.056271e+00	-2.684514e-01	-4.045115e-01
##	2541	2542	2543	2544	2545
##	-1.520646e+00	4.603501e-01	7.228502e-01	-1.339500e+00	-1.724810e+00
##	2546	2547	2548	2549	2550
##	-1.558660e+00	-4.899969e-01	7.663920e-01	-1.700034e-01	-1.434179e+00
##	2551	2552	2553	2554	2555
##	-5.784095e-01	-3.601659e-01	-5.447776e-01	7.476399e-02	-2.071267e-01
##	2556	2557	2558	2559	2560
##	3.291513e-01	-9.975658e-01	-6.365559e-01	-1.158115e+00	1.601456e+00
##	2561	2562	2563	2564	2565
##	1.509201e+00	-9.255017e-01	-2.963237e+00	1.600369e-03	1.714847e+00
##	2566	2567	2568	2569	2570
##	-2.148912e+00	1.488892e+00	-7.884369e-01	-2.860421e-01	2.628159e+00
##	2571	2572	2573	2574	2575
##	-9.155301e-01	-9.603030e-02	1.629674e+00	-1.764216e+00	3.908421e-01
##	2576	2577	2578	2579	2580
##	8.316494e-01	-4.821323e-01	-1.071935e+00	-1.399388e+00	3.318417e-01
##	2581	2582	2583	2584	2585
##	-7.248401e-01	4.527560e-01	2.312974e-01	1.203797e-01	-1.196743e+00
##	2586	2587	2588	2589	2590
##	3.260898e-01	-2.282474e-01	-3.873650e-01	-2.321154e-01	1.068128e+00
##	2591	2592	2593	2594	2595
##	-7.496057e-01	-8.522849e-01	-1.174665e+00	-1.582016e+00	5.954582e-02
##	2596	2597	2598	2599	2600
##	-1.443092e+00	-3.961812e-01	-3.331621e-01	5.559125e-01	-1.366058e+00
##	2601	2602	2603	2604	2605

##	-5.689124e-01	-6.164844e-01	-3.953272e-01	-8.792608e-01	-2.218565e-02
##	2606	2607	2608	2609	2610
##	1.013147e+00	-5.818477e-01	-3.479449e-02	-8.722812e-03	7.198275e-01
##	2611	2612	2613	2614	2615
##	1.435568e+00	-5.120470e-01	-1.929716e-02	4.029737e-01	7.532586e-01
##	2616	2617	2618	2619	2620
##	-1.647446e+00	-2.712417e+00	-1.006254e+00	3.437835e-02	2.172067e-01
##	2621	2622	2623	2624	2625
##	6.274797e-01	1.078110e+00	2.224559e+00	1.043798e+00	2.157388e+00
##	2626	2627	2628	2629	2630
##	2.044953e+00	-3.027369e-01	9.891678e-01	1.172434e+00	-1.750696e-01
##	2631	2632	2633	2634	2635
##	-2.846255e-01	-5.076665e-01	5.118418e-01	2.189036e+00	-1.066341e-01
##	2636	2637	2638	2639	2640
##	3.956656e-01	6.006222e-01	1.317324e+00	-5.251858e-01	4.040934e-02
##	2641	2642	2643	2644	2645
##	2.461486e+00	3.353035e-01	3.012980e+00	2.494452e+00	-6.521265e-01
##	2646	2647	2648	2649	2650
##	8.844916e-01	2.619611e-01	5.021320e-01	6.669010e-01	-1.754626e+00
##	2651	2652	2653	2654	2655
##	-3.623527e-01	1.957772e-01	-2.099485e+00	1.344840e+00	4.688015e-01
##	2656	2657	2658	2659	2660
##	7.055062e-01	-5.521927e-02	8.504578e-01	-1.638804e-02	4.065359e-01
##	2661	2662	2663	2664	2665
##	-9.588406e-02	-3.839787e-01	1.247209e+00	1.071134e-01	1.594832e+00
##	2666	2667	2668	2669	2670
##	1.118605e-01	1.530431e+00	-4.585271e-01	1.663728e+00	1.846247e-01
##	2671	2672	2673	2674	2675
##	-3.301610e-02	1.641374e+00	-1.932431e+00	-1.959708e+00	-2.112949e+00
##	2676	2677	2678	2679	2680
##	-1.132699e+00	1.397033e+00	-1.806945e+00	-1.612513e+00	-1.238015e+00
##	2681	2682	2683	2684	2685
##	-1.647853e+00	-1.931887e-01	-1.141515e+00	9.229375e-02	-1.147819e+00
##	2686	2687	2688	2689	2690
##	-1.672493e+00	-1.657950e+00	-7.146977e-01	-2.660906e+00	4.850770e-01
##	2691	2692	2693	2694	2695
##	-1.688367e+00	-1.779618e+00	-9.560743e-01	-4.008350e-01	-5.967242e-01
##	2696	2697	2698	2699	2700
##	-5.377490e-01	-1.167136e+00	-1.902720e+00	-1.061468e+00	-1.204260e+00
##	2701	2702	2703	2704	2705
##	-1.751087e+00	-1.701656e+00	-2.243309e+00	5.764010e-01	6.226428e-01
##	2706	2707	2708	2709	2710
##	-2.650596e-03	5.082589e-01	4.150549e-02	-1.412656e+00	-2.090370e+00
##	2711	2712	2713	2714	2715
##	6.002131e-01	2.378469e-01	-1.619189e-01	-6.279942e-01	3.624534e-01
##	2716	2717	2718	2719	2720
##	-1.205791e+00	-5.731633e-01	8.229025e-01	1.780679e-01	1.242260e+00
##	2721	2722	2723	2724	2725
##	9.012682e-01	-4.895481e-01	2.656014e-01	6.874955e-01	1.853267e-01
##	2726	2727	2728	2729	2730
##	-2.538982e-01	5.511843e-01	1.246705e+00	4.669160e-01	-6.982220e-01
##	2731	2732	2733	2734	2735
##	-1.827166e+00	-1.526940e+00	2.836918e-02	-1.389875e+00	-1.152893e+00
##	2736	2737	2738	2739	2740



##	-3.387687e-01	5.888106e-01	2.484721e-01	1.167486e+00	-4.480035e-01
##	2741	2742	2743	2744	2745
##	-6.060411e-01	-5.969117e-02	7.173103e-01	3.674524e-01	-8.581679e-01
##	2746	2747	2748	2749	2750
##	4.155017e-01	5.093145e-01	-2.587703e-01	9.497200e-01	5.681276e-01
##	2751	2752	2753	2754	2755
##	8.339934e-01	8.772202e-01	2.460761e+00	8.117902e-01	1.839185e+00
##	2756	2757	2758	2759	2760
##	1.659220e+00	1.921419e+00	2.284139e-01	1.473623e+00	-1.161454e-01
##	2761	2762	2763	2764	2765
##	-1.509077e-01	1.508593e+00	3.776395e-01	6.843209e-01	-3.543770e-01
##	2766	2767	2768	2769	2770
##	4.995586e-01	9.561144e-01	1.063986e-01	-1.546950e-01	-1.156126e-01
##	2771	2772	2773	2774	2775
##	3.036873e-02	4.741650e-01	6.345888e-01	3.636241e-01	2.673498e-01
##	2776	2777	2778	2779	2780
##	1.322499e+00	3.180615e-01	2.986710e-01	9.356941e-01	3.276814e-01
##	2781	2782	2783	2784	2785
##	-2.149581e+00	5.832240e-01	1.325890e+00	-1.404930e+00	2.953555e-01
##	2786	2787	2788	2789	2790
##	-7.211387e-01	7.587432e-01	4.151647e-01	-2.446398e-01	3.016779e-02
##	2791	2792	2793	2794	2795
##	5.671239e-01	-1.069816e+00	-1.105892e-01	-6.457117e-01	7.931287e-01
##	2796	2797	2798	2799	2800
##	3.735203e-01	4.219966e-01	2.259817e-01	-4.355307e-01	2.998766e-01
##	2801	2802	2803	2804	2805
##	6.200208e-01	-5.388379e-01	-4.103884e-01	8.569014e-01	-8.263297e-01
##	2806	2807	2808	2809	2810
##	-3.955764e-02	1.269075e+00	1.058209e-01	-5.520998e-01	6.474990e-01
##	2811	2812	2813	2814	2815
##	-5.982653e-01	-4.946096e-03	-1.013252e+00	-1.328197e+00	1.679609e-01
##	2816	2817	2818	2819	2820
##	-2.517171e+00	-1.100560e+00	-8.847775e-01	-9.752246e-01	5.744560e-01
##	2821	2822	2823	2824	2825
##	-6.462679e-02	3.163262e-01	-6.877601e-01	3.407653e-01	3.833139e-01
##	2826	2827	2828	2829	2830
##	-2.025706e-01	-1.116965e-01	3.810031e-01	-6.738969e-02	-9.213016e-02
##	2831	2832	2833	2834	2835
##	5.617969e-01	1.762223e-01	-5.275122e-01	1.477896e-01	5.259295e-01
##	2836	2837	2838	2839	2840
##	-2.237947e-01	4.479154e-01	3.505861e-01	-1.246744e+00	-1.998854e+00
##	2841	2842	2843	2844	2845
##	2.844022e-01	-1.927346e+00	1.487943e-01	-3.000755e+00	-4.182271e-01
##	2846	2847	2848	2849	2850
##	1.265153e-01	3.902211e-01	-1.482082e-03	-5.971874e-01	-1.109453e+00
##	2851	2852	2853	2854	2855
##	4.803166e-01	-1.229363e+00	5.776797e-03	-2.958056e+00	-9.650056e-02
##	2856	2857	2858	2859	2860
##	-1.632873e-01	-6.892420e-01	-5.814439e-02	7.795654e-01	7.383229e-01
##	2861	2862	2863	2864	2865
##	3.526228e-01	-1.643149e-01	7.424422e-01	-3.337809e-01	2.925172e-01
##	2866	2867	2868	2869	2870
##	-8.476542e-01	2.104675e+00	-6.209964e-01	9.096475e-01	-6.798963e-01
##	2871	2872	2873	2874	2875

##	6.105265e-01	-9.633442e-01	1.094711e+00	3.843207e-01	-2.315788e-01
##	2876	2877	2878	2879	2880
##	-2.477795e-01	-7.054656e-01	-7.868705e-01	3.536394e-04	-3.049032e-02
##	2881	2882	2883	2884	2885
##	6.402904e-01	-4.897840e-01	2.490644e-01	-2.561435e-01	4.142353e-01
##	2886	2887	2888	2889	2890
##	2.705145e-01	7.972408e-02	2.175631e+00	-4.105936e+00	-1.617350e-02
##	2891	2892	2893	2894	2895
##	-3.450907e-02	-4.160398e-01	-2.565956e-01	-9.847441e-01	3.427768e-01
##	2896	2897	2898	2899	2900
##	-7.223946e-01	6.256188e-03	5.578808e-01	3.486291e-01	-1.754788e+00
##	2901	2902	2903	2904	2905
##	-6.562358e-01	3.640009e-01	-2.241693e-01	-1.837574e+00	-1.445218e+00
##	2906	2907	2908	2909	2910
##	3.388836e-01	4.420832e-02	-1.340605e+00	-7.585203e-02	6.105767e-01
##	2911	2912	2913	2914	2915
##	-3.667365e+00	-7.314368e-01	-1.031663e+00	8.263768e-02	3.923511e-02
##	2916	2917	2918	2919	2920
##	-2.164023e+00	7.373434e-01	5.868912e-01	-5.522505e-01	1.238633e+00
##	2921	2922	2923	2924	2925
##	-1.685891e+00	7.726079e-01	-2.277933e-02	1.183727e+00	-9.607822e-01
##	2926	2927	2928	2929	2930
##	1.763357e+00	1.610092e+00	1.406765e-02	4.304108e-01	-5.133188e-01
##	2931	2932	2933	2934	2935
##	-2.702091e-01	1.024132e+00	-1.924706e+00	5.052602e-01	-1.428648e-01
##	2936	2937	2938	2939	2940
##	-4.648426e-01	-7.550470e-01	-9.263034e-02	5.086510e-01	9.666134e-01
##	2941	2942	2943	2944	2945
##	4.764005e-01	-3.546353e-02	-4.324916e-01	-2.202761e-01	5.644866e-01
##	2946	2947	2948	2949	2950
##	3.964021e-01	4.011421e-02	-3.950167e-01	-5.525807e-02	-1.057235e+00
##	2951	2952	2953	2954	2955
##	1.170287e+00	2.902294e-01	9.745734e-01	3.478734e-01	7.046386e-01
##	2956	2957	2958	2959	2960
##	-2.472290e-01	-3.786675e-01	-2.028720e-01	8.688801e-01	-7.423901e-01
##	2961	2962	2963	2964	2965
##	6.185116e-01	5.292450e-01	-8.989207e-01	-5.782239e-01	1.571936e+00
##	2966	2967	2968	2969	2970
##	1.418219e+00	-5.232423e-01	3.521419e-02	4.583641e-01	3.169872e-02
##	2971	2972	2973	2974	2975
##	-1.016920e+00	-6.579450e-01	1.287015e-01	-1.711336e+00	1.118320e+00
##	2976	2977	2978	2979	2980
##	-3.742756e-01	-1.274469e+00	-4.624606e-01	-6.395606e-01	4.410532e-01
##	2981	2982	2983	2984	2985
##	1.231775e+00	1.350547e-01	2.007755e-01	1.489054e+00	-1.506224e-01
##	2986	2987	2988	2989	2990
##	1.333617e+00	3.127670e-01	-3.459010e-01	-1.100619e+00	2.321642e-01
##	2991	2992	2993	2994	2995
##	-8.443143e-03	-5.079071e-01	2.917391e-01	1.920630e-01	-9.118871e-02
##	2996	2997	2998	2999	3000
##	-3.722505e-01	-1.247673e-01	1.961838e-01	8.201787e-01	-5.169118e-01
##	3001	3002	3003	3004	3005
##	8.767176e-01	-5.275364e-01	-8.252007e-01	-2.142492e-01	1.126006e+00
##	3006	3007	3008	3009	3010

##	-3.291354e-01	-4.058937e-01	-8.757617e-01	5.429850e-01	-9.635212e-01
##	3011	3012	3013	3014	3015
##	-8.187958e-01	3.296141e-01	-8.385630e-01	-4.037085e-01	-1.281078e+00
##	3016	3017	3018	3019	3020
##	-4.329951e-01	-1.471542e+00	-1.598912e+00	9.528982e-01	1.501264e-01
##	3021	3022	3023	3024	3025
##	-5.192728e-01	-5.814563e-02	-1.888740e-02	-2.636552e-03	-1.539786e+00
##	3026	3027	3028	3029	3030
##	-2.295639e-02	-8.874663e-01	-4.949465e-01	-1.675607e+00	-2.055555e+00
##	3031	3032	3033	3034	3035
##	-7.666931e-02	-3.424631e-02	-8.741413e-01	8.857475e-01	-1.424811e+00
##	3036	3037	3038	3039	3040
##	1.098010e-01	-1.519503e+00	5.933830e-01	3.878738e-01	-5.868756e-01
##	3041	3042	3043	3044	3045
##	1.385351e-01	5.523767e-01	-1.492090e+00	3.420826e-02	3.639975e-01
##	3046	3047	3048	3049	3050
##	4.257105e-01	1.512294e-01	-4.922237e-01	-1.467601e+00	1.315124e-01
##	3051	3052	3053	3054	3055
##	-4.991310e-01	-5.583825e-01	-8.635317e-01	-1.399132e+00	3.088903e-01
##	3056	3057	3058	3059	3060
##	-6.672406e-01	-1.324489e+00	-1.475894e-01	4.438978e-01	-1.692487e+00
##	3061	3062	3063	3064	3065
##	2.988458e-01	-1.374715e+00	-1.594978e+00	-4.917582e-01	-1.468081e+00
##	3066	3067	3068	3069	3070
##	4.188714e-01	-1.113681e+00	3.967432e-01	-6.270351e-01	4.035499e-01
##	3071	3072	3073	3074	3075
##	-7.689474e-01	-3.546387e-01	5.889133e-02	-6.092521e-01	4.714669e-01
##	3076	3077	3078	3079	3080
##	6.375420e-01	3.073007e-01	1.642832e-01	3.563547e-01	-1.003593e+00
##	3081	3082	3083	3084	3085
##	5.131113e-01	-1.333005e+00	4.656397e-01	-6.584083e-02	-2.569327e-01
##	3086	3087	3088	3089	3090
##	4.081966e-01	2.586235e-01	1.588579e-01	-9.242472e-01	-2.576611e-01
##	3091	3092	3093	3094	3095
##	3.130526e-01	-9.766435e-02	-1.760552e-01	-3.136474e-01	-1.563884e-01
##	3096	3097	3098	3099	3100
##	-1.443505e+00	-4.373953e-01	-4.978650e-01	2.245897e-01	-2.211407e-01
##	3101	3102	3103	3104	3105
##	9.722022e-02	-1.480262e-02	-4.698766e-01	8.169544e-01	-1.267474e+00
##	3106	3107	3108	3109	3110
##	-1.633432e+00	1.056020e+00	9.995315e-01	7.049818e-01	8.061773e-02
##	3111	3112	3113	3114	3115
##	3.327947e-01	4.599381e-01	2.626644e-01	6.285219e-01	-3.470312e-01
##	3116	3117	3118	3119	3120
##	-2.142616e-01	1.041625e+00	3.719910e-01	5.002647e-01	-1.879724e-01
##	3121	3122	3123	3124	3125
##	1.321598e+00	5.584111e-01	2.360095e+00	1.981578e+00	4.119526e-01
##	3126	3127	3128	3129	3130
##	7.922776e-01	2.226270e+00	1.214850e+00	5.234479e-01	2.137104e+00
##	3131	3132	3133	3134	3135
##	-9.933313e-01	-4.516211e-03	-7.169413e-01	-1.533226e+00	1.263828e+00
##	3136	3137	3138	3139	3140
##	8.499719e-01	-1.037795e-01	-9.733631e-01	-3.790141e-01	1.532482e+00
##	3141	3142	3143	3144	3145

##	-1.789805e-01	7.752481e-01	2.622728e-02	1.521004e+00	-1.796335e-01
##	3146	3147	3148	3149	3150
##	-8.921339e-01	1.239088e+00	7.171520e-01	5.958358e-01	7.990090e-01
##	3151	3152	3153	3154	3155
##	-5.197459e-01	-1.212127e+00	-6.399821e-01	1.870278e-01	-6.218977e-01
##	3156	3157	3158	3159	3160
##	1.575339e-02	2.752897e-01	8.587881e-01	5.257838e-01	8.655446e-01
##	3161	3162	3163	3164	3165
##	2.169675e-01	5.101609e-01	1.825569e-01	3.162308e-01	-4.441431e-01
##	3166	3167	3168	3169	3170
##	3.232887e-01	-1.187136e+00	1.927401e+00	2.229008e+00	2.037056e-01
##	3171	3172	3173	3174	3175
##	1.014289e+00	2.051455e+00	1.905775e+00	-7.637347e-01	2.502007e+00
##	3176	3177	3178	3179	3180
##	2.444395e-02	1.473331e+00	1.585304e+00	5.076994e-01	9.037479e-01
##	3181	3182	3183	3184	3185
##	-1.292025e+00	1.592864e+00	6.606382e-01	4.980293e-01	-9.570369e-01
##	3186	3187	3188	3189	3190
##	-1.564120e+00	-1.132989e-01	-1.274720e+00	-7.237732e-01	-1.365242e+00
##	3191	3192	3193	3194	3195
##	1.257669e-01	-8.276078e-01	7.340559e-01	-4.897308e-01	-7.645635e-01
##	3196	3197	3198	3199	3200
##	1.948895e-01	3.808323e-01	4.867768e-01	8.286223e-01	8.004658e-01
##	3201	3202	3203	3204	3205
##	-3.149149e-01	-2.744511e-01	-5.902060e-02	9.032707e-01	1.798424e+00
##	3206	3207	3208	3209	3210
##	5.376140e-01	2.289233e-01	3.269056e-01	7.359146e-01	-4.902834e-01
##	3211	3212	3213	3214	3215
##	-3.895131e-01	-6.376713e-01	4.785132e-01	-4.239739e-01	4.460869e-01
##	3216	3217	3218	3219	3220
##	2.090242e-02	1.072711e+00	3.274331e-01	1.554711e+00	-2.994427e-01
##	3221	3222	3223	3224	3225
##	7.646487e-01	1.236319e-01	-3.126606e-02	-3.565844e-01	1.321874e+00
##	3226	3227	3228	3229	3230
##	-2.260250e-01	4.617851e-01	2.077953e+00	-9.322964e-01	-2.266279e-01
##	3231	3232	3233	3234	3235
##	2.110656e+00	1.736309e+00	6.557906e-01	-1.110635e-01	2.567312e+00
##	3236	3237	3238	3239	3240
##	1.526925e-01	1.312173e-01	4.036388e-01	6.659380e-01	1.048976e+00
##	3241	3242	3243	3244	3245
##	-4.339768e-02	-4.905122e-02	-1.716509e+00	7.897637e-01	2.701134e-01
##	3246	3247	3248	3249	3250
##	-7.010694e-01	1.435728e-01	-2.346424e-01	2.280169e-01	-6.480469e-01
##	3251	3252	3253	3254	3255
##	-1.218484e+00	7.105691e-01	3.004550e-01	2.110076e+00	-3.888622e-01
##	3256	3257	3258	3259	3260
##	-8.529538e-02	-3.457610e-01	-3.631170e-01	6.085932e-01	-1.687699e+00
##	3261	3262	3263	3264	3265
##	-3.832616e-02	8.837022e-01	5.314330e-01	-5.613422e-01	1.356685e+00
##	3266	3267	3268	3269	3270
##	7.193602e-01	-1.778775e-01	1.266181e-02	1.230873e+00	3.385076e-01
##	3271	3272	3273	3274	3275
##	-1.397167e+00	-1.973683e+00	-4.857384e-01	-9.021742e-02	-1.170409e+00
##	3276	3277	3278	3279	3280

##	-1.126127e+00	2.617252e-01	5.807391e-01	-3.988249e-02	-6.304137e-01
##	3281	3282	3283	3284	3285
##	-6.838882e-01	-2.295560e+00	-8.514374e-02	1.225699e+00	-4.264539e-02
##	3286	3287	3288	3289	3290
##	-8.604796e-02	-2.631177e+00	7.611059e-01	-4.318368e-01	-1.797855e-01
##	3291	3292	3293	3294	3295
##	-1.273440e+00	-1.265715e+00	-3.753346e-01	1.563062e+00	-1.162684e+00
##	3296	3297	3298	3299	3300
##	-1.250293e+00	-2.491707e-01	-1.093662e+00	-1.250293e+00	-2.491707e-01
##	3301	3302	3303	3304	3305
##	-1.093662e+00	3.897613e-01	-5.276706e-01	-6.831964e-01	5.516167e-01
##	3306	3307	3308	3309	3310
##	9.358605e-01	6.442746e-01	-5.333969e-01	-1.294273e+00	5.343930e-01
##	3311	3312	3313	3314	3315
##	-4.549275e-01	1.365875e+00	1.576954e+00	7.559546e-02	-2.730878e+00
##	3316	3317	3318	3319	3320
##	-2.459965e+00	-1.846391e+00	1.078644e+00	7.154820e-01	5.308703e-01
##	3321	3322	3323	3324	3325
##	1.898428e+00	-2.649216e+00	9.235845e-01	-5.189017e-02	-2.178994e-01
##	3326	3327	3328	3329	3330
##	4.018017e-02	-9.155618e-01	6.151371e-01	6.996611e-01	4.856372e-01
##	3331	3332	3333	3334	3335
##	-1.398007e-01	7.059514e-01	2.612822e-01	-8.484597e-01	-2.630478e-01
##	3336	3337	3338	3339	3340
##	-2.337783e-01	-9.892025e-01	-6.710536e-01	3.224819e-01	9.672333e-01
##	3341	3342	3343	3344	3345
##	3.334315e-01	7.605813e-01	-7.262251e-01	4.241856e-02	1.557766e+00
##	3346	3347	3348	3349	3350
##	1.351478e+00	1.149310e+00	-3.531527e-01	7.275161e-01	6.405351e-01
##	3351	3352	3353	3354	3355
##	6.786231e-02	6.128308e-01	1.104651e+00	3.390279e-01	9.862989e-01
##	3356	3357	3358	3359	3360
##	-1.171261e-01	-9.791139e-02	1.069588e+00	1.124454e-01	1.635604e+00
##	3361	3362	3363	3364	3365
##	8.332345e-01	6.011513e-01	2.962784e-01	1.123028e+00	2.457332e-01
##	3366	3367	3368	3369	3370
##	2.383236e-01	1.001234e+00	1.116020e+00	-8.813773e-01	8.568354e-01
##	3371	3372	3373	3374	3375
##	1.424260e-01	-1.023414e-01	1.024394e-01	1.269185e+00	2.312406e-01
##	3376	3377	3378	3379	3380
##	1.183359e+00	4.541560e-01	-6.465563e-01	-6.083279e-01	4.431044e-01
##	3381	3382	3383	3384	3385
##	8.558307e-01	2.071103e+00	4.284862e-01	-7.294683e-01	5.276239e-01
##	3386	3387	3388	3389	3390
##	-6.735574e-01	5.266192e-01	1.769388e-02	4.425769e-01	4.210515e-01
##	3391	3392	3393	3394	3395
##	1.161281e+00	3.677527e-01	-8.425712e-01	-4.742522e-01	8.757738e-01
##	3396	3397	3398	3399	3400
##	-1.415847e+00	2.423424e-01	3.628063e-02	2.484207e-01	4.620688e-01
##	3401	3402	3403	3404	3405
##	-4.668036e+00	1.264930e+00	-4.768203e+00	-5.182236e+00	-4.142128e+00
##	3406	3407	3408	3409	3410
##	1.255062e+00	7.332943e-01	9.364676e-01	-2.127210e-01	6.482976e-01
##	3411	3412	3413	3414	3415

##	1.440595e+00	-1.187194e+00	1.022444e+00	6.606804e-01	1.455390e+00
##	3416	3417	3418	3419	3420
##	-1.272341e+00	1.574169e+00	6.049453e-01	6.699989e-01	1.852066e+00
##	3421	3422	3423	3424	3425
##	4.198564e-01	1.574671e+00	1.198591e+00	1.113418e+00	-4.457084e-01
##	3426	3427	3428	3429	3430
##	8.282626e-01	2.021281e+00	6.912732e-01	1.039725e+00	6.146405e-01
##	3431	3432	3433	3434	3435
##	-1.498547e+00	1.865202e+00	-3.556916e-02	1.134894e+00	-6.927648e-02
##	3436	3437	3438	3439	3440
##	6.467404e-01	8.733229e-01	-1.087859e-01	-6.839738e-02	5.674955e-01
##	3441	3442	3443	3444	3445
##	2.995951e-01	4.860654e-01	1.718769e+00	9.796943e-01	1.123211e-01
##	3446	3447	3448	3449	3450
##	1.053313e+00	1.096088e+00	3.854458e-01	6.717571e-01	8.142220e-01
##	3451	3452	3453	3454	3455
##	5.131418e-01	9.156203e-01	-1.438341e+00	1.830264e+00	1.471084e-01
##	3456	3457	3458	3459	3460
##	-1.314667e-01	1.586828e+00	-2.546165e-01	6.386777e-01	4.894814e-01
##	3461	3462	3463	3464	3465
##	2.032533e+00	1.760401e-02	4.571053e-01	1.621285e-01	1.019555e+00
##	3466	3467	3468	3469	3470
##	5.442369e-01	-1.325866e+00	6.200407e-01	1.007348e+00	3.063768e-01
##	3471	3472	3473	3474	3475
##	7.024755e-01	1.681093e+00	1.103849e+00	-7.259413e-01	2.273131e+00
##	3476	3477	3478	3479	3480
##	3.213068e+00	1.942664e+00	3.547023e-01	-1.607129e+00	1.891826e+00
##	3481	3482	3483	3484	3485
##	1.700760e+00	-3.652328e-01	1.071473e+00	-6.175102e-01	-6.798763e-01
##	3486	3487	3488	3489	3490
##	6.366181e-01	1.135044e+00	1.142755e+00	-3.318269e-01	8.775677e-01
##	3491	3492	3493	3494	3495
##	1.035856e+00	-4.613313e-01	3.140580e+00	-8.786289e-01	3.171772e-01
##	3496	3497	3498	3499	3500
##	9.525677e-01	-5.950554e-01	1.207784e+00	6.318710e-01	1.163904e+00
##	3501	3502	3503	3504	3505
##	2.879910e-01	-4.207167e-01	9.718075e-01	1.166567e+00	1.361727e+00
##	3506	3507	3508	3509	3510
##	6.591483e-01	6.486744e-01	-7.805713e-01	1.266031e+00	7.287732e-01
##	3511	3512	3513	3514	3515
##	1.729368e+00	3.393306e-01	1.044899e+00	1.092295e+00	5.392135e-01
##	3516	3517	3518	3519	3520
##	2.311507e-01	2.323742e+00	-9.018875e-01	1.306319e+00	-9.258996e-01
##	3521	3522	3523	3524	3525
##	-6.097490e-01	1.464934e+00	1.587858e+00	-4.085600e-01	4.761910e-02
##	3526	3527	3528	3529	3530
##	5.204007e-01	1.524914e+00	1.711959e-01	1.718166e+00	8.518225e-01
##	3531	3532	3533	3534	3535
##	1.204667e+00	1.058761e+00	6.647975e-01	6.936572e-01	9.916982e-01
##	3536	3537	3538	3539	3540
##	6.612308e-01	3.543988e-01	4.308556e-01	-2.217653e-01	6.801190e-01
##	3541	3542	3543	3544	3545
##	7.630561e-01	-7.482727e-01	2.535029e-01	1.025707e+00	8.095229e-01
##	3546	3547	3548	3549	3550

##	4.041811e-01	1.117335e+00	8.546837e-01	-4.652015e-03	1.735547e-01
##	3551	3552	3553	3554	3555
##	7.734546e-01	-4.536727e-01	3.447286e-01	-7.776827e-02	-3.122125e-01
##	3556	3557	3558	3559	3560
##	6.017281e-01	6.120011e-01	-4.390545e-01	6.466880e-01	1.839533e-01
##	3561	3562	3563	3564	3565
##	8.494091e-01	-1.600777e+00	1.338843e+00	1.095106e+00	-2.614506e-01
##	3566	3567	3568	3569	3570
##	-6.831688e-01	-1.208772e+00	1.256584e+00	-8.825996e-01	-6.463470e-01
##	3571	3572	3573	3574	3575
##	-1.777175e+00	-1.862925e+00	-8.688605e-01	9.472909e-01	-7.395821e-01
##	3576	3577	3578	3579	3580
##	7.809898e-01	1.132254e+00	8.426777e-01	-7.292087e-01	4.917900e-01
##	3581	3582	3583	3584	3585
##	8.468997e-02	-1.455825e+00	-3.900257e-01	7.856113e-01	-5.244279e-01
##	3586	3587	3588	3589	3590
##	1.120901e+00	2.363526e+00	7.896301e-01	5.702562e-01	7.501458e-01
##	3591	3592	3593	3594	3595
##	-5.022494e-01	7.836522e-01	5.221567e-01	3.956161e-01	7.045580e-01
##	3596	3597	3598	3599	3600
##	-4.699966e-02	1.072726e+00	2.819616e-01	6.763523e-01	-5.229200e-01
##	3601	3602	3603	3604	3605
##	-5.344237e-01	5.729949e-01	7.647901e-01	9.590395e-03	2.473752e-01
##	3606	3607	3608	3609	3610
##	4.482126e-01	-4.880716e-02	-1.394301e-01	-1.930052e-01	1.420375e+00
##	3611	3612	3613	3614	3615
##	1.204578e-01	1.784033e-01	3.643210e-01	-2.200062e-01	6.598754e-01
##	3616	3617	3618	3619	3620
##	-3.116338e-01	1.305062e+00	-5.358302e-01	1.163350e+00	-4.445542e-01
##	3621	3622	3623	3624	3625
##	-1.608802e-01	6.059488e-01	8.889697e-01	5.274179e-02	-8.516794e-01
##	3626	3627	3628	3629	3630
##	1.432532e+00	1.188241e+00	4.808147e-01	-2.400106e+00	-2.756269e+00
##	3631	3632	3633	3634	3635
##	6.046427e-01	-6.442362e-01	-6.144113e-02	-2.534372e-01	1.297501e+00
##	3636	3637	3638	3639	3640
##	2.183899e-01	-7.824455e-02	8.587142e-02	2.397144e-01	3.951901e-01
##	3641	3642	3643	3644	3645
##	9.227021e-01	-2.677792e-01	-3.732464e-01	6.637184e-01	9.313424e-01
##	3646	3647	3648	3649	3650
##	4.015196e-01	8.662888e-01	7.528343e-01	1.631787e+00	1.045274e+00
##	3651	3652	3653	3654	3655
##	8.649827e-01	-1.509047e+00	1.134792e+00	-6.251220e-01	7.514277e-01
##	3656	3657	3658	3659	3660
##	1.229696e-01	5.832930e-01	1.161040e+00	4.695371e-01	1.842570e+00
##	3661	3662	3663	3664	3665
##	1.883260e+00	1.294939e+00	3.116609e-02	-1.459104e-01	2.301197e-01
##	3666	3667	3668	3669	3670
##	-2.402256e-01	1.395760e+00	-6.731963e-01	1.100206e+00	-5.975181e-01
##	3671	3672	3673	3674	3675
##	-2.620166e-02	1.720023e+00	2.762600e-01	1.226682e-01	5.791738e-01
##	3676	3677	3678	3679	3680
##	-7.317697e-01	-2.995525e-01	7.746612e-01	-4.397317e-01	3.146643e-01
##	3681	3682	3683	3684	3685

##	5.307227e-01	1.175945e-01	-7.748960e-01	-2.477105e-01	7.257328e-01
##	3686	3687	3688	3689	3690
##	7.032529e-01	-7.450209e-02	7.667241e-01	2.273819e-01	2.682727e-01
##	3691	3692	3693	3694	3695
##	1.556973e-01	3.534201e-01	3.545755e-01	-7.831991e-02	7.078672e-03
##	3696	3697	3698	3699	3700
##	2.859553e-01	1.098422e+00	2.479529e-01	4.964628e-01	3.186328e-01
##	3701	3702	3703	3704	3705
##	2.033698e-01	4.791319e-01	6.805469e-01	-1.162555e+00	1.326085e+00
##	3706	3707	3708	3709	3710
##	2.149277e+00	1.239280e+00	7.775130e-01	5.602065e-02	1.532135e+00
##	3711	3712	3713	3714	3715
##	2.064344e+00	1.803007e-01	7.652810e-01	6.878697e-01	-4.713909e-01
##	3716	3717	3718	3719	3720
##	-8.088158e-01	-3.712485e-01	7.464430e-01	5.642929e-01	-1.419785e-01
##	3721	3722	3723	3724	3725
##	2.590510e-02	9.574311e-01	2.476226e-01	1.134110e+00	-4.752262e-01
##	3726	3727	3728	3729	3730
##	1.589762e+00	-1.624664e-01	7.190243e-02	9.849137e-01	4.829223e-02
##	3731	3732	3733	3734	3735
##	1.159780e+00	-5.006950e-01	2.763818e-01	4.616465e-01	1.148529e-01
##	3736	3737	3738	3739	3740
##	1.320128e+00	-1.402361e-02	7.512983e-01	-1.691052e-03	8.925325e-01
##	3741	3742	3743	3744	3745
##	-3.411504e-01	1.702664e+00	5.332808e-01	-3.797305e-01	1.133783e+00
##	3746	3747	3748	3749	3750
##	1.239201e+00	5.565896e-01	1.385636e-01	6.387480e-01	2.472458e-01
##	3751	3752	3753	3754	3755
##	1.632287e-01	1.062300e+00	1.133407e+00	6.607005e-01	1.018169e+00
##	3756	3757	3758	3759	3760
##	3.462077e-01	6.293291e-01	-2.834561e-01	1.612242e+00	5.612865e-01
##	3761	3762	3763	3764	3765
##	2.233441e+00	2.853486e-01	2.322257e-01	2.001508e+00	-7.179324e-02
##	3766	3767	3768	3769	3770
##	-9.231401e-02	1.362225e+00	1.861105e-01	1.266880e+00	1.761011e+00
##	3771	3772	3773	3774	3775
##	5.268508e-01	5.020601e-01	1.269894e+00	-6.673227e-01	-1.266493e-01
##	3776	3777	3778	3779	3780
##	-1.396349e-01	1.292022e+00	9.262414e-02	6.990796e-01	2.833644e-01
##	3781	3782	3783	3784	3785
##	3.064722e-01	-2.877261e-01	-1.188378e-01	-1.599296e-01	-7.613852e-02
##	3786	3787	3788	3789	3790
##	2.000756e-01	1.340893e+00	1.052296e+00	3.954301e-01	1.641471e+00
##	3791	3792	3793	3794	3795
##	8.800419e-01	1.148570e+00	2.733604e-01	-6.619944e-02	1.647535e-01
##	3796	3797	3798	3799	3800
##	2.456812e-01	4.672403e-01	-3.543694e-01	3.705749e-02	-1.920870e-01
##	3801	3802	3803	3804	3805
##	8.490581e-02	5.297319e-01	1.630706e-01	3.647620e-01	1.843952e-01
##	3806	3807	3808	3809	3810
##	3.623247e-01	2.830799e-01	7.339090e-01	-7.019676e-01	-4.315555e-01
##	3811	3812	3813	3814	3815
##	-5.534243e-01	-2.352895e-01	-9.286757e-01	3.652886e-01	-2.627677e-01
##	3816	3817	3818	3819	3820



##	8.376432e-01	5.058446e-01	9.174406e-01	-2.485514e-01	-5.534243e-01
##	3821	3822	3823	3824	3825
##	-3.586151e-01	-5.123044e-02	7.301665e-01	1.331347e+00	1.051592e+00
##	3826	3827	3828	3829	3830
##	-1.292697e-01	1.701349e+00	-5.798698e-02	-3.620310e-01	-1.407184e+00
##	3831	3832	3833	3834	3835
##	-1.605657e-01	5.596959e-01	-1.397687e-01	-2.838662e-01	-3.996064e-01
##	3836	3837	3838	3839	3840
##	-9.296804e-01	-3.970696e-01	-3.692899e-01	-5.017552e-02	1.475251e-02
##	3841	3842	3843	3844	3845
##	-5.884377e-01	-1.316561e+00	9.244010e-02	4.855750e-01	-9.193823e-01
##	3846	3847	3848	3849	3850
##	-1.115673e+00	1.231836e-01	8.049908e-01	-2.783907e-01	-3.845109e-01
##	3851	3852	3853	3854	3855
##	-7.388146e-01	-3.880776e-01	-1.008950e+00	4.235856e-01	-8.899952e-01
##	3856	3857	3858	3859	3860
##	-3.708648e-03	3.996489e-01	-2.341592e-01	-9.956382e-01	5.881286e-01
##	3861	3862	3863	3864	3865
##	-2.900702e-01	1.961491e-01	-5.820580e-01	-7.095028e-01	-4.863864e-01
##	3866	3867	3868	3869	3870
##	-5.828868e-01	-1.486351e-01	-1.604078e+00	5.810485e-02	5.304092e-01
##	3871	3872	3873	3874	3875
##	-3.015812e-01	3.281580e-01	-9.014560e-01	6.414703e-01	5.842030e-01
##	3876	3877	3878	3879	3880
##	-3.051607e-02	-1.539672e-01	7.656750e-01	-9.081372e-01	1.410095e-01
##	3881	3882	3883	3884	3885
##	-6.303063e-03	-4.097862e-01	2.267597e-01	-1.498744e+00	3.964768e-01
##	3886	3887	3888	3889	3890
##	-5.627501e-01	1.347804e-01	-4.571199e-02	8.594376e-01	-1.251076e-01
##	3891	3892	3893	3894	3895
##	-1.233120e-02	3.819842e-01	2.695846e-01	6.356020e-03	8.982688e-01
##	3896	3897	3898	3899	3900
##	-7.524240e-01	-8.334732e-01	-1.476073e+00	-3.812838e-01	-1.666383e+00
##	3901	3902	3903	3904	3905
##	-6.075507e-01	-2.007538e+00	-5.213817e-02	-3.896902e-01	-9.246636e-01
##	3906	3907	3908	3909	3910
##	-3.577599e-01	4.327590e-02	-1.402055e-01	-5.247345e-01	-5.411000e-01
##	3911	3912	3913	3914	3915
##	-1.367402e+00	-1.477062e+00	-1.597672e+00	-3.522974e-02	-5.287079e-01
##	3916	3917	3918	3919	3920
##	-4.483328e-01	-4.733244e-01	-4.214574e-01	-4.031720e-01	-6.966166e-01
##	3921	3922	3923	3924	3925
##	-9.881523e-01	-5.950174e-01	-7.364776e-01	-1.151967e+00	1.621414e-01
##	3926	3927	3928	3929	3930
##	3.950786e-01	-6.748026e-02	1.703045e-01	-9.251834e-01	-4.300977e-01
##	3931	3932	3933	3934	3935
##	-2.302277e-02	-6.454779e-01	-9.842469e-02	-8.444817e-01	-4.492119e-01
##	3936	3937	3938	3939	3940
##	-7.428825e-01	6.982184e-01	-5.796457e-01	-4.320317e-01	-1.942593e-01
##	3941	3942	3943	3944	3945
##	-5.264095e-01	-1.625345e-02	-6.364966e-02	-6.897971e-01	2.664912e-01
##	3946	3947	3948	3949	3950
##	2.754329e-01	2.532795e-01	-7.398557e-01	-3.067091e-01	-1.488073e+00
##	3951	3952	3953	3954	3955

##	-1.726310e+00	-5.903831e-01	5.008349e-01	1.871459e-01	9.333301e-02
##	3956	3957	3958	3959	3960
##	4.953343e-01	-1.456323e-01	-8.105607e-01	3.907980e-02	-2.928929e-02
##	3961	3962	3963	3964	3965
##	-2.898052e-01	1.757929e-01	-4.088106e-01	-1.368590e+00	-3.820425e-03
##	3966	3967	3968	3969	3970
##	4.598938e-01	-1.908410e+00	2.722430e-01	-1.957313e+00	-7.587941e-01
##	3971	3972	3973	3974	3975
##	-6.852241e-02	1.764483e+00	2.769172e+00	-7.615821e-01	1.091318e-01
##	3976	3977	3978	3979	3980
##	-8.802359e-01	-1.569553e+00	-1.269711e+00	-1.546818e-01	1.327707e-02
##	3981	3982	3983	3984	3985
##	-6.477330e-01	-4.081147e-01	-1.587243e+00	-8.532171e-01	9.401782e-01
##	3986	3987	3988	3989	3990
##	-3.213347e-01	-1.093463e+00	1.147144e+00	1.874628e-01	-9.522816e-01
##	3991	3992	3993	3994	3995
##	8.140372e-01	-3.397065e-02	4.391787e-02	2.557817e-01	-2.094647e-01
##	3996	3997	3998	3999	4000
##	6.442969e-03	4.523240e-01	1.830171e-01	9.875973e-01	6.031027e-01
##	4001	4002	4003	4004	4005
##	1.215360e+00	8.719575e-01	5.781362e-01	-1.755079e+00	-5.618343e-01
##	4006	4007	4008	4009	4010
##	-1.121647e+00	-5.472663e-01	-9.387937e-01	-2.739407e-01	1.163543e+00
##	4011	4012	4013	4014	4015
##	9.690105e-01	4.960280e-01	-4.249203e-01	4.600099e-01	-5.304127e-01
##	4016	4017	4018	4019	4020
##	9.018381e-02	1.124036e-02	1.645559e-01	-1.976361e+00	-9.734052e-01
##	4021	4022	4023	4024	4025
##	2.107775e+00	-2.105950e-01	-4.631236e-01	-1.610353e+00	1.143717e-01
##	4026	4027	4028	4029	4030
##	-6.876214e-01	6.276674e-01	1.606059e+00	3.874713e-01	2.713041e-01
##	4031	4032	4033	4034	4035
##	-4.642685e-04	-1.371262e+00	-1.078404e-01	-7.205501e-01	-7.827744e-02
##	4036	4037	4038	4039	4040
##	7.932653e-01	5.603281e-01	-2.452657e-02	6.636353e-01	2.683152e-01
##	4041	4042	4043	4044	4045
##	3.640621e-01	2.649981e+00	-8.857712e-01	4.241084e-02	-5.790737e-02
##	4046	4047	4048	4049	4050
##	7.135683e-01	-5.891619e-01	-4.767372e-01	-8.104034e-02	-1.543324e-01
##	4051	4052	4053	4054	4055
##	3.091307e-01	6.996444e-02	-4.111812e-01	8.569123e-01	-6.280936e-01
##	4056	4057	4058	4059	4060
##	-1.107456e+00	6.690014e-02	8.890373e-01	-1.559641e+00	6.358054e-01
##	4061	4062	4063	4064	4065
##	-1.751044e-01	-8.576399e-01	-1.345140e+00	-2.110186e+00	-9.733801e-01
##	4066	4067	4068	4069	4070
##	2.391541e-01	-9.827991e-01	-1.203705e+00	-7.468981e-01	-1.338300e+00
##	4071	4072	4073	4074	4075
##	-2.806887e-01	-7.894884e-01	-3.744262e-01	6.399498e-02	3.365169e-01
##	4076	4077	4078	4079	4080
##	-1.086274e+00	8.455175e-01	-1.832331e+00	1.143483e+00	-2.468810e-01
##	4081	4082	4083	4084	4085
##	-8.810659e-01	1.518383e+00	-5.204578e-01	-1.122844e+00	-3.448130e-01
##	4086	4087	4088	4089	4090

##	-5.890781e-01	-1.130815e-01	3.177710e-01	1.650215e+00	9.512778e-01
##	4091	4092	4093	4094	4095
##	2.015344e+00	2.169488e+00	-1.319027e-01	-8.265699e-01	1.398364e+00
##	4096	4097	4098	4099	4100
##	1.808780e+00	6.271650e-01	1.872276e+00	6.543670e-01	8.492767e-01
##	4101	4102	4103	4104	4105
##	2.188728e+00	4.862323e-01	-2.023104e+00	9.473846e-01	-5.242338e-01
##	4106	4107	4108	4109	4110
##	1.842663e+00	2.128933e+00	7.678300e-01	7.283457e-01	9.046854e-02
##	4111	4112	4113	4114	4115
##	7.543671e-01	-1.947376e-01	1.069337e+00	1.801119e-01	3.768049e-01
##	4116	4117	4118	4119	4120
##	9.355879e-01	8.445129e-01	1.908621e-01	1.233704e+00	1.106084e+00
##	4121	4122	4123	4124	4125
##	2.678213e-01	1.308478e+00	-5.016952e-01	6.850687e-01	1.736200e+00
##	4126	4127	4128	4129	4130
##	-3.480532e-01	7.698896e-01	-8.290230e-01	1.038820e+00	-2.934064e-02
##	4131	4132	4133	4134	4135
##	1.213209e+00	6.744190e-01	-6.274655e-02	1.362907e+00	2.191198e+00
##	4136	4137	4138	4139	4140
##	1.010086e+00	3.576907e-01	9.630913e-01	3.419171e-01	1.085663e+00
##	4141	4142	4143	4144	4145
##	1.016842e-01	-1.736319e+00	-4.456202e-01	-8.433515e-01	-1.193976e-01
##	4146	4147	4148	4149	4150
##	-7.251750e-01	-8.988857e-01	-5.377251e-01	-6.857911e-01	1.329552e-01
##	4151	4152	4153	4154	4155
##	-4.695067e-01	-9.464577e-01	2.369405e-01	-1.066292e+00	6.543135e-01
##	4156	4157	4158	4159	4160
##	-8.983080e-01	-1.229052e+00	5.418887e-01	9.169894e-01	-1.671841e-02
##	4161	4162	4163	4164	4165
##	1.136715e+00	-1.860172e+00	8.387995e-01	-6.502000e-01	1.284254e+00
##	4166	4167	4168	4169	4170
##	-1.322712e-02	3.278648e-01	-1.202427e+00	-1.787999e-01	3.833488e-01
##	4171	4172	4173	4174	4175
##	7.965639e-02	-1.287851e+00	-7.019918e-01	1.073607e-01	5.341275e-01
##	4176	4177	4178	4179	4180
##	-1.935122e+00	-8.227438e-02	1.473035e+00	-5.743460e-01	-9.757193e-01
##	4181	4182	4183	4184	4185
##	-8.091805e-02	-1.069213e+00	6.820355e-01	2.660147e-02	1.115182e+00
##	4186	4187	4188	4189	4190
##	-2.634272e-01	1.048521e+00	9.429031e-01	-1.326614e+00	8.128210e-01
##	4191	4192	4193	4194	4195
##	2.285776e-03	-3.559613e-01	2.893003e-01	-1.774029e-01	1.400964e+00
##	4196	4197	4198	4199	4200
##	2.220113e-01	-4.587661e-01	-2.047255e+00	7.225977e-01	-6.220783e-01
##	4201	4202	4203	4204	4205
##	8.152049e-01	3.606082e-01	1.655729e-01	-1.219943e-01	7.726070e-02
##	4206	4207	4208	4209	4210
##	-8.072425e-01	-4.746904e-01	4.807187e-01	-4.064218e-01	-9.783159e-01
##	4211	4212	4213	4214	4215
##	6.989875e-01	-2.347204e-01	-9.310946e-02	-3.500085e-01	-1.521878e+00
##	4216	4217	4218	4219	4220
##	6.994898e-01	4.781317e-01	3.025874e-01	3.362193e-01	9.477485e-01
##	4221	4222	4223	4224	4225

##	1.179354e+00	-9.891164e-01	1.387928e+00	-3.663598e-01	4.100891e-01
##	4226	4227	4228	4229	4230
##	-2.033741e-01	5.233176e-01	3.268757e-01	-7.080546e-01	2.183442e-01
##	4231	4232	4233	4234	4235
##	-3.247154e-01	5.635302e-01	-9.623916e-01	-3.610852e-01	-3.621903e-01
##	4236	4237	4238	4239	4240
##	-1.192189e+00	-1.077127e+00	-1.427990e+00	-1.194323e-01	1.753258e+00
##	4241	4242	4243	4244	4245
##	1.001676e-01	-7.834565e-01	-2.630024e-01	3.202950e-01	-7.545205e-02
##	4246	4247	4248	4249	4250
##	-5.148528e-01	3.801242e-01	-1.053165e+00	5.582054e-01	-1.135851e+00
##	4251	4252	4253	4254	4255
##	-7.203610e-02	3.292367e-01	7.718274e-01	-1.444542e+00	4.617301e-01
##	4256	4257	4258	4259	4260
##	-1.039652e+00	-4.199851e-01	-5.664436e-01	1.892835e-01	-1.138187e+00
##	4261	4262	4263	4264	4265
##	-1.964920e-01	1.362108e-01	1.684638e+00	-1.875000e-01	-8.096538e-01
##	4266	4267	4268	4269	4270
##	1.403551e+00	1.901124e-01	-5.071158e-02	-1.434972e+00	-8.988953e-01
##	4271	4272	4273	4274	4275
##	-1.413899e+00	-3.364201e-01	-3.529723e-01	1.100545e+00	-1.227696e+00
##	4276	4277	4278	4279	4280
##	-1.026533e+00	1.076039e+00	-1.138698e+00	6.584648e-01	4.161749e-01
##	4281	4282	4283	4284	4285
##	4.498823e-01	6.587571e-01	-6.574932e-02	8.493467e-01	2.201028e-02
##	4286	4287	4288	4289	4290
##	6.796547e-01	1.061562e+00	7.507113e-01	1.731406e-01	8.579368e-01
##	4291	4292	4293	4294	4295
##	6.488539e-02	2.899106e-01	-3.044886e-01	8.485429e-01	1.828359e-01
##	4296	4297	4298	4299	4300
##	4.767577e-01	1.407552e+00	5.221445e-01	1.073920e+00	6.850046e-01
##	4301	4302	4303	4304	4305
##	1.953192e-01	5.192560e-01	1.792348e+00	6.631707e-02	2.549475e-01
##	4306	4307	4308	4309	4310
##	1.582820e+00	-2.655820e-01	4.614111e-01	1.214501e+00	1.023761e+00
##	4311	4312	4313	4314	4315
##	1.257954e+00	8.158152e-01	7.000750e-01	-1.471040e-01	1.146910e+00
##	4316	4317	4318	4319	4320
##	1.405543e+00	1.526582e+00	5.804667e-01	-4.709153e-01	2.432611e+00
##	4321	4322	4323	4324	4325
##	7.784588e-02	5.978981e-01	1.116368e+00	-1.313573e+00	6.265820e-01
##	4326	4327	4328	4329	4330
##	8.804669e-01	6.190217e-01	1.203945e-01	7.131108e-01	-1.368311e-01
##	4331	4332	4333	4334	4335
##	1.527261e+00	2.147556e+00	4.894168e-01	4.209472e-01	2.044148e+00
##	4336	4337	4338	4339	4340
##	1.027202e+00	1.680652e+00	1.806062e+00	1.298392e+00	1.000739e+00
##	4341	4342	4343	4344	4345
##	6.804939e-01	8.507636e-01	3.928766e-01	7.192498e-01	3.577878e-01
##	4346	4347	4348	4349	4350
##	9.142851e-01	6.249849e-01	4.899798e-01	9.297685e-02	6.081563e-01
##	4351	4352	4353	4354	4355
##	1.715687e-01	-4.584970e-01	4.151304e-01	-3.029963e-01	6.881296e-01
##	4356	4357	4358	4359	4360

##	-1.758026e-01	2.589766e-01	-3.740027e-01	1.464779e+00	-1.014216e+00
##	4361	4362	4363	4364	4365
##	-3.762632e-01	1.484357e-01	4.168635e-01	3.023289e-01	1.285680e-01
##	4366	4367	4368	4369	4370
##	3.856930e-01	6.175613e-02	7.335164e-01	5.276305e-01	3.961669e-01
##	4371	4372	4373	4374	4375
##	2.576956e-01	1.235208e+00	3.481428e-01	-8.942307e-01	-9.573918e-01
##	4376	4377	4378	4379	4380
##	9.843111e-01	1.349228e+00	1.158764e+00	-3.509448e+00	-5.147574e-02
##	4381	4382	4383	4384	4385
##	-4.715112e-01	2.703092e-01	-1.254379e-01	-1.934051e-01	-8.777742e-01
##	4386	4387	4388	4389	4390
##	-1.682204e+00	4.341204e-01	3.413875e-01	1.329977e+00	-9.741043e-02
##	4391	4392	4393	4394	4395
##	-2.410456e+00	-1.716718e+00	5.923589e-01	-1.197771e+00	1.626988e+00
##	4396	4397	4398	4399	4400
##	8.971313e-01	-1.094966e+00	4.567007e-01	-8.921949e-01	-6.285142e-01
##	4401	4402	4403	4404	4405
##	-1.359024e+00	-4.401099e-01	6.412370e-01	2.494836e-01	-1.433873e+00
##	4406	4407	4408	4409	4410
##	2.327053e-01	1.684784e-02	-2.522581e-01	-2.401265e-01	-1.623155e-02
##	4411	4412	4413	4414	4415
##	-1.752812e+00	1.583834e-01	2.443597e-01	-8.160143e-01	-1.252753e+00
##	4416	4417	4418	4419	4420
##	1.789293e-01	9.989566e-01	-1.146105e+00	3.760242e-01	-2.150344e-01
##	4421	4422	4423	4424	4425
##	5.227842e-01	-8.538660e-01	8.020626e-01	6.009741e-01	-2.115431e-01
##	4426	4427	4428	4429	4430
##	-3.463975e-01	6.274979e-01	-1.830022e+00	-1.577443e+00	-1.933834e-01
##	4431	4432	4433	4434	4435
##	3.727841e-01	9.965956e-01	-4.625647e-01	-1.577242e+00	-4.738926e-01
##	4436	4437	4438	4439	4440
##	-1.060405e+00	-9.948741e-01	-5.506759e-01	5.112805e-01	-7.827111e-02
##	4441	4442	4443	4444	4445
##	-1.468736e+00	5.578227e-01	4.998270e-01	-7.268231e-01	1.968379e-01
##	4446	4447	4448	4449	4450
##	2.912086e+00	4.554700e-01	-1.007709e+00	1.123186e+00	1.434288e+00
##	4451	4452	4453	4454	4455
##	8.868688e-01	6.169088e-01	6.065605e-01	-3.984803e-01	-2.884709e+00
##	4456	4457	4458	4459	4460
##	-6.956171e-01	-4.942613e-02	2.231460e-01	-6.839627e-01	-5.340379e-01
##	4461	4462	4463	4464	4465
##	7.716561e-01	-4.847579e-01	-5.170085e-01	1.054718e-01	6.192447e-01
##	4466	4467	4468	4469	4470
##	-9.863741e-01	7.191359e-01	8.289736e-01	8.426374e-01	6.350435e-01
##	4471	4472	4473	4474	4475
##	4.604536e-01	-5.357961e-01	-9.388362e-02	-4.208095e-01	4.869272e-01
##	4476	4477	4478	4479	4480
##	2.900081e-01	3.395895e-01	4.969741e-01	1.412196e+00	-4.168409e-01
##	4481	4482	4483	4484	4485
##	-9.819786e-01	-1.041356e+00	-4.558480e-01	4.893133e-01	5.585615e-01
##	4486	4487	4488	4489	4490
##	8.809513e-01	4.434092e-01	3.147336e-01	4.122387e-01	8.219760e-01
##	4491	4492	4493	4494	4495

##	1.709444e-02	1.240938e-01	-4.121841e-01	8.898930e-01	6.137291e-01
##	4496	4497	4498	4499	4500
##	4.680743e-01	-1.518120e-02	1.166986e+00	8.315457e-01	6.441461e-01
##	4501	4502	4503	4504	4505
##	-1.656264e-02	3.565607e-02	-1.495333e-01	-5.765010e-01	8.439285e-01
##	4506	4507	4508	4509	4510
##	8.370533e-02	-1.163785e-01	-5.006972e-01	7.423614e-02	-1.142687e-01
##	4511	4512	4513	4514	4515
##	4.457199e-01	9.182001e-01	1.957533e-01	3.258354e-01	6.846601e-01
##	4516	4517	4518	4519	4520
##	4.276355e-01	2.902945e-01	1.004603e+00	9.682085e-01	3.377159e-01
##	4521	4522	4523	4524	4525
##	4.589316e-01	3.601204e-01	-5.139089e-01	-3.043558e-01	-2.480179e-01
##	4526	4527	4528	4529	4530
##	1.343668e-01	1.932988e-02	-4.148968e-01	3.688682e-02	1.163577e-01
##	4531	4532	4533	4534	4535
##	-4.068844e-01	2.552058e-01	9.588900e-01	8.164572e-02	-6.183966e-01
##	4536	4537	4538	4539	4540
##	-5.220971e-01	-8.585675e-01	-5.951631e-01	4.646332e-01	3.151606e-01
##	4541	4542	4543	4544	4545
##	-5.005968e-01	-1.158367e+00	1.095905e+00	-4.773313e-02	4.499968e-02
##	4546	4547	4548	4549	4550
##	7.151273e-01	-3.240478e-01	-2.530344e-02	-1.886565e+00	-4.286610e-01
##	4551	4552	4553	4554	4555
##	1.708212e+00	-1.853002e-01	-1.730613e+00	6.821735e-01	-3.736040e-01
##	4556	4557	4558	4559	4560
##	-4.670150e-01	-1.471553e+00	-9.263840e-01	-8.786110e-01	-3.464706e+00
##	4561	4562	4563	4564	4565
##	6.903687e-02	-5.362130e-01	-1.091530e+00	-5.314658e-01	-9.367167e-01
##	4566	4567	4568	4569	4570
##	-2.667186e-01	-1.481346e+00	-6.619310e-03	-1.378797e+00	-3.305138e-01
##	4571	4572	4573	4574	4575
##	-6.649340e-01	-3.752189e-01	1.110340e+00	-7.911100e-01	-3.879533e-01
##	4576	4577	4578	4579	4580
##	-6.833319e-01	8.977636e-02	-7.985698e-01	4.170538e-01	-9.144104e-01
##	4581	4582	4583	4584	4585
##	-1.669485e+00	-2.155487e-01	-3.812219e-01	-7.863466e-02	-5.937137e-01
##	4586	4587	4588	4589	4590
##	-9.452544e-01	8.039094e-01	6.646344e-01	1.662834e-01	1.937366e-01
##	4591	4592	4593	4594	4595
##	5.055418e-01	2.222195e-01	4.410157e-01	8.457798e-01	-7.583571e-01
##	4596	4597	4598	4599	4600
##	-8.207572e-02	3.414259e-01	5.932261e-01	4.800641e-02	3.785743e-01
##	4601	4602	4603	4604	4605
##	-6.642177e-01	2.556757e-01	-6.081769e-01	-3.127481e-01	-7.504660e-01
##	4606	4607	4608	4609	4610
##	8.530932e-01	-5.236072e-01	7.616707e-02	-5.786893e-01	-2.439520e-01
##	4611	4612	4613	4614	4615
##	-8.120032e-01	-9.976698e-01	-1.280615e+00	-1.406700e-01	1.455451e-02
##	4616	4617	4618	4619	4620
##	1.134507e+00	-5.122040e-01	-2.228414e+00	-1.058956e+00	2.109708e+00
##	4621	4622	4623	4624	4625
##	-8.776848e-01	2.258909e-01	-8.296858e-01	1.015853e+00	-5.398078e-01
##	4626	4627	4628	4629	4630

##	4.670456e-02	-4.351946e-01	-2.829339e-01	-6.428387e-01	2.473121e-03
##	4631	4632	4633	4634	4635
##	3.813665e-01	4.766362e-01	7.891447e-01	9.467847e-02	3.969685e-02
##	4636	4637	4638	4639	4640
##	-5.183033e-02	3.336438e-01	3.350755e-01	-1.229627e+00	3.933725e-01
##	4641	4642	4643	4644	4645
##	5.782354e-01	-1.033186e+00	1.104743e+00	-7.400424e-01	6.236975e-01
##	4646	4647	4648	4649	4650
##	3.828987e-01	1.174142e+00	-5.848933e-01	8.613568e-01	1.261504e-01
##	4651	4652	4653	4654	4655
##	-1.731465e-01	-6.485403e-01	-1.801291e-01	4.414469e-01	-2.479959e-01
##	4656	4657	4658	4659	4660
##	-1.244522e+00	-2.293840e-01	7.682221e-01	2.086605e-01	4.164050e-01
##	4661	4662	4663	4664	4665
##	1.036926e+00	1.163442e+00	2.345061e-01	6.717719e-01	-4.450405e-01
##	4666	4667	4668	4669	4670
##	-1.598093e-01	-2.685167e-01	-3.389454e-01	-2.743187e-01	-2.115759e-01
##	4671	4672	4673	4674	4675
##	5.895381e-01	1.275791e+00	-3.324400e-01	-9.913905e-01	1.970563e-01
##	4676	4677	4678	4679	4680
##	1.003319e+00	6.447960e-01	5.294075e-01	2.154672e-01	2.263179e-01
##	4681	4682	4683	4684	4685
##	-2.590935e-02	5.528669e-01	-1.043685e+00	-1.353907e+00	-9.359568e-01
##	4686	4687	4688	4689	4690
##	-9.432408e-01	-2.887863e-01	1.421751e-01	-1.070359e+00	-6.431904e-01
##	4691	4692	4693	4694	4695
##	9.980238e-02	-6.331183e-01	-4.843490e-01	-5.552801e-01	-1.349763e+00
##	4696	4697	4698	4699	4700
##	1.228520e+00	-2.845414e-01	-3.025003e-01	-1.080004e+00	-1.237158e-01
##	4701	4702	4703	4704	4705
##	2.892365e-01	-6.033795e-01	2.804381e-01	1.111316e+00	2.384170e-01
##	4706	4707	4708	4709	4710
##	6.932147e-01	8.326153e-01	-8.506776e-02	1.305636e-01	2.419083e-01
##	4711	4712	4713	4714	4715
##	7.671231e-02	1.907194e-01	3.781944e-01	4.399326e-01	-1.347999e-01
##	4716	4717	4718	4719	4720
##	4.248622e-01	1.699235e+00	-4.915650e-01	5.150582e-01	7.231544e-01
##	4721	4722	4723	4724	4725
##	5.181476e-01	-2.129396e-01	-6.005100e-02	4.292577e-01	-7.353277e-01
##	4726	4727	4728	4729	4730
##	-6.105569e-02	-2.792993e-01	-1.697882e-01	-2.267529e+00	-3.388522e-01
##	4731	4732	4733	4734	4735
##	1.429853e+00	-7.769075e-01	8.353925e-01	-4.171032e-01	8.389340e-01
##	4736	4737	4738	4739	4740
##	2.242652e-01	1.599182e+00	-9.206785e-01	1.159555e+00	-5.383273e-02
##	4741	4742	4743	4744	4745
##	5.016348e-01	-1.780123e-01	1.109271e+00	-1.454353e-01	1.438658e+00
##	4746	4747	4748	4749	4750
##	3.864221e-01	-6.682755e-01	-4.569475e-02	8.585506e-01	1.725237e-01
##	4751	4752	4753	4754	4755
##	1.292400e+00	8.684468e-01	-9.587897e-02	8.841199e-01	1.157420e+00
##	4756	4757	4758	4759	4760
##	6.748934e-01	1.568916e+00	5.439071e-01	9.922245e-01	6.244329e-01
##	4761	4762	4763	4764	4765

##	6.348817e-01	-9.011876e-01	-7.704021e-01	-3.168352e-01	8.319766e-01
##	4766	4767	4768	4769	4770
##	7.375336e-01	3.628850e-01	6.210399e-01	3.127510e-01	3.802661e-01
##	4771	4772	4773	4774	4775
##	5.373995e-01	-1.316230e-01	1.246584e+00	8.172808e-01	2.800986e-01
##	4776	4777	4778	4779	4780
##	-3.350223e-01	9.908911e-01	-1.209403e+00	6.089334e-01	6.312877e-01
##	4781	4782	4783	4784	4785
##	6.209394e-01	-3.747327e-01	3.871734e-01	3.000919e-01	-2.977581e+00
##	4786	4787	4788	4789	4790
##	1.429161e+00	-1.960497e-01	-9.688691e-02	7.834468e-01	3.615276e-01
##	4791	4792	4793	4794	4795
##	-5.681112e-01	2.338819e-01	1.306249e-01	8.808766e-01	1.002331e-01
##	4796	4797	4798	4799	4800
##	6.616032e-01	-2.700702e-01	8.742707e-01	2.504341e-01	-7.071853e-01
##	4801	4802	4803	4804	4805
##	-1.830955e+00	2.782891e-01	-1.158253e-01	-4.810800e-01	4.968090e-01
##	4806	4807	4808	4809	4810
##	-1.244907e-01	5.281804e-01	9.722782e-01	-1.524676e+00	-9.117903e-01
##	4811	4812	4813	4814	4815
##	-6.088514e-01	-3.603415e-01	5.525693e-01	-1.112025e+00	-1.134228e+00
##	4816	4817	4818	4819	4820
##	1.322387e+00	-8.903653e-01	-7.571686e-01	-3.577293e-01	6.150233e-02
##	4821	4822	4823	4824	4825
##	1.657891e-01	-1.137845e+00	-3.895277e-01	-3.813898e-01	2.072576e-01
##	4826	4827	4828	4829	4830
##	2.903956e-01	1.553905e-01	-5.841611e-01	1.606149e-01	1.592975e+00
##	4831	4832	4833	4834	4835
##	-2.852410e-01	-2.022537e-01	-5.523376e-01	7.187448e-01	-1.577497e+00
##	4836	4837	4838	4839	4840
##	-1.246703e+00	1.480358e+00	-4.609527e-01	2.133130e+00	-1.729498e+00
##	4841	4842	4843	4844	4845
##	-3.285096e-01	-3.152477e-01	3.255392e+00	-1.126308e+00	-5.277143e-01
##	4846	4847	4848	4849	4850
##	2.880179e-01	-4.428432e-01	1.077683e-01	5.906972e-01	-4.962760e-01
##	4851	4852	4853	4854	4855
##	-6.568002e-01	1.580743e+00	3.031803e-01	-1.343304e+00	4.811359e-01
##	4856	4857	4858	4859	4860
##	1.367824e+00	-6.580476e-01	8.302236e-01	-1.047767e+00	1.312273e+00
##	4861	4862	4863	4864	4865
##	-4.702210e-01	2.711552e-01	8.772409e-02	-7.433045e-01	-1.101174e-02
##	4866	4867	4868	4869	4870
##	6.674800e-01	-1.801292e+00	4.580776e-01	-1.126291e-02	6.294274e-01
##	4871	4872	4873	4874	4875
##	-5.574552e-02	1.569867e+00	3.217413e-01	6.511858e-02	1.099780e-01
##	4876	4877	4878	4879	4880
##	9.321151e-01	6.983239e-01	1.045469e+00	5.233071e-01	5.321232e-01
##	4881	4882	4883	4884	4885
##	6.684344e-01	-1.084874e+00	9.106650e-01	4.640625e-02	6.216057e-01
##	4886	4887	4888	4889	4890
##	6.440103e-01	1.652819e+00	5.461034e-01	-3.937541e-01	4.477735e-01
##	4891	4892	4893	4894	4895
##	-2.148846e+00	-4.462169e-03	7.633464e-01	1.289678e+00	6.123416e-01
##	4896	4897	4898	4899	4900



##	-9.909664e-01	-2.183605e-01	9.582058e-01	-9.939303e-01	-1.367097e+00
##	4901	4902	4903	4904	4905
##	1.368395e+00	9.147782e-01	-3.557266e-01	-1.893501e-01	-6.063463e-01
##	4906	4907	4908	4909	4910
##	-1.200517e-01	-4.370311e-01	5.760723e-01	7.321759e-01	-2.958220e-01
##	4911	4912	4913	4914	4915
##	-3.998576e-01	1.202797e+00	8.558310e-02	1.156262e-02	5.233513e-01
##	4916	4917	4918	4919	4920
##	-4.018670e-01	-4.874414e-01	1.049984e+00	-5.986604e-01	-1.528799e-01
##	4921	4922	4923	4924	4925
##	9.383632e-01	-1.712057e+00	3.731754e-01	8.121492e-01	-3.180508e-01
##	4926	4927	4928	4929	4930
##	3.639825e-01	5.426915e-01	1.906231e+00	1.161203e+00	-7.767416e-01
##	4931	4932	4933	4934	4935
##	3.618977e-01	-7.542868e-01	-1.462718e+00	4.356921e-01	2.495986e-01
##	4936	4937	4938	4939	4940
##	5.237812e-02	9.382125e-01	-3.397269e-01	1.351064e+00	-1.941654e+00
##	4941	4942	4943	4944	4945
##	-3.498743e-01	-5.215979e-02	-5.092180e-01	2.559281e-01	-3.888060e-01
##	4946	4947	4948	4949	4950
##	-8.991630e-01	5.074550e-02	5.410840e-01	-7.988699e-01	-8.320748e-01
##	4951	4952	4953	4954	4955
##	4.058026e-01	1.076207e+00	2.209650e-01	2.605246e-01	-5.805258e-01
##	4956	4957	4958	4959	4960
##	-1.153952e+00	1.764321e-01	-9.564805e-01	5.028807e-01	-7.391131e-02
##	4961	4962	4963	4964	4965
##	1.128852e+00	-3.545963e-01	2.707473e-01	-5.230325e-01	1.009237e+00
##	4966	4967	4968	4969	4970
##	-1.181187e+00	-1.192087e+00	8.026475e-01	-9.744127e-03	1.732098e-01
##	4971	4972	4973	4974	4975
##	-5.643706e-02	-3.257942e-01	-1.818223e-01	-1.096064e+00	2.393434e-01
##	4976	4977	4978	4979	4980
##	-1.326176e-01	7.340524e-01	-4.228472e-01	-1.574573e+00	-8.605651e-01
##	4981	4982	4983	4984	4985
##	-4.900358e-01	1.741454e+00	-1.394809e+00	5.518269e-01	2.662562e-02
##	4986	4987	4988	4989	4990
##	8.579054e-01	7.645196e-01	-9.684687e-01	7.146116e-01	4.033065e-01
##	4991	4992	4993	4994	4995
##	3.002268e-02	1.656941e+00	-4.499344e-01	-1.149710e-01	5.303408e-01
##	4996	4997	4998	4999	5000
##	-3.700365e-01	2.185667e+00	1.320378e+00	9.184523e-01	1.702311e+00
##	5001	5002	5003	5004	5005
##	-1.919694e+00	-4.937137e-01	1.245629e+00	-2.813978e-01	1.277277e+00
##	5006	5007	5008	5009	5010
##	-1.268756e+00	5.710559e-01	2.925213e-02	2.093637e+00	1.754328e+00
##	5011	5012	5013	5014	5015
##	8.863776e-01	1.106003e+00	7.985677e-01	1.251984e+00	1.798384e+00
##	5016	5017	5018	5019	5020
##	8.161749e-01	-3.832984e-01	-1.547959e+00	8.441555e-01	1.510013e+00
##	5021	5022	5023	5024	5025
##	1.405827e+00	-9.341192e-01	1.142448e+00	-1.336582e-01	-1.135559e+00
##	5026	5027	5028	5029	5030
##	-3.933744e+00	-8.440237e-01	-5.676839e-01	-6.838511e-01	2.699158e-02
##	5031	5032	5033	5034	5035

##	-1.593095e+00	5.716587e-01	-1.621126e+00	-1.177339e-01	2.165764e-01
##	5036	5037	5038	5039	5040
##	-8.337353e-02	-1.590081e+00	-1.933659e+00	6.134035e-01	5.175562e-01
##	5041	5042	5043	5044	5045
##	1.654412e+00	-1.072842e+00	1.139977e-01	-2.335243e-01	-5.361367e-01
##	5046	5047	5048	5049	5050
##	-9.741058e-01	4.601131e-01	-3.204550e-01	1.920755e+00	2.429530e+00
##	5051	5052	5053	5054	5055
##	4.716071e-02	-2.001938e-01	1.147396e+00	1.986135e+00	3.051398e-01
##	5056	5057	5058	5059	5060
##	3.128919e+00	1.398342e+00	8.592258e-01	-2.380846e+00	-1.304774e+00
##	5061	5062	5063	5064	5065
##	-3.990469e-01	-8.107433e-01	1.087567e+00	1.687944e+00	-2.361964e-02
##	5066	5067	5068	5069	5070
##	3.783258e-03	-6.624261e-01	2.372981e-01	1.291845e+00	2.472606e+00
##	5071	5072	5073	5074	5075
##	4.612468e+00	1.769575e+00	-2.166069e+00	8.344602e-01	-8.061971e-01
##	5076	5077	5078	5079	5080
##	2.365280e+00	-1.013100e+00	3.222919e-02	6.734720e-01	2.185577e-02
##	5081	5082	5083	5084	5085
##	7.788639e-01	-1.948557e-01	-4.646649e-01	7.978274e-01	2.523566e-01
##	5086	5087	5088	5089	5090
##	3.666400e-01	6.383833e-01	3.875375e-01	1.410135e+00	-1.900834e-01
##	5091	5092	5093	5094	5095
##	3.943443e-01	3.276580e-01	2.082507e-01	-1.638610e-01	8.004145e-01
##	5096	5097	5098	5099	5100
##	-7.071718e-01	5.420838e-01	1.278505e-01	-3.311691e-03	-7.696132e-01
##	5101	5102	5103	5104	5105
##	8.870187e-01	6.020978e-02	9.280603e-01	3.962783e-01	3.759333e-01
##	5106	5107	5108	5109	5110
##	2.426613e-01	-3.859224e-01	9.792743e-01	8.938255e-01	1.120015e-01
##	5111	5112	5113	5114	5115
##	-1.172468e+00	-1.181762e+00	1.134072e+00	9.529855e-02	2.631319e-01
##	5116	5117	5118	5119	5120
##	8.055635e-01	2.646389e-01	4.312164e-01	6.297932e-01	1.112731e-01
##	5121	5122	5123	5124	5125
##	4.889860e-01	1.112923e+00	1.037998e+00	3.001798e-01	3.323550e-01
##	5126	5127	5128	5129	5130
##	1.956168e-01	2.107624e-01	5.377134e-01	1.127868e+00	3.970820e-01
##	5131	5132	5133	5134	5135
##	1.297092e-01	-1.115377e+00	5.720989e-01	-5.690773e-01	1.303864e+00
##	5136	5137	5138	5139	5140
##	1.061433e+00	4.805215e-01	4.327736e-01	1.907440e-01	6.347161e-01
##	5141	5142	5143	5144	5145
##	1.007556e+00	1.133620e+00	-3.744601e-02	5.164642e-01	2.138747e-03
##	5146	5147	5148	5149	5150
##	-9.370860e-02	-1.062028e+00	-2.222083e-01	2.484132e-01	2.687330e-01
##	5151	5152	5153	5154	5155
##	1.362839e+00	-3.014281e-01	-1.096840e+00	-5.957518e-01	2.903589e-01
##	5156	5157	5158	5159	5160
##	8.982963e-01	-7.617264e-01	1.054927e+00	4.694699e-01	2.931972e-01
##	5161	5162	5163	5164	5165
##	1.194353e+00	-5.632249e-01	-6.521399e-01	-4.094322e-01	-4.982880e-02
##	5166	5167	5168	5169	5170

##	1.072972e-01	4.501976e-01	-3.729944e-01	-3.160285e-01	-9.368259e-01
##	5171	5172	5173	5174	5175
##	1.011744e+00	3.519390e-01	-1.881065e-01	5.989921e-01	7.569292e-01
##	5176	5177	5178	5179	5180
##	5.181328e-02	-6.533347e-02	-1.658777e-01	1.358713e+00	2.382082e-01
##	5181	5182	5183	5184	5185
##	1.724847e+00	-1.574377e+00	4.945296e-01	-1.004668e+00	3.135348e-01
##	5186	5187	5188	5189	5190
##	-1.183025e+00	2.008840e-01	-1.084515e+00	2.217565e-01	-7.228020e-01
##	5191	5192	5193	5194	5195
##	-1.590728e+00	-2.483376e-01	-2.746605e-01	-7.369933e-01	-3.712682e-02
##	5196	5197	5198	5199	5200
##	5.314770e-01	1.284290e-01	-1.780263e-01	2.570794e-01	-3.423181e-01
##	5201	5202	5203	5204	5205
##	4.853786e-01	8.940359e-01	-3.605505e-02	-7.489168e-01	2.458866e+00
##	5206	5207	5208	5209	5210
##	5.429322e-01	2.380914e-01	-4.858036e-01	-2.339066e-01	3.558624e-01
##	5211	5212	5213	5214	5215
##	-2.235797e-01	-1.354324e+00	-1.039947e+00	-5.207618e-01	5.817939e-01
##	5216	5217	5218	5219	5220
##	-2.512067e-02	-2.072988e-01	-1.210415e+00	8.541717e-01	-7.340194e-01
##	5221	5222	5223	5224	5225
##	-3.788783e-01	6.798994e-01	-2.886539e-01	1.915445e+00	-1.102477e+00
##	5226	5227	5228	5229	5230
##	-6.687970e-01	1.198508e+00	2.639466e-01	4.105558e-01	-2.296059e-03
##	5231	5232	5233	5234	5235
##	4.856061e-01	-7.199637e-02	9.269730e-02	4.205274e-01	3.905123e-01
##	5236	5237	5238	5239	5240
##	-2.769027e-01	-4.695519e-01	-4.781671e-01	-1.001158e+00	-2.258677e+00
##	5241	5242	5243	5244	5245
##	-2.398799e-01	2.448072e-01	-1.569536e+00	8.087393e-01	1.505925e-01
##	5246	5247	5248	5249	5250
##	-2.730347e-01	-5.240493e-02	-4.845971e-01	3.802142e-01	-1.274566e+00
##	5251	5252	5253	5254	5255
##	-4.698412e-04	8.595854e-02	-2.248923e-01	6.068396e-01	9.474041e-01
##	5256	5257	5258	5259	5260
##	-1.277137e-01	2.089576e-01	3.423803e-01	1.087307e+00	-1.711430e+00
##	5261	5262	5263	5264	5265
##	3.115866e-01	-2.237871e-01	-2.026099e+00	1.693729e-01	3.763388e-01
##	5266	5267	5268	5269	5270
##	4.559856e-01	2.192585e-03	1.475209e-01	-3.613542e-01	2.506522e-01
##	5271	5272	5273	5274	5275
##	-7.720460e-01	-3.606095e-02	-1.988546e-02	-1.235584e+00	-5.712589e-01
##	5276	5277	5278	5279	5280
##	-5.271028e-01	6.783109e-02	-5.571107e-01	-9.328644e-01	7.544105e-01
##	5281	5282	5283	5284	5285
##	1.114466e+00	-2.953640e-01	8.958708e-01	9.534395e-01	8.111811e-02
##	5286	5287	5288	5289	5290
##	-2.419578e+00	-8.693178e-01	-7.882841e-02	-1.049283e+00	-3.343460e-01
##	5291	5292	5293	5294	5295
##	7.687525e-01	-4.213772e-01	1.250827e+00	-1.344837e+00	-1.349785e+00
##	5296	5297	5298	5299	5300
##	8.869290e-01	-1.224802e+00	-1.897210e-01	-2.433211e-01	-1.397031e+00
##	5301	5302	5303	5304	5305

##	1.063855e+00	1.555349e+00	6.470093e-01	-3.934970e-01	1.154031e-01
##	5306	5307	5308	5309	5310
##	-2.742510e+00	-5.554781e-01	-9.793062e-01	-2.857441e-01	1.288033e+00
##	5311	5312	5313	5314	5315
##	-8.140850e-02	-1.320190e+00	-6.245686e-01	-2.935235e-01	5.146233e-01
##	5316	5317	5318	5319	5320
##	3.295013e-01	2.078585e-01	3.504761e-03	-2.566093e-01	-1.124699e-01
##	5321	5322	5323	5324	5325
##	-2.341127e-01	-4.730277e-01	4.447558e-01	-7.165142e-01	-1.057636e-01
##	5326	5327	5328	5329	5330
##	-1.827952e+00	5.350522e-01	6.963046e-02	-5.577226e-01	-5.530508e-01
##	5331	5332	5333	5334	5335
##	1.593743e-01	-7.010415e-01	1.939526e-03	-6.987307e-01	4.298617e-01
##	5336	5337	5338	5339	5340
##	3.418259e-01	-1.000867e-01	-1.889991e+00	2.383429e-01	-2.730188e-01
##	5341	5342	5343	5344	5345
##	5.182234e-02	2.915412e-01	6.387861e-02	-2.726671e-01	-9.239066e-01
##	5346	5347	5348	5349	5350
##	-3.673089e-01	2.562766e-01	-2.044637e+00	-8.368252e-01	7.096426e-01
##	5351	5352	5353	5354	5355
##	-3.180791e-01	4.940865e-01	8.563774e-01	-4.861133e-01	4.852452e-01
##	5356	5357	5358	5359	5360
##	-7.202310e-01	2.003405e-01	3.922361e-01	3.941450e-01	-1.455740e-01
##	5361	5362	5363	5364	5365
##	2.350525e-01	-1.055120e-01	-4.940755e-01	-8.155509e-01	-1.020834e+00
##	5366	5367	5368	5369	5370
##	-5.512674e-01	-1.271720e+00	3.375663e-01	1.080953e-01	1.084201e+00
##	5371	5372	5373	5374	5375
##	-1.179514e+00	-6.452708e-01	-8.278731e-01	-2.747163e-01	-1.854573e-02
##	5376	5377	5378	5379	5380
##	5.630437e-01	-2.426416e-01	-4.251685e-01	-5.923488e-01	3.925479e-01
##	5381	5382	5383	5384	5385
##	2.806256e-01	-1.851199e+00	-6.988710e-01	2.418446e-01	-1.380352e+00
##	5386	5387	5388	5389	5390
##	3.476635e-01	-8.798068e-01	5.781730e-01	5.836737e-01	2.611936e-01
##	5391	5392	5393	5394	5395
##	-6.240129e-01	5.585062e-01	9.371187e-02	6.642246e-01	1.262366e+00
##	5396	5397	5398	5399	5400
##	4.479401e-01	1.205873e-01	6.346867e-01	1.510776e+00	-7.053425e-01
##	5401	5402	5403	5404	5405
##	-6.013070e-01	-9.820887e-02	-3.702536e-01	1.818562e+00	3.882114e-01
##	5406	5407	5408	5409	5410
##	8.098041e-01	-7.303090e-01	6.930843e-01	7.787747e-01	-9.084500e-01
##	5411	5412	5413	5414	5415
##	1.067347e+00	1.120319e+00	-3.268761e-02	2.030974e-02	3.789586e-01
##	5416	5417	5418	5419	5420
##	-2.026057e-01	4.229389e-01	1.265054e-01	4.196234e-01	6.878599e-02
##	5421	5422	5423	5424	5425
##	7.524267e-01	9.247309e-01	3.245798e-01	6.021001e-01	2.169023e-01
##	5426	5427	5428	5429	5430
##	6.604474e-01	4.606901e-01	2.623142e-01	7.979894e-01	1.201823e-01
##	5431	5432	5433	5434	5435
##	-9.143461e-01	-6.241995e-02	1.177191e+00	8.378569e-01	3.416660e-01
##	5436	5437	5438	5439	5440

##	-6.705583e-01	-1.072107e+00	-9.198970e-01	7.373126e-01	3.642464e-01
##	5441	5442	5443	5444	5445
##	-9.335357e-01	6.755242e-01	-1.980464e-01	-2.032205e-01	-5.103289e-01
##	5446	5447	5448	5449	5450
##	-2.800241e+00	-3.902918e-02	-3.605297e-01	4.130809e-01	-1.326036e+00
##	5451	5452	5453	5454	5455
##	-4.207357e-01	8.128234e-02	-1.081871e+00	-2.708612e-01	-6.276765e-01
##	5456	5457	5458	5459	5460
##	-1.385313e+00	-2.915756e+00	9.645046e-01	3.833170e-01	3.378046e-01
##	5461	5462	5463	5464	5465
##	4.935816e-01	-6.240597e-01	-5.857039e-02	-6.174036e-01	-1.050274e+00
##	5466	5467	5468	5469	5470
##	2.665468e+00	-3.593994e-01	4.466375e-01	4.769038e-01	-1.941030e-01
##	5471	5472	5473	5474	5475
##	2.240487e-01	1.085896e+00	-4.681570e-01	-2.900256e-01	5.132987e-01
##	5476	5477	5478	5479	5480
##	-4.681570e-01	-2.900256e-01	5.132987e-01	5.632820e-01	2.397218e-01
##	5481	5482	5483	5484	5485
##	-3.475518e+00	-3.686677e-01	1.636669e-01	1.545793e+00	-2.896290e+00
##	5486	5487	5488	5489	5490
##	1.300247e+00	-6.849941e-01	1.927777e-01	2.050098e-01	-3.840646e-01
##	5491	5492	5493	5494	5495
##	-3.023331e-01	1.856193e-01	-5.609150e-01	-1.103975e+00	-8.785707e-02
##	5496	5497	5498	5499	5500
##	5.919156e-01	4.104436e-01	2.364566e-01	7.103182e-01	-8.401414e-02
##	5501	5502	5503	5504	5505
##	2.878967e-01	-2.494613e-01	8.799600e-01	-6.760774e-01	-1.333426e-02
##	5506	5507	5508	5509	5510
##	8.816679e-01	4.055709e-01	-3.226780e-01	6.024900e-01	2.238424e-03
##	5511	5512	5513	5514	5515
##	-3.133344e-01	7.956163e-01	-2.542162e+00	-8.950746e-01	4.161704e-01
##	5516	5517	5518	5519	5520
##	-6.039408e-01	-2.750936e+00	5.673509e-01	-3.848683e-01	-5.604628e-01
##	5521	5522	5523	5524	5525
##	-2.483059e-01	6.399397e-01	9.962779e-01	-3.832763e+00	-1.682093e-01
##	5526	5527	5528	5529	5530
##	1.267424e-01	-1.490179e+00	-3.749743e-01	2.857344e-01	-2.624240e-01
##	5531	5532	5533	5534	5535
##	-7.498489e-01	9.693751e-01	6.238625e-01	8.814397e-01	6.232849e-01
##	5536	5537	5538	5539	5540
##	-2.526365e+00	-1.241720e+00	-5.716598e-02	2.525797e-01	-7.121228e-01
##	5541	5542	5543	5544	5545
##	3.302998e-02	-1.088027e+00	2.654146e-01	8.500934e-01	9.759810e-01
##	5546	5547	5548	5549	5550
##	3.034923e-01	6.015082e-01	-1.658733e-01	3.931106e-01	6.702541e-01
##	5551	5552	5553	5554	5555
##	6.164027e-01	-3.052740e-01	2.221627e-01	-1.152119e-01	-7.939045e-01
##	5556	5557	5558	5559	5560
##	-2.488916e+00	-2.127923e-01	-2.847783e-01	1.048921e+00	4.789864e-01
##	5561	5562	5563	5564	5565
##	1.178509e-01	-2.652297e-02	2.230669e-01	-2.337401e-01	6.233853e-01
##	5566	5567	5568	5569	5570
##	1.030109e+00	8.130530e-02	6.237118e-01	7.418382e-01	6.069084e-01
##	5571	5572	5573	5574	5575

##	2.556189e-01	6.836164e-01	-1.833047e-01	1.171669e+00	4.410091e-01
##	5576	5577	5578	5579	5580
##	-2.487351e-01	2.048318e-01	1.892591e-01	-3.583718e-01	-2.400603e+00
##	5581	5582	5583	5584	5585
##	-7.037839e-01	-7.944320e-01	-2.411002e+00	7.447435e-02	1.871251e-01
##	5586	5587	5588	5589	5590
##	1.574506e-01	6.389981e-01	5.883115e-01	1.977386e-01	3.108415e-01
##	5591	5592	5593	5594	5595
##	-4.984188e-02	1.004981e+00	3.813958e-01	-1.429355e+00	3.216419e-01
##	5596	5597	5598	5599	5600
##	1.737601e+00	-7.442328e-01	1.898527e+00	-5.077541e-01	8.558603e-01
##	5601	5602	5603	5604	5605
##	-1.234546e+00	1.727152e+00	3.766487e-01	2.986345e-01	-7.538497e-01
##	5606	5607	5608	5609	5610
##	5.328808e-01	5.695017e-01	5.111544e-01	-6.758607e-01	-1.100449e-01
##	5611	5612	5613	5614	5615
##	5.424504e-01	1.198028e-01	1.832810e+00	-3.259603e-02	3.999478e-01
##	5616	5617	5618	5619	5620
##	2.663914e+00	1.685297e+00	1.154193e+00	1.784594e+00	1.063107e-01
##	5621	5622	5623	5624	5625
##	1.966574e-01	-3.459331e+00	1.172386e+00	7.830693e-01	-1.527113e+00
##	5626	5627	5628	5629	5630
##	-6.341703e-01	4.495627e-01	2.756762e-01	6.163160e-01	-4.005048e-01
##	5631	5632	5633	5634	5635
##	2.234574e-01	-4.756806e-01	-1.794731e-01	-4.285105e-01	-1.352397e+00
##	5636	5637	5638	5639	5640
##	-3.382643e-01	5.322235e-01	5.630424e-01	-3.878959e-01	-1.549336e-01
##	5641	5642	5643	5644	5645
##	-1.103561e+00	1.705354e-01	-1.095750e+00	-9.874637e-02	1.260171e+00
##	5646	5647	5648	5649	5650
##	-9.595389e-01	4.274596e-01	4.248223e-01	7.315287e-01	-1.412642e-02
##	5651	5652	5653	5654	5655
##	6.593921e-01	1.079896e+00	1.035223e+00	-1.357785e+00	3.921769e-01
##	5656	5657	5658	5659	5660
##	4.877928e-01	-8.125889e-01	6.137647e-01	9.647690e-01	7.021952e-01
##	5661	5662	5663	5664	5665
##	1.284475e+00	7.727029e-01	1.051946e-01	-4.618268e-01	3.265671e-01
##	5666	5667	5668	5669	5670
##	5.123741e-02	2.010623e+00	3.896203e-01	2.308435e-01	3.148876e-01
##	5671	5672	5673	5674	5675
##	1.485745e+00	7.927249e-01	-2.728556e-01	1.304632e+00	2.081842e-01
##	5676	5677	5678	5679	5680
##	7.753133e-01	3.501414e-01	1.667208e+00	1.307054e+00	2.343802e-02
##	5681	5682	5683	5684	5685
##	-6.488336e-01	-3.836495e-01	7.281678e-01	1.190224e+00	5.765602e-01
##	5686	5687	5688	5689	5690
##	2.400647e-01	1.462016e-01	6.368667e-01	6.389245e-02	-3.185174e-01
##	5691	5692	5693	5694	5695
##	8.389850e-01	5.592795e-01	3.915718e-01	8.444354e-01	5.013090e-01
##	5696	5697	5698	5699	5700
##	-1.213746e+00	1.653009e+00	7.647385e-01	5.946948e-01	5.969805e-01
##	5701	5702	5703	5704	5705
##	-9.474797e-02	9.587691e-01	-3.446662e-02	5.471730e-01	3.951097e-01
##	5706	5707	5708	5709	5710

##	-3.185808e-02	7.802980e-02	2.435181e+00	1.565899e+00	2.627168e-01
##	5711	5712	5713	5714	5715
##	5.265733e-01	6.624324e-01	8.698002e-01	-5.329970e-01	3.614275e-01
##	5716	5717	5718	5719	5720
##	-3.268992e+00	4.124155e-01	-1.708534e+00	7.088741e-01	1.364258e+00
##	5721	5722	5723	5724	5725
##	1.035725e+00	1.089124e+00	7.303745e-01	4.908566e-01	2.511880e-01
##	5726	5727	5728	5729	5730
##	4.838191e-03	3.627336e-01	-3.824509e+00	-1.423805e+00	-7.448202e-02
##	5731	5732	5733	5734	5735
##	-1.301936e+00	1.013088e-01	8.840951e-01	-2.650417e-01	6.499633e-01
##	5736	5737	5738	5739	5740
##	-5.577359e-01	5.692428e-01	2.644452e-01	6.216593e-01	5.453657e-01
##	5741	5742	5743	5744	5745
##	1.486108e+00	1.982957e-01	7.324397e-02	6.147067e-01	3.896542e-01
##	5746	5747	5748	5749	5750
##	6.770944e-01	9.844377e-01	1.424984e+00	-3.957076e-01	-2.116899e-01
##	5751	5752	5753	5754	5755
##	9.200597e-01	-6.794523e-02	4.371514e-01	1.399430e+00	1.686314e-01
##	5756	5757	5758	5759	5760
##	2.473814e+00	8.574704e-01	2.370497e-01	1.037536e+00	1.450790e+00
##	5761	5762	5763	5764	5765
##	1.178318e+00	-1.544867e+00	1.528678e+00	1.480478e-01	-7.696353e-01
##	5766	5767	5768	5769	5770
##	-6.742149e-01	-6.773295e-01	7.136487e-02	-1.279138e+00	-3.787610e-01
##	5771	5772	5773	5774	5775
##	5.694646e-01	9.376581e-01	2.236319e+00	-6.062226e-01	3.246721e-01
##	5776	5777	5778	5779	5780
##	1.819122e+00	-1.362301e+00	-4.962091e-01	4.815543e-01	-2.642200e+00
##	5781	5782	5783	5784	5785
##	5.654208e-01	-1.539026e+00	2.054406e-01	-8.083409e-01	-2.042978e+00
##	5786	5787	5788	5789	5790
##	-9.239053e-01	-7.372592e-01	-9.100657e-01	-2.377529e-01	-5.745498e-01
##	5791	5792	5793	5794	5795
##	-1.744159e+00	7.331536e-01	-1.044055e-01	-1.531365e+00	1.213194e+00
##	5796	5797	5798	5799	5800
##	-6.697692e-01	-8.121839e-01	-2.716454e+00	-1.011245e+00	-4.107174e-01
##	5801	5802	5803	5804	5805
##	-4.342774e-01	-7.822766e-01	1.294286e-01	-9.471712e-01	-5.835993e-01
##	5806	5807	5808	5809	5810
##	1.436881e+00	7.910164e-01	1.434660e+00	1.107131e+00	7.535307e-01
##	5811	5812	5813	5814	5815
##	4.017136e-01	-1.536633e+00	-1.501117e+00	1.143350e+00	-2.503496e+00
##	5816	5817	5818	5819	5820
##	2.343575e-01	-8.316679e-01	1.185420e-01	7.503896e-02	-1.542813e-01
##	5821	5822	5823	5824	5825
##	1.609526e+00	3.910388e-01	1.710723e+00	-3.301271e-01	-2.758738e-01
##	5826	5827	5828	5829	5830
##	-1.650817e-01	8.383264e-01	1.252734e-01	4.978373e-01	6.760426e-02
##	5831	5832	5833	5834	5835
##	1.313620e+00	1.001086e+00	9.480385e-01	5.363766e-03	1.812346e-01
##	5836	5837	5838	5839	5840
##	9.393730e-01	9.511028e-01	6.553474e-01	1.924647e+00	5.877067e-01
##	5841	5842	5843	5844	5845

##	1.117680e+00	3.055649e-01	-4.221063e-01	-5.258405e-01	1.955239e+00
##	5846	5847	5848	5849	5850
##	1.250249e+00	1.455030e+00	1.046573e+00	1.590310e-01	1.130063e+00
##	5851	5852	5853	5854	5855
##	1.849520e-01	1.108035e+00	3.811426e-01	5.890630e-01	1.458873e+00
##	5856	5857	5858	5859	5860
##	2.299848e+00	1.417906e+00	2.489608e+00	-4.357952e-01	2.088637e+00
##	5861	5862	5863	5864	5865
##	-1.155255e-01	2.227534e-01	1.323290e+00	6.865179e-01	1.228246e+00
##	5866	5867	5868	5869	5870
##	8.900679e-01	1.543091e+00	2.064826e+00	7.880654e-02	7.379580e-01
##	5871	5872	5873	5874	5875
##	1.745762e+00	-2.683387e-01	1.198131e+00	8.454597e-01	6.027017e-01
##	5876	5877	5878	5879	5880
##	1.436393e+00	1.570770e+00	2.514624e-01	1.597344e+00	2.575283e+00
##	5881	5882	5883	5884	5885
##	1.031428e+00	-1.254416e+00	4.765379e-01	7.384854e-01	9.269149e-01
##	5886	5887	5888	5889	5890
##	1.396934e+00	-1.277172e+00	-1.211015e-01	3.145317e-01	3.556738e-01
##	5891	5892	5893	5894	5895
##	1.870367e-01	1.138050e+00	-2.520390e-02	6.936246e-02	1.337129e+00
##	5896	5897	5898	5899	5900
##	9.473352e-01	7.297698e-01	-1.159573e+00	1.036024e+00	-8.449549e-01
##	5901	5902	5903	5904	5905
##	1.621934e+00	2.660806e-01	9.356306e-01	9.287484e-01	1.252032e+00
##	5906	5907	5908	5909	5910
##	1.335673e+00	4.001815e-01	1.503390e-02	1.254996e+00	1.859342e+00
##	5911	5912	5913	5914	5915
##	1.265244e+00	9.681323e-01	4.057324e-01	7.071391e-01	-1.346648e-01
##	5916	5917	5918	5919	5920
##	-3.155088e-01	5.800460e-01	1.545079e+00	-2.931889e-02	-5.142205e-02
##	5921	5922	5923	5924	5925
##	5.020361e-01	3.910846e+00	2.604725e+00	3.452543e-01	2.439177e+00
##	5926	5927	5928	5929	5930
##	2.379284e-01	8.787443e-01	7.188229e-01	-2.866584e-02	2.185292e+00
##	5931	5932	5933	5934	5935
##	7.718956e-01	4.736285e-01	1.228477e+00	1.007545e+00	8.262493e-01
##	5936	5937	5938	5939	5940
##	5.738714e-01	1.002396e+00	3.939064e-01	2.100232e-01	6.581899e-01
##	5941	5942	5943	5944	5945
##	7.735533e-01	1.228904e+00	-4.809769e-01	1.032612e+00	1.312921e+00
##	5946	5947	5948	5949	5950
##	1.026459e+00	-1.575423e-01	-1.112011e-01	1.924877e+00	2.382010e+00
##	5951	5952	5953	5954	5955
##	7.966612e-01	6.366509e-02	8.050503e-01	1.168823e+00	-7.741838e-02
##	5956	5957	5958	5959	5960
##	1.098947e+00	1.663432e+00	7.401339e-02	1.219510e+00	-7.319985e-01
##	5961	5962	5963	5964	5965
##	1.076015e+00	2.792463e-01	5.726657e-01	1.170782e+00	5.226071e-01
##	5966	5967	5968	5969	5970
##	8.761823e-01	9.727194e-02	-1.972276e-01	1.551672e-01	-2.392487e-01
##	5971	5972	5973	5974	5975
##	-1.565512e-02	7.523293e-01	-4.817053e-01	3.875518e-01	1.351752e+00
##	5976	5977	5978	5979	5980



##	8.009060e-01	-6.732995e-01	-2.163418e-01	-4.296373e-01	-1.860038e+00
##	5981	5982	5983	5984	5985
##	9.719041e-01	8.993771e-02	-1.463010e+00	1.096109e+00	6.527897e-01
##	5986	5987	5988	5989	5990
##	-1.553508e+00	-2.769999e-01	5.871081e-01	5.743486e-01	5.675669e-01
##	5991	5992	5993	5994	5995
##	2.432019e+00	1.946578e+00	-5.229478e-01	3.705725e-01	6.780576e-01
##	5996	5997	5998	5999	6000
##	5.787943e-01	4.631044e-01	-1.005513e-01	7.288949e-01	1.433872e-01
##	6001	6002	6003	6004	6005
##	-3.776382e+00	2.507873e+00	1.559143e+00	1.074582e+00	-2.881806e-02
##	6006	6007	6008	6009	6010
##	-2.677331e-01	7.555679e-01	7.349466e-01	5.546552e-01	4.487588e-02
##	6011	6012	6013	6014	6015
##	2.893168e-01	2.658070e-01	9.768255e-01	-5.139573e-01	3.099882e-01
##	6016	6017	6018	6019	6020
##	-1.226058e-01	2.944909e-01	7.485853e-01	2.340065e-02	2.253683e-01
##	6021	6022	6023	6024	6025
##	7.926660e-01	2.350384e-01	1.544349e+00	-1.975807e-01	-9.791284e-01
##	6026	6027	6028	6029	6030
##	1.019525e+00	2.812541e-01	1.177638e+00	1.102010e+00	3.638626e-02
##	6031	6032	6033	6034	6035
##	-1.591765e-01	2.844065e+00	7.375839e-01	-4.964004e-01	1.116829e+00
##	6036	6037	6038	6039	6040
##	9.731835e-01	1.996786e+00	6.422138e-01	-7.481253e-01	1.297470e-01
##	6041	6042	6043	6044	6045
##	2.147437e-01	-3.102064e-01	6.604238e-01	1.099423e+00	-4.729409e-01
##	6046	6047	6048	6049	6050
##	8.655311e-01	1.292197e+00	3.953868e-01	7.756114e-01	9.757183e-02
##	6051	6052	6053	6054	6055
##	8.079144e-03	1.056698e+00	-1.957220e-01	2.154721e-01	7.052247e-01
##	6056	6057	6058	6059	6060
##	1.451859e-01	2.140197e+00	2.166520e+00	9.353237e-01	6.810112e-02
##	6061	6062	6063	6064	6065
##	-1.464150e+00	-2.736690e-01	1.027504e+00	3.296468e-01	-3.841095e-01
##	6066	6067	6068	6069	6070
##	9.244228e-01	1.698385e+00	1.627981e+00	8.963417e-01	9.103823e-01
##	6071	6072	6073	6074	6075
##	3.384122e-02	5.838583e-01	7.452616e-01	-1.056096e+00	7.274786e-01
##	6076	6077	6078	6079	6080
##	2.684864e-01	2.520597e-01	1.012007e+00	-3.952620e-02	-6.021772e-01
##	6081	6082	6083	6084	6085
##	1.193780e+00	-7.318329e-02	8.648698e-01	-1.184118e+00	-1.374507e+00
##	6086	6087	6088	6089	6090
##	-1.756289e+00	-6.049401e-01	6.766916e-01	9.074435e-01	-2.319744e+00
##	6091	6092	6093	6094	6095
##	-5.192904e-01	-8.615737e-01	1.120351e+00	-1.376854e+00	1.157399e+00
##	6096	6097	6098	6099	6100
##	-6.104178e-01	1.038659e-01	-4.844493e-02	-8.305201e-01	-3.638169e-01
##	6101	6102	6103	6104	6105
##	-3.655751e-01	-3.850431e-01	-1.207004e+00	1.046739e+00	4.290817e-01
##	6106	6107	6108	6109	6110
##	-1.584606e-01	-3.495273e-01	-1.404476e+00	4.605948e-01	8.485053e-01
##	6111	6112	6113	6114	6115

##	-2.315227e-01	-4.548107e-01	-1.063753e+00	-3.677964e+00	7.286276e-01
##	6116	6117	6118	6119	6120
##	-3.529144e+00	-1.136474e+00	-6.344563e-01	6.240173e-01	4.858294e-01
##	6121	6122	6123	6124	6125
##	-4.642298e-01	-9.192284e-01	3.438417e-01	3.361880e-02	5.023565e-01
##	6126	6127	6128	6129	6130
##	-1.098490e+00	4.452651e-01	-5.413146e-01	-2.343318e-01	-8.233057e-01
##	6131	6132	6133	6134	6135
##	3.252047e-01	-2.391292e-01	7.300261e-02	7.998450e-01	4.696539e-01
##	6136	6137	6138	6139	6140
##	1.176428e+00	-3.932234e-01	-5.391042e-01	-1.766375e-01	-2.433740e-01
##	6141	6142	6143	6144	6145
##	4.765109e-01	-1.236886e+00	-5.444793e-01	3.228186e-01	5.465628e-01
##	6146	6147	6148	6149	6150
##	5.201395e-01	7.306219e-01	-1.292413e-01	-4.186923e-01	-3.144306e-01
##	6151	6152	6153	6154	6155
##	-5.858474e-01	-1.644162e+00	1.750455e+00	8.501526e-01	1.034111e+00
##	6156	6157	6158	6159	6160
##	2.854922e-01	2.979252e-01	6.707279e-02	3.151557e-01	2.031579e-01
##	6161	6162	6163	6164	6165
##	7.015591e-01	1.088565e+00	1.099479e-01	-9.333213e-01	-9.446697e-04
##	6166	6167	6168	6169	6170
##	-8.342841e-01	1.766844e-01	1.166956e+00	2.616308e-01	1.069338e-01
##	6171	6172	6173	6174	6175
##	-2.035151e-01	-1.054838e+00	1.120326e-01	2.358857e-01	-8.028999e-02
##	6176	6177	6178	6179	6180
##	2.647203e-01	3.777729e-01	4.549581e-01	-9.480775e-02	8.576627e-01
##	6181	6182	6183	6184	6185
##	9.533342e-01	4.834662e-01	1.746248e-01	1.250936e-01	-1.423183e+00
##	6186	6187	6188	6189	6190
##	5.556029e-01	-5.204443e-01	1.338984e+00	1.133349e+00	9.972518e-02
##	6191	6192	6193	6194	6195
##	-1.451678e-01	5.235409e-02	2.014248e-01	5.224481e-01	-2.256936e-01
##	6196	6197	6198	6199	6200
##	6.187978e-01	-9.581622e-01	-1.664170e-01	-3.535527e-02	4.269022e-01
##	6201	6202	6203	6204	6205
##	7.154740e-01	-3.330195e-01	5.001189e-01	2.232266e-01	-1.660151e-01
##	6206	6207	6208	6209	6210
##	3.731262e-01	-7.814625e-01	1.143647e+00	-3.387212e-01	7.951710e-01
##	6211	6212	6213	6214	6215
##	9.287695e-01	-8.122312e-01	-2.783393e-01	2.827293e-01	8.695682e-01
##	6216	6217	6218	6219	6220
##	5.957151e-01	-1.610168e-01	6.435885e-01	-5.180833e-01	1.091981e+00
##	6221	6222	6223	6224	6225
##	6.314318e-01	3.330606e-01	-3.548682e-02	1.844177e-01	1.136213e+00
##	6226	6227	6228	6229	6230
##	-8.542417e-01	-1.400043e-01	-2.067267e+00	-9.997314e-02	9.142405e-01
##	6231	6232	6233	6234	6235
##	2.997324e-01	-1.316855e+00	1.617789e+00	8.777828e-01	3.758326e-01
##	6236	6237	6238	6239	6240
##	6.080012e-01	8.790864e-01	1.112441e+00	4.741514e-01	-5.808902e-01
##	6241	6242	6243	6244	6245
##	-6.746604e-01	1.030169e+00	5.912605e-01	-2.653148e-01	-5.730787e-01
##	6246	6247	6248	6249	6250

##	-1.017036e+00	-1.113971e+00	2.230093e-01	1.450128e-01	-4.460685e-01
##	6251	6252	6253	6254	6255
##	-1.383923e+00	-1.009365e-02	7.872955e-01	1.529304e+00	-1.100784e+00
##	6256	6257	6258	6259	6260
##	3.526393e-01	-1.550202e+00	1.085663e-02	-1.189787e+00	-4.871401e-01
##	6261	6262	6263	6264	6265
##	-2.575173e-02	-6.774358e-01	-1.737870e+00	8.380247e-01	-1.464610e+00
##	6266	6267	6268	6269	6270
##	-3.206394e+00	-3.878392e-01	3.243724e-01	1.723479e-01	-1.503667e+00
##	6271	6272	6273	6274	6275
##	-3.143038e+00	6.339699e-01	2.139294e-01	8.373993e-01	-1.273754e+00
##	6276	6277	6278	6279	6280
##	2.669594e-01	-3.039225e-01	-2.380160e+00	9.129720e-01	-1.157994e+00
##	6281	6282	6283	6284	6285
##	6.745769e-01	-7.810491e-03	-1.401080e-01	-6.579373e-01	-9.568449e-01
##	6286	6287	6288	6289	6290
##	1.160427e+00	-3.324532e-01	3.548697e-01	-7.066672e-01	-6.768606e-01
##	6291	6292	6293	6294	6295
##	1.455302e-01	-2.835751e-01	-3.167449e-01	-1.928880e-01	-1.600436e+00
##	6296	6297	6298	6299	6300
##	-1.506278e-02	-5.388347e-01	-1.737115e+00	-3.299702e+00	-5.587040e-01
##	6301	6302	6303	6304	6305
##	6.725425e-01	-5.462474e-01	8.722952e-01	3.890303e-01	9.127496e-01
##	6306	6307	6308	6309	6310
##	1.735037e+00	-3.481258e+00	-3.852585e-01	-1.751686e+00	3.457533e-01
##	6311	6312	6313	6314	6315
##	-2.358864e-01	-3.146038e-01	8.534980e-01	5.114767e-01	1.169397e+00
##	6316	6317	6318	6319	6320
##	2.234494e+00	8.313934e-01	-6.046842e-01	7.535048e-01	-2.736032e+00
##	6321	6322	6323	6324	6325
##	-1.569588e+00	1.622202e-01	7.159043e-01	2.561786e+00	1.280808e+00
##	6326	6327	6328	6329	6330
##	6.685502e-01	-8.130147e-01	-1.981449e-01	1.763812e+00	9.652349e-01
##	6331	6332	6333	6334	6335
##	7.925037e-01	8.942536e-01	-2.180221e+00	1.487196e+00	1.381327e+00
##	6336	6337	6338	6339	6340
##	7.829592e-01	-5.170943e-01	-1.719255e+00	-5.227959e-01	-1.675677e+00
##	6341	6342	6343	6344	6345
##	-1.899458e-02	1.553923e+00	2.609223e+00	1.589841e+00	1.473397e+00
##	6346	6347	6348	6349	6350
##	2.289682e+00	1.193717e+00	2.081837e+00	1.861835e+00	1.520140e+00
##	6351	6352	6353	6354	6355
##	1.842847e+00	1.314908e+00	1.528580e+00	1.356954e+00	1.171212e+00
##	6356	6357	6358	6359	6360
##	8.538342e-01	9.357164e-01	-7.914523e-02	7.602725e-01	1.366201e+00
##	6361	6362	6363	6364	6365
##	1.031564e+00	7.801152e-01	5.373571e-01	6.606576e-01	5.871646e-01
##	6366	6367	6368	6369	6370
##	5.961063e-01	6.696169e-02	7.644922e-01	8.872401e-01	2.853309e-01
##	6371	6372	6373	6374	6375
##	1.728810e-01	5.052573e-01	1.282334e+00	5.377339e-01	7.746145e-01
##	6376	6377	6378	6379	6380
##	6.658569e-01	1.249104e+00	1.684855e-01	8.810613e-01	5.354734e-01
##	6381	6382	6383	6384	6385

##	6.214245e-01	1.216703e+00	2.359235e+00	1.030258e+00	1.239333e+00
##	6386	6387	6388	6389	6390
##	5.023437e-01	7.742880e-01	1.420805e+00	5.460728e-01	4.447499e-01
##	6391	6392	6393	6394	6395
##	1.253341e-01	5.972868e-01	6.654801e-01	2.985677e-01	3.113272e-01
##	6396	6397	6398	6399	6400
##	1.301273e+00	4.724542e-01	6.441054e-01	1.235867e+00	-2.066654e-01
##	6401	6402	6403	6404	6405
##	1.879227e-01	-4.088877e-01	-1.279357e-01	-4.368023e-01	-1.640292e-01
##	6406	6407	6408	6409	6410
##	-4.458947e-01	-4.246455e-01	1.159925e+00	5.219223e-01	-1.020702e+00
##	6411	6412	6413	6414	6415
##	-1.562682e+00	-4.295183e-01	-3.643893e-01	-7.210539e-01	1.131143e-01
##	6416	6417	6418	6419	6420
##	-2.576662e-01	-3.137279e-01	7.731197e-01	1.106780e-01	4.635273e-02
##	6421	6422	6423	6424	6425
##	-3.900340e-01	2.438997e-01	1.158142e+00	-4.621204e-01	-9.383682e-01
##	6426	6427	6428	6429	6430
##	-3.978455e-01	-1.160957e+00	-5.222511e-01	-4.479769e-02	2.048173e-01
##	6431	6432	6433	6434	6435
##	7.599106e-02	-1.901212e+00	-7.103791e-01	-3.201579e-01	1.699069e-02
##	6436	6437	6438	6439	6440
##	-1.975581e-02	5.223242e-01	4.007066e-01	2.013260e-01	8.844393e-01
##	6441	6442	6443	6444	6445
##	-6.052886e-01	5.975252e-01	5.632427e-02	-6.695134e-01	5.816260e-01
##	6446	6447	6448	6449	6450
##	3.263596e-01	-6.901849e-01	-8.529445e-01	-3.661977e-01	-1.347650e-02
##	6451	6452	6453	6454	6455
##	-1.383521e+00	1.975333e-01	2.390270e-01	-4.985655e-01	1.484088e+00
##	6456	6457	6458	6459	6460
##	-7.892472e-01	-7.646575e-01	1.004274e+00	1.603598e-01	-1.447243e+00
##	6461	6462	6463	6464	6465
##	-7.606864e-02	-4.851781e-01	3.434670e-02	1.040216e+00	2.169741e-01
##	6466	6467	6468	6469	6470
##	-3.900089e-01	2.550518e-01	9.171670e-01	1.546203e+00	3.637089e-01
##	6471	6472	6473	6474	6475
##	-1.129887e+00	-2.570383e-01	-6.500224e-01	1.163545e-01	-1.940443e-01
##	6476	6477	6478	6479	6480
##	-2.245366e-01	-5.875559e-01	1.334593e-01	5.260416e-01	-4.593198e-02
##	6481	6482	6483	6484	6485
##	-9.192816e-01	-4.307201e-01	-8.048883e-01	-6.259045e-01	5.550213e-01
##	6486	6487	6488	6489	6490
##	2.481280e-01	-3.792455e-01	-1.443282e+00	1.031231e-01	-4.858210e-01
##	6491	6492	6493	6494	6495
##	-1.349883e-01	-2.027106e-01	8.703916e-01	4.409576e-01	2.539310e-02
##	6496	6497	6498	6499	6500
##	-1.197141e+00	-1.129819e+00	3.753075e-01	-2.358550e-02	-1.607384e+00
##	6501	6502	6503	6504	6505
##	-1.101986e+00	-8.283650e-01	-1.946338e-01	-1.014366e+00	6.561574e-01
##	6506	6507	6508	6509	6510
##	-2.945959e-01	-8.656109e-01	-6.831475e-02	-8.193952e-01	-5.641540e-01
##	6511	6512	6513	6514	6515
##	-4.712202e-01	3.019502e-02	6.114077e-01	-1.480620e-01	4.642075e-02
##	6516	6517	6518	6519	6520

##	-9.521147e-01	2.988238e-01	-1.002676e+00	-5.828161e-01	-1.152651e+00
##	6521	6522	6523	6524	6525
##	-7.499963e-01	-6.531945e-01	-7.901337e-01	-1.089606e+00	-1.200650e+00
##	6526	6527	6528	6529	6530
##	7.925029e-01	7.113743e-01	-1.350896e-02	-2.668664e-01	3.341002e-02
##	6531	6532	6533	6534	6535
##	1.450825e+00	-6.755991e-01	-5.681476e-01	-1.665921e+00	-1.080489e+00
##	6536	6537	6538	6539	6540
##	-5.031944e-01	3.452906e-01	1.703994e-01	-4.230956e-01	-5.002941e-02
##	6541	6542	6543	6544	6545
##	6.873119e-01	-1.660822e+00	-8.350684e-01	-1.009420e-01	4.497783e-01
##	6546	6547	6548	6549	6550
##	-4.604952e-01	-8.919589e-01	-1.244580e+00	-1.779216e-03	1.280531e+00
##	6551	6552	6553	6554	6555
##	2.215750e-02	-3.011150e+00	-6.740167e-01	-9.965471e-01	1.872293e+00
##	6556	6557	6558	6559	6560
##	1.555551e-01	2.326266e-02	3.594686e-02	3.294668e-01	1.984672e-02
##	6561	6562	6563	6564	6565
##	9.370166e-01	4.004875e-01	1.937838e+00	1.695346e-01	8.028906e-01
##	6566	6567	6568	6569	6570
##	5.274551e-01	1.107638e+00	2.111423e+00	1.102439e+00	1.002472e+00
##	6571	6572	6573	6574	6575
##	4.451459e-01	1.021586e+00	1.549777e+00	1.692593e+00	-3.648344e-01
##	6576	6577	6578	6579	6580
##	-5.610000e-01	1.264570e+00	3.527397e-01	-1.545803e-01	5.404385e-01
##	6581	6582	6583	6584	6585
##	-6.607678e-01	4.199763e-01	-5.294047e-01	-7.348888e-01	1.148271e-01
##	6586	6587	6588	6589	6590
##	1.087617e+00	6.940304e-01	9.679086e-01	7.043284e-01	3.459307e-01
##	6591	6592	6593	6594	6595
##	-8.797398e-01	-5.653224e-01	7.060615e-01	1.082669e+00	-6.244986e-01
##	6596	6597	6598	6599	6600
##	-9.002104e-01	7.605910e-01	-4.848970e-01	-6.561212e-01	2.767028e-02
##	6601	6602	6603	6604	6605
##	-3.208197e-01	-2.996459e-01	-1.380089e+00	8.992235e-02	-6.170020e-01
##	6606	6607	6608	6609	6610
##	-1.220644e+00	-6.976032e-01	-1.035581e+00	-1.696390e+00	-4.648168e-01
##	6611	6612	6613	6614	6615
##	-7.270909e-01	1.377859e+00	-6.921523e-01	5.261338e-01	2.031764e-01
##	6616	6617	6618	6619	6620
##	2.469055e-01	6.181633e-01	-7.701413e-01	2.190505e-01	1.542176e+00
##	6621	6622	6623	6624	6625
##	2.695613e-01	1.024434e+00	-3.138617e-01	6.077145e-01	3.662410e-02
##	6626	6627	6628	6629	6630
##	1.113827e+00	-6.178053e-01	7.498278e-01	-8.277853e-01	2.139266e-01
##	6631	6632	6633	6634	6635
##	3.948746e-02	7.023060e-01	-7.524804e-02	-8.765595e-02	1.321345e+00
##	6636	6637	6638	6639	6640
##	-2.079675e-01	-2.946219e-01	-1.138285e+00	-1.157148e+00	-5.236157e-01
##	6641	6642	6643	6644	6645
##	-3.487747e-01	1.137089e-01	-4.731768e-02	2.044825e-01	-8.235621e-02
##	6646	6647	6648	6649	6650
##	7.856952e-01	3.735968e-01	-7.418342e-01	-1.083730e+00	2.326389e-01
##	6651	6652	6653	6654	6655

##	-1.027263e-01	1.596354e+00	-5.564439e-01	-9.539492e-01	5.077982e-01
##	6656	6657	6658	6659	6660
##	-6.999637e-01	3.984880e-01	1.071554e+00	-6.875056e-01	-5.625976e-01
##	6661	6662	6663	6664	6665
##	5.573545e-01	7.725840e-01	-5.868106e-01	1.172928e+00	-1.207102e-01
##	6666	6667	6668	6669	6670
##	9.141447e-01	-1.046305e+00	-2.378570e-01	-8.262532e-01	4.584931e-01
##	6671	6672	6673	6674	6675
##	3.756062e-01	-1.183797e+00	5.795581e-01	-1.656952e-01	-4.863920e-01
##	6676	6677	6678	6679	6680
##	-9.506553e-02	-1.377777e+00	1.329282e+00	5.334429e-01	-9.318174e-02
##	6681	6682	6683	6684	6685
##	-3.186842e-01	-5.902231e-02	1.209774e+00	1.794773e+00	9.096163e-01
##	6686	6687	6688	6689	6690
##	-3.682227e-01	1.682310e-01	-1.023180e+00	-1.423435e-01	4.679549e-01
##	6691	6692	6693	6694	6695
##	1.287831e+00	-8.065558e-02	1.042072e-01	3.128058e-01	3.245355e-01
##	6696	6697	6698	6699	6700
##	-4.947382e-01	-9.886557e-02	6.346580e-01	2.734973e-01	5.391874e-01
##	6701	6702	6703	6704	6705
##	1.177203e-01	-1.771811e-01	3.133835e-01	3.354113e-01	-1.622276e+00
##	6706	6707	6708	6709	6710
##	5.525749e-01	-9.295677e-01	1.273741e+00	7.551704e-01	6.477692e-01
##	6711	6712	6713	6714	6715
##	4.192275e-01	5.828914e-01	7.708436e-01	8.638024e-01	9.405607e-01
##	6716	6717	6718	6719	6720
##	7.336701e-01	1.443734e+00	1.406259e+00	3.185828e-01	-4.455587e-01
##	6721	6722	6723	6724	6725
##	-3.280603e-01	1.851852e-01	-1.069533e-01	1.877433e+00	7.014949e-01
##	6726	6727	6728	6729	6730
##	1.226194e+00	-6.260008e-01	4.357044e-01	5.906275e-01	7.184239e-01
##	6731	6732	6733	6734	6735
##	1.035542e-01	6.270726e-01	6.224510e-01	1.948867e+00	1.396237e+00
##	6736	6737	6738	6739	6740
##	9.697110e-01	1.461356e+00	-1.680810e+00	-1.712884e+00	3.821688e-01
##	6741	6742	6743	6744	6745
##	-5.911992e-01	-4.657135e-01	-1.316961e+00	-1.110222e+00	9.697612e-01
##	6746	6747	6748	6749	6750
##	-1.352603e+00	-1.366292e+00	-1.734686e+00	-1.275644e+00	-1.130994e+00
##	6751	6752	6753	6754	6755
##	-3.279204e-01	-2.009528e-01	-1.968929e+00	-1.492129e+00	1.900807e+00
##	6756	6757	6758	6759	6760
##	-1.345319e+00	-2.292992e+00	-2.425972e-01	-1.198961e+00	-1.832819e+00
##	6761	6762	6763	6764	6765
##	2.313649e-01	-7.317803e-01	-1.690957e+00	-1.028113e+00	-1.666116e+00
##	6766	6767	6768	6769	6770
##	1.123303e+00	2.087855e+00	-1.025150e+00	-1.343061e+00	4.847956e-01
##	6771	6772	6773	6774	6775
##	6.784494e-01	-7.387902e-01	-4.279143e-01	-9.561725e-03	-1.152119e+00
##	6776	6777	6778	6779	6780
##	-2.364456e-01	1.322156e+00	3.631299e-01	3.298496e-01	-5.530210e-01
##	6781	6782	6783	6784	6785
##	-4.896845e-02	1.679800e+00	1.606207e+00	-8.124409e-02	-1.114642e+00
##	6786	6787	6788	6789	6790

##	3.947776e-01	9.044062e-01	4.093707e-01	6.211592e-01	6.907339e-01
##	6791	6792	6793	6794	6795
##	9.182458e-01	-1.245211e-01	1.507245e+00	-1.150434e+00	9.802351e-01
##	6796	6797	6798	6799	6800
##	-1.320302e+00	-1.001263e+00	-4.894995e-01	1.811967e-02	-3.811187e-01
##	6801	6802	6803	6804	6805
##	-4.645581e-01	3.293472e-01	-4.943974e-01	8.206905e-01	-4.964662e-02
##	6806	6807	6808	6809	6810
##	3.805613e-01	-3.272673e-01	-1.230106e+00	6.286693e-01	-1.202101e-02
##	6811	6812	6813	6814	6815
##	6.477584e-01	-9.458042e-01	-3.794199e-02	-5.863264e-01	-6.485920e-01
##	6816	6817	6818	6819	6820
##	3.247257e-01	1.966278e-01	-4.390892e-01	5.421404e-01	-3.874231e-01
##	6821	6822	6823	6824	6825
##	3.819930e-01	-1.232903e-01	-9.196915e-02	-3.675051e-01	1.056566e+00
##	6826	6827	6828	6829	6830
##	6.998766e-01	5.572016e-02	-1.141719e+00	-3.361086e-01	4.096721e-01
##	6831	6832	6833	6834	6835
##	9.507224e-01	-3.833792e-01	-3.678375e-01	4.311164e-01	4.232045e-01
##	6836	6837	6838	6839	6840
##	3.398906e-01	-9.594989e-01	1.023079e+00	2.171841e+00	9.097503e-01
##	6841	6842	6843	6844	6845
##	-2.331841e-01	-1.147061e-01	7.941357e-01	-4.261964e-02	1.382783e+00
##	6846	6847	6848	6849	6850
##	-7.675395e-02	-1.186746e-01	1.020517e+00	-5.600712e-02	1.098330e+00
##	6851	6852	6853	6854	6855
##	6.507415e-01	4.651754e-01	-3.110726e-01	5.126972e-01	1.348587e-01
##	6856	6857	6858	6859	6860
##	1.710462e+00	-8.337872e-01	3.318531e-01	3.451150e-01	5.862906e-01
##	6861	6862	6863	6864	6865
##	2.201317e-01	8.401254e-01	3.394385e-01	1.840846e+00	6.058570e-01
##	6866	6867	6868	6869	6870
##	7.498540e-01	7.338544e-01	7.690687e-01	5.949059e-01	-2.421258e-01
##	6871	6872	6873	6874	6875
##	-1.164643e-01	-7.280688e-01	4.361399e-01	-7.946661e-02	9.655492e-02
##	6876	6877	6878	6879	6880
##	-1.077486e-01	-2.538304e-01	3.244421e-03	-5.091722e-01	-3.101935e-01
##	6881	6882	6883	6884	6885
##	-9.172382e-02	1.153714e+00	5.970157e-01	-1.625544e-01	-5.094484e-01
##	6886	6887	6888	6889	6890
##	-1.768534e-01	3.542001e-01	6.820553e-01	5.557659e-01	7.113169e-01
##	6891	6892	6893	6894	6895
##	8.175125e-01	1.001346e+00	1.071473e+00	-5.755392e-01	-2.597426e-02
##	6896	6897	6898	6899	6900
##	1.183697e+00	5.291165e-01	1.905363e-01	1.049596e-02	1.087045e+00
##	6901	6902	6903	6904	6905
##	-3.770126e-01	9.040665e-01	6.700995e-01	2.513953e-01	1.493440e-01
##	6906	6907	6908	6909	6910
##	2.417000e-01	4.037062e-01	8.708866e-01	-7.919766e-02	-4.659527e-01
##	6911	6912	6913	6914	6915
##	5.016885e-01	1.571806e-01	-1.000422e+00	-5.111638e-01	3.123297e-01
##	6916	6917	6918	6919	6920
##	-4.766276e-01	-2.229184e-01	6.741183e-01	8.566703e-01	2.446388e-01
##	6921	6922	6923	6924	6925

##	1.494020e+00	3.203923e-01	7.332191e-01	1.946555e-01	-1.037721e+00
##	6926	6927	6928	6929	6930
##	1.277585e+00	-5.986722e-01	2.946472e-01	3.600273e-01	7.683330e-01
##	6931	6932	6933	6934	6935
##	3.400340e-01	-6.168068e-01	7.159133e-01	1.815269e+00	4.102618e-01
##	6936	6937	6938	6939	6940
##	1.757422e-01	6.631671e-01	-4.117749e-01	6.463135e-01	4.018224e-01
##	6941	6942	6943	6944	6945
##	5.308998e-01	5.784467e-01	-7.779110e-02	4.819715e-01	3.147409e-01
##	6946	6947	6948	6949	6950
##	2.291414e-01	-2.435899e-01	7.767975e-01	1.317619e-01	-3.298196e-02
##	6951	6952	6953	6954	6955
##	-1.940336e-01	1.437506e+00	3.315444e-01	4.216878e-02	3.794824e-01
##	6956	6957	6958	6959	6960
##	-1.330951e+00	-2.519145e-01	-5.880082e-01	-1.629017e+00	-4.100777e-01
##	6961	6962	6963	6964	6965
##	-7.573988e-01	-7.042507e-01	1.067167e+00	-9.798620e-01	-5.767808e-01
##	6966	6967	6968	6969	6970
##	-2.517638e-01	-9.825496e-01	1.195315e+00	-1.595259e+00	-5.634435e-01
##	6971	6972	6973	6974	6975
##	9.102345e-01	-5.329763e-01	3.379133e-01	-3.473600e-01	-2.147085e+00
##	6976	6977	6978	6979	6980
##	-1.142320e+00	-5.723099e-01	-1.048507e+00	7.692013e-01	-9.587636e-01
##	6981	6982	6983	6984	6985
##	-1.790494e-01	-4.045258e-02	-1.392362e+00	1.386835e-01	-1.389574e+00
##	6986	6987	6988	6989	6990
##	1.215861e+00	5.113980e-01	8.218470e-01	1.834926e-01	-9.223436e-01
##	6991	6992	6993	6994	6995
##	-7.512472e-01	-7.904050e-01	-5.915268e-01	1.077664e+00	-1.327788e+00
##	6996	6997	6998	6999	7000
##	-1.704320e+00	-6.572083e-01	1.452369e-01	-1.107912e+00	1.578457e-01
##	7001	7002	7003	7004	7005
##	3.501935e-01	-1.194918e+00	-5.950683e-01	-2.607329e-01	-6.530138e-01
##	7006	7007	7008	7009	7010
##	-3.426653e-01	2.097630e-01	-7.651371e-01	5.024792e-01	-4.340418e-01
##	7011	7012	7013	7014	7015
##	-3.492460e-01	-8.891911e-01	-1.013830e-02	-1.055467e+00	-1.087517e+00
##	7016	7017	7018	7019	7020
##	1.661363e+00	2.160988e-02	-3.684858e-01	-1.071467e+00	-4.335645e-01
##	7021	7022	7023	7024	7025
##	-4.898522e-01	-2.626920e-01	3.037266e-01	1.398367e-01	-7.688042e-01
##	7026	7027	7028	7029	7030
##	-5.734424e-01	-7.342680e-01	-6.507281e-01	-9.151372e-01	-1.359838e+00
##	7031	7032	7033	7034	7035
##	-3.363609e-01	-9.140571e-01	-5.585166e-02	-6.030054e-01	-1.378594e-01
##	7036	7037	7038	7039	7040
##	-7.205038e-01	-6.082046e-01	-9.547721e-01	-1.167616e+00	-1.139685e+00
##	7041	7042	7043	7044	7045
##	-4.856766e-02	-9.919205e-01	-5.141657e-01	-3.064965e-01	5.426919e-01
##	7046	7047	7048	7049	7050
##	-4.677742e-01	-8.045711e-01	-9.572588e-01	9.753926e-02	-1.647631e+00
##	7051	7052	7053	7054	7055
##	-1.067448e+00	6.781993e-01	-6.421631e-01	-2.535242e-01	-3.832045e-01
##	7056	7057	7058	7059	7060



##	-1.362751e+00	1.613432e-02	-4.977139e-01	-7.983861e-02	4.086915e-01
##	7061	7062	7063	7064	7065
##	2.359352e-01	-4.929029e-01	-2.293981e-01	-2.303378e+00	3.834121e-01
##	7066	7067	7068	7069	7070
##	-4.902405e-01	1.189826e+00	3.087134e-01	-1.357363e+00	3.278277e-01
##	7071	7072	7073	7074	7075
##	5.885696e-01	-6.557379e-01	2.182663e-01	-2.287629e+00	-8.959339e-01
##	7076	7077	7078	7079	7080
##	-5.697867e-01	-1.520370e-01	-5.850078e-01	-1.020088e+00	1.786313e-01
##	7081	7082	7083	7084	7085
##	-8.945525e-01	-2.159607e+00	-1.034104e+00	-2.253256e-02	-1.304868e+00
##	7086	7087	7088	7089	7090
##	5.259307e-02	-6.729432e-01	-7.782095e-01	2.396086e-01	6.540680e-01
##	7091	7092	7093	7094	7095
##	-1.141412e+00	-1.513159e-01	-1.844594e+00	-1.727158e-01	2.101398e+00
##	7096	7097	7098	7099	7100
##	-1.696829e+00	-9.392434e-01	1.623480e-01	4.766275e-02	5.450843e-01
##	7101	7102	7103	7104	7105
##	-4.963513e-01	1.218427e+00	1.781970e-01	1.888605e+00	7.334384e-01
##	7106	7107	7108	7109	7110
##	4.763887e-01	2.133046e+00	7.208798e-01	-1.416847e+00	-1.132546e+00
##	7111	7112	7113	7114	7115
##	-5.811722e-01	-1.851652e+00	1.217473e+00	-1.713934e+00	6.484920e-01
##	7116	7117	7118	7119	7120
##	-4.457401e-01	8.903083e-02	-7.926090e-01	-4.013077e-01	-3.403755e-01
##	7121	7122	7123	7124	7125
##	-9.958096e-01	-8.622864e-01	1.399897e+00	7.453669e-01	6.866680e-01
##	7126	7127	7128	7129	7130
##	-1.455663e-01	-2.743064e+00	5.444291e-01	-1.661875e-01	-5.172762e-01
##	7131	7132	7133	7134	7135
##	8.556567e-01	7.824651e-01	-2.034615e-01	-7.166818e-01	6.137275e-01
##	7136	7137	7138	7139	7140
##	1.380826e-01	6.044521e-02	1.488076e-01	2.000970e-01	-1.988719e+00
##	7141	7142	7143	7144	7145
##	3.231714e-01	2.781362e-01	1.701824e-01	1.677711e-01	4.779438e-01
##	7146	7147	7148	7149	7150
##	-6.310823e-01	1.035220e+00	4.462207e-01	9.621035e-01	6.026257e-01
##	7151	7152	7153	7154	7155
##	-1.028236e+00	5.952161e-01	8.815274e-01	-2.932556e-01	-1.341882e-01
##	7156	7157	7158	7159	7160
##	-3.562998e-01	-3.754643e-01	-6.199303e-01	-9.874204e-01	-1.447374e-01
##	7161	7162	7163	7164	7165
##	-5.363150e-01	-2.599033e-03	2.141304e-02	5.860232e-01	-9.100343e-01
##	7166	7167	7168	7169	7170
##	-4.334600e-01	-4.979861e-01	-2.364153e-01	1.221087e+00	-6.821372e-01
##	7171	7172	7173	7174	7175
##	1.549905e+00	4.691110e-01	4.715222e-01	-6.416734e-01	1.241466e+00
##	7176	7177	7178	7179	7180
##	3.209695e-01	7.280194e-01	3.812444e-02	-2.481869e-01	2.255825e+00
##	7181	7182	7183	7184	7185
##	2.832466e+00	-1.477173e+00	5.088967e-01	-4.356587e+00	1.024352e+00
##	7186	7187	7188	7189	7190
##	-5.922994e-02	-9.364743e-01	5.806063e-01	2.903014e-01	8.922955e-02
##	7191	7192	7193	7194	7195

##	-5.096612e-01	-7.848722e-01	-1.904709e+00	-4.630318e-01	-1.300987e+00
##	7196	7197	7198	7199	7200
##	-1.306372e+00	-1.805710e+00	-7.227957e-01	2.953386e-01	-2.570574e+00
##	7201	7202	7203	7204	7205
##	-1.262136e+00	-1.188314e+00	-7.109832e-01	-1.432365e+00	-3.957976e+00
##	7206	7207	7208	7209	7210
##	-1.379729e+00	-1.445751e+00	-5.095061e-01	-1.416297e+00	-1.532516e+00
##	7211	7212	7213	7214	7215
##	-5.910189e-01	7.089264e-01	-1.552425e+00	6.309374e-01	-2.972540e-01
##	7216	7217	7218	7219	7220
##	-2.395233e+00	-7.552746e-01	-1.030779e+00	-9.955993e-01	-4.094810e-01
##	7221	7222	7223	7224	7225
##	-6.727645e-01	-1.400968e+00	-1.266394e+00	2.722870e-01	6.410157e-01
##	7226	7227	7228	7229	7230
##	3.479683e-01	4.752656e-01	-5.456320e-01	4.020377e-02	8.673063e-01
##	7231	7232	7233	7234	7235
##	9.226191e-01	8.910185e-01	-2.883296e-01	-1.249323e+00	-4.977085e-02
##	7236	7237	7238	7239	7240
##	-1.573759e+00	-4.939926e-01	-2.082477e+00	-1.759030e+00	-1.122567e+00
##	7241	7242	7243	7244	7245
##	6.281588e-01	-8.900599e-01	2.780325e-01	-1.132951e+00	1.130359e-01
##	7246	7247	7248	7249	7250
##	-9.732528e-01	-1.226736e-01	-1.427559e+00	-1.877986e+00	-5.181643e-01
##	7251	7252	7253	7254	7255
##	-6.491758e-01	5.065935e-01	-1.835010e+00	-5.644302e-01	2.407025e-01
##	7256	7257	7258	7259	7260
##	-6.589715e-01	-1.081895e+00	-1.143533e+00	-1.043329e-01	-1.589640e+00
##	7261	7262	7263	7264	7265
##	-2.632244e-01	-2.027258e+00	-1.218684e+00	-8.190185e-01	2.406774e-01
##	7266	7267	7268	7269	7270
##	-7.745107e-01	-4.681810e-01	-9.902426e-01	-1.865879e+00	-4.616505e-01
##	7271	7272	7273	7274	7275
##	-2.038862e+00	5.634206e-02	-1.914808e+00	-2.778929e-01	-3.186833e-01
##	7276	7277	7278	7279	7280
##	-1.167445e+00	-1.486423e+00	-8.240064e-01	-1.007714e+00	-1.205964e+00
##	7281	7282	7283	7284	7285
##	-1.145708e+00	8.640183e-01	6.490902e-01	5.557007e-02	9.087270e-01
##	7286	7287	7288	7289	7290
##	3.990733e-01	4.404126e-02	-7.164571e-01	2.608656e-01	3.356648e-01
##	7291	7292	7293	7294	7295
##	-1.528402e-01	-6.503874e-01	-2.824200e-01	8.725957e-01	-4.785021e-02
##	7296	7297	7298	7299	7300
##	9.542655e-03	-3.776897e-01	3.912743e-01	6.261706e-01	-1.802238e+00
##	7301	7302	7303	7304	7305
##	7.646168e-01	1.504445e+00	-8.792921e-03	5.777446e-01	2.738513e-01
##	7306	7307	7308	7309	7310
##	5.804402e-02	-2.403908e-02	1.090588e+00	-4.960169e-01	-9.255969e-01
##	7311	7312	7313	7314	7315
##	-1.823940e+00	1.029503e+00	8.506086e-01	9.318377e-01	-1.408761e+00
##	7316	7317	7318	7319	7320
##	1.210212e+00	7.889709e-01	5.776345e-01	5.291081e-01	4.779945e-01
##	7321	7322	7323	7324	7325
##	-3.414551e-01	2.933577e-01	9.798870e-01	2.826578e-01	-3.731530e-01
##	7326	7327	7328	7329	7330

##	-2.527663e+00	-3.006021e+00	1.223550e-01	-4.559352e-02	-2.091191e+00
##	7331	7332	7333	7334	7335
##	7.666437e-01	3.402536e-01	-2.232012e-01	-3.805857e-01	8.039176e-01
##	7336	7337	7338	7339	7340
##	-6.901054e-01	-1.037879e+00	-5.002945e-01	-7.015839e-01	3.669532e-01
##	7341	7342	7343	7344	7345
##	2.247897e-01	1.912582e-01	-3.210077e-01	-6.928683e-01	-9.311907e-02
##	7346	7347	7348	7349	7350
##	1.290428e-01	-9.801089e-01	-1.028158e+00	-1.037652e+00	-1.955071e-02
##	7351	7352	7353	7354	7355
##	-1.806415e+00	-1.259412e+00	-1.025872e+00	3.403541e-01	-3.606929e-01
##	7356	7357	7358	7359	7360
##	-1.386983e+00	3.153122e-01	-1.359188e-01	-1.849215e+00	-3.883219e-01
##	7361	7362	7363	7364	7365
##	-5.229251e-01	-1.381432e+00	5.319232e-01	8.395339e-01	-7.256462e-01
##	7366	7367	7368	7369	7370
##	-9.152173e-03	-6.897788e-01	3.821892e-02	-8.077545e-01	4.640062e-01
##	7371	7372	7373	7374	7375
##	-6.435129e-01	6.090582e-01	-9.802847e-01	9.677573e-01	-1.277497e+00
##	7376	7377	7378	7379	7380
##	-5.101655e-01	-3.953547e-01	-5.326455e-01	7.317056e-01	-1.418967e-01
##	7381	7382	7383	7384	7385
##	-1.038292e-02	1.073415e-01	-2.290751e+00	-1.126969e+00	-1.982186e+00
##	7386	7387	7388	7389	7390
##	6.961898e-01	1.043109e+00	-1.225002e+00	2.979813e-01	-1.633132e+00
##	7391	7392	7393	7394	7395
##	-1.767509e+00	-5.308872e-01	7.287166e-01	-9.929791e-02	1.422957e+00
##	7396	7397	7398	7399	7400
##	5.897179e-01	7.049456e-02	4.006605e-01	8.329418e-03	-3.886986e-01
##	7401	7402	7403	7404	7405
##	-8.817247e-01	-1.606407e+00	-6.885583e-02	9.597449e-01	-5.200115e-01
##	7406	7407	7408	7409	7410
##	6.319651e-01	5.456623e-01	-1.935126e-01	8.895674e-01	1.347444e-01
##	7411	7412	7413	7414	7415
##	-8.987291e-01	1.012380e-01	-2.242812e-01	-1.312862e+00	1.090495e-01
##	7416	7417	7418	7419	7420
##	-1.758743e+00	6.693646e-01	-1.706650e+00	-2.692913e-01	1.375636e+00
##	7421	7422	7423	7424	7425
##	1.259469e+00	4.271592e-01	-1.762069e-01	-9.474062e-01	-1.848788e+00
##	7426	7427	7428	7429	7430
##	-4.071095e-01	-1.052848e+00	-9.062642e-01	-2.259832e+00	-1.529950e+00
##	7431	7432	7433	7434	7435
##	-5.295309e-01	-1.112879e+00	-5.355077e-01	8.633712e-01	-1.238665e+00
##	7436	7437	7438	7439	7440
##	-1.254439e-01	4.922002e-01	8.369341e-01	5.924433e-01	6.501376e-01
##	7441	7442	7443	7444	7445
##	-1.005213e+00	1.297610e+00	-9.442287e-01	1.846400e-01	7.256902e-01
##	7446	7447	7448	7449	7450
##	7.150405e-01	6.228101e-01	1.331920e+00	-1.975617e+00	5.894544e-01
##	7451	7452	7453	7454	7455
##	-5.813099e-01	6.252716e-01	1.453688e+00	1.212286e+00	-4.380663e-01
##	7456	7457	7458	7459	7460
##	6.140944e-01	3.856030e-01	-5.869110e-01	-2.018819e+00	-5.642553e-01
##	7461	7462	7463	7464	7465

##	-9.359149e-01	-8.054768e-02	1.054324e+00	-5.105797e-01	2.687827e-01
##	7466	7467	7468	7469	7470
##	-3.601483e-02	-1.110228e+00	1.321546e+00	6.814632e-02	9.434315e-01
##	7471	7472	7473	7474	7475
##	-8.808328e-01	1.677608e+00	-2.086083e+00	1.964200e-01	1.595399e+00
##	7476	7477	7478	7479	7480
##	6.179876e-01	1.492318e+00	-1.117713e+00	-1.302878e+00	-6.899419e-01
##	7481	7482	7483	7484	7485
##	6.928620e-01	8.651411e-01	-7.278645e-02	1.876562e+00	2.665266e-02
##	7486	7487	7488	7489	7490
##	-3.971001e-01	-1.261354e-01	-8.380079e-01	1.722321e-01	7.362187e-02
##	7491	7492	7493	7494	7495
##	-1.681871e+00	5.560736e-01	8.802365e-01	-1.234835e+00	1.305471e+00
##	7496	7497	7498	7499	7500
##	-1.018274e+00	4.722825e-01	1.528412e+00	-6.408879e-01	-5.663149e-01
##	7501	7502	7503	7504	7505
##	-1.205096e+00	-1.150667e+00	6.924853e-01	-6.221652e-01	4.896715e-02
##	7506	7507	7508	7509	7510
##	-5.107477e-02	-3.024982e-01	2.938601e-01	-5.703232e-01	-5.676106e-01
##	7511	7512	7513	7514	7515
##	8.263705e-01	-3.749112e-01	-4.258238e-01	-1.138123e+00	2.293016e+00
##	7516	7517	7518	7519	7520
##	-1.597821e-01	7.657375e-01	-9.927699e-01	7.036703e-02	1.312715e+00
##	7521	7522	7523	7524	7525
##	3.998046e-01	8.780617e-01	-7.593555e-01	-9.284698e-01	-1.813076e-01
##	7526	7527	7528	7529	7530
##	7.845252e-01	-1.109794e-01	-7.368756e-01	-1.814583e-01	2.367938e-01
##	7531	7532	7533	7534	7535
##	-3.363814e-01	1.243919e+00	-5.197371e-01	1.425843e+00	1.006486e+00
##	7536	7537	7538	7539	7540
##	-2.684644e-01	8.177804e-01	-3.273392e-01	-4.850502e-01	-1.209406e+00
##	7541	7542	7543	7544	7545
##	6.137532e-01	-3.993000e-01	-8.750706e-01	-1.331476e+00	-3.399229e-01
##	7546	7547	7548	7549	7550
##	-3.996768e-01	-7.684982e-01	-1.903797e+00	-2.244339e-01	-1.807299e-01
##	7551	7552	7553	7554	7555
##	5.863729e-02	-1.901235e+00	5.657290e-01	1.238494e+00	-9.730529e-01
##	7556	7557	7558	7559	7560
##	-7.733207e-01	-3.137507e-01	7.578218e-01	-8.237598e-01	6.448194e-01
##	7561	7562	7563	7564	7565
##	1.432697e+00	1.184538e+00	-2.540257e-01	-4.889723e-01	5.994577e-01
##	7566	7567	7568	7569	7570
##	-1.664459e+00	8.669311e-01	-1.643310e+00	-7.675475e-01	4.319258e-01
##	7571	7572	7573	7574	7575
##	1.018991e+00	4.736455e-01	-4.394411e-01	-1.294231e+00	7.751527e-01
##	7576	7577	7578	7579	7580
##	-6.574587e-01	2.252674e+00	1.652045e+00	9.304274e-01	8.778068e-01
##	7581	7582	7583	7584	7585
##	4.651559e-01	-2.199668e-01	7.570683e-01	1.472985e+00	8.713517e-01
##	7586	7587	7588	7589	7590
##	-9.385456e-01	1.469468e+00	6.266848e-01	4.967282e-01	7.218540e-01
##	7591	7592	7593	7594	7595
##	-5.117899e-02	-7.721188e-01	1.282585e-01	1.794686e+00	4.877614e-01
##	7596	7597	7598	7599	7600

##	-1.897195e+00	2.702462e-01	-6.189288e-01	-8.339072e-01	-1.384477e+00
##	7601	7602	7603	7604	7605
##	-1.586871e+00	-5.419696e-01	2.907055e-02	2.918219e-01	-5.149435e-01
##	7606	7607	7608	7609	7610
##	-5.657054e-01	5.315909e-01	1.045967e+00	1.699216e+00	1.129733e+00
##	7611	7612	7613	7614	7615
##	-1.832242e+00	-1.575971e+00	-3.978219e-01	-2.974534e-01	7.818841e-01
##	7616	7617	7618	7619	7620
##	5.312644e-01	8.854815e-02	-6.323665e-01	7.282337e-01	-1.170126e+00
##	7621	7622	7623	7624	7625
##	8.998608e-01	-1.400176e-01	2.697198e-01	2.129399e+00	1.212771e+00
##	7626	7627	7628	7629	7630
##	1.784689e-01	-1.407935e+00	-9.882515e-01	-1.165378e+00	-8.232329e-02
##	7631	7632	7633	7634	7635
##	6.962354e-01	-7.659656e-02	-4.743781e-01	6.162371e-01	-3.351031e-01
##	7636	7637	7638	7639	7640
##	1.631337e-01	1.530390e+00	-6.763595e-01	-1.637932e+00	1.051119e+00
##	7641	7642	7643	7644	7645
##	7.689767e-01	2.285046e-02	-1.591992e-01	1.775129e+00	-2.091323e-01
##	7646	7647	7648	7649	7650
##	-2.522083e-01	6.377202e-01	-2.131103e+00	-1.204001e+00	-1.036650e-01
##	7651	7652	7653	7654	7655
##	-3.270828e-01	7.602923e-01	7.989226e-01	1.584288e+00	-6.664668e-01
##	7656	7657	7658	7659	7660
##	-3.391893e-01	-2.273423e-01	-8.581866e-01	1.295566e+00	1.434238e+00
##	7661	7662	7663	7664	7665
##	1.206550e+00	6.134821e-01	-3.692546e-01	4.401732e-01	6.227001e-01
##	7666	7667	7668	7669	7670
##	-5.194865e-02	-7.435264e-01	7.912116e-01	7.019701e-01	-2.502994e-01
##	7671	7672	7673	7674	7675
##	1.890512e-01	5.003792e-01	2.867321e-01	3.450485e-02	-2.755982e-02
##	7676	7677	7678	7679	7680
##	2.851748e-01	4.253289e-01	-5.417095e-01	-4.099445e-01	-9.575882e-03
##	7681	7682	7683	7684	7685
##	9.772298e-01	8.702498e-02	5.444793e-02	-7.225284e-01	4.655667e-01
##	7686	7687	7688	7689	7690
##	5.160775e-01	9.531366e-02	-1.217715e+00	4.237968e-01	-9.917851e-01
##	7691	7692	7693	7694	7695
##	-1.841715e-02	3.172495e-01	-1.374371e+00	-1.747864e+00	6.025310e-01
##	7696	7697	7698	7699	7700
##	1.442300e+00	8.511607e-02	1.414295e+00	-2.929233e-01	8.893697e-01
##	7701	7702	7703	7704	7705
##	-3.201253e-01	5.324790e-01	3.468067e-02	-2.745878e-01	1.771707e-01
##	7706	7707	7708	7709	7710
##	1.524861e+00	-6.729470e-01	-9.363263e-01	-1.735556e+00	-2.029503e+00
##	7711	7712	7713	7714	7715
##	-5.948827e-01	-1.357944e+00	-6.535565e-01	1.963854e-01	-5.820729e-01
##	7716	7717	7718	7719	7720
##	-5.543183e-01	-1.026874e+00	5.099238e-01	7.254045e-01	-5.479888e-01
##	7721	7722	7723	7724	7725
##	1.416047e-01	-2.104886e-01	-3.851789e-01	4.760908e-01	1.444681e-01
##	7726	7727	7728	7729	7730
##	6.437735e-01	-1.070101e+00	4.751113e-01	3.363888e-01	-3.731478e-01
##	7731	7732	7733	7734	7735

##	-2.869957e-01	-6.003080e-01	-9.215573e-01	-7.564116e-01	-1.422897e+00
##	7736	7737	7738	7739	7740
##	-5.495461e-01	1.662447e-01	8.946443e-01	3.558044e-01	-4.413913e-01
##	7741	7742	7743	7744	7745
##	-9.802563e-01	-2.733597e-03	2.504983e-01	6.282237e-02	1.086425e+00
##	7746	7747	7748	7749	7750
##	-8.878522e-02	2.942525e-01	4.117509e-01	-6.087119e-01	-7.131493e-01
##	7751	7752	7753	7754	7755
##	3.767877e-01	1.106242e+00	-3.119769e-01	4.393296e-01	-1.433034e+00
##	7756	7757	7758	7759	7760
##	5.828746e-01	4.432730e-01	-3.164353e-02	1.769563e+00	-8.963544e-01
##	7761	7762	7763	7764	7765
##	-3.730871e-01	-2.043998e-01	-2.636011e-01	2.115415e-01	2.687962e-02
##	7766	7767	7768	7769	7770
##	-1.251236e+00	5.236482e-01	-2.042994e-01	-5.506408e-01	-1.142290e-01
##	7771	7772	7773	7774	7775
##	8.087036e-01	4.269971e-01	4.078829e-01	5.757162e-01	4.525915e-01
##	7776	7777	7778	7779	7780
##	4.394552e-01	-1.429493e+00	5.149325e-01	-9.852945e-01	1.138091e+00
##	7781	7782	7783	7784	7785
##	-9.364917e-01	-7.546429e-01	-7.507497e-02	1.318529e+00	1.710433e+00
##	7786	7787	7788	7789	7790
##	7.820505e-01	3.367722e-01	-2.526789e-01	6.264492e-01	-3.497821e-01
##	7791	7792	7793	7794	7795
##	3.061794e-01	2.830967e-01	-1.417110e-01	1.118245e+00	1.264251e+00
##	7796	7797	7798	7799	7800
##	4.142840e-01	1.075520e+00	1.135525e+00	7.067239e-01	3.804522e-01
##	7801	7802	7803	7804	7805
##	1.028111e+00	9.124213e-01	-8.405447e-02	1.474972e+00	2.159708e-01
##	7806	7807	7808	7809	7810
##	4.679971e-01	-5.004574e-02	-2.991835e-01	-8.866253e-01	-2.361895e-01
##	7811	7812	7813	7814	7815
##	-2.633664e-01	5.060497e-01	5.206177e-01	-6.810910e-01	1.137472e+00
##	7816	7817	7818	7819	7820
##	1.213150e+00	3.770978e-01	3.087790e-01	-2.178288e-01	2.685562e+00
##	7821	7822	7823	7824	7825
##	8.709934e-01	9.908780e-01	-7.362329e-01	1.515376e+00	1.198999e+00
##	7826	7827	7828	7829	7830
##	1.507364e-02	1.497166e+00	-2.020146e-01	1.611575e+00	6.303202e-01
##	7831	7832	7833	7834	7835
##	1.243206e+00	2.394956e+00	1.240192e+00	2.265858e-01	7.241079e-01
##	7836	7837	7838	7839	7840
##	6.270800e-01	-7.283210e-01	1.388936e+00	9.559650e-01	4.420414e-01
##	7841	7842	7843	7844	7845
##	1.916573e+00	8.095567e-01	2.106309e+00	8.668240e-01	-8.800747e-02
##	7846	7847	7848	7849	7850
##	2.367277e+00	1.143139e+00	-7.152349e-01	1.789003e+00	4.087611e-01
##	7851	7852	7853	7854	7855
##	1.894144e+00	-5.178135e-01	2.168072e+00	1.796840e+00	1.521580e+00
##	7856	7857	7858	7859	7860
##	8.497694e-01	2.043320e-01	2.303329e+00	1.422844e+00	1.353320e+00
##	7861	7862	7863	7864	7865
##	1.112470e+00	8.373866e-01	6.304960e-01	5.006650e-01	9.245685e-01
##	7866	7867	7868	7869	7870

##	3.093973e-01	2.837275e-01	-2.882420e-01	8.090292e-01	3.710611e-01
##	7871	7872	7873	7874	7875
##	-8.207886e-02	-5.328829e-01	4.786633e-01	1.414394e-01	2.817295e-01
##	7876	7877	7878	7879	7880
##	-7.385072e-01	-2.914494e-01	1.383091e+00	7.849745e-01	5.146127e-01
##	7881	7882	7883	7884	7885
##	-8.455882e-02	-4.032989e-03	6.099552e-02	1.021375e-01	-6.813693e-01
##	7886	7887	7888	7889	7890
##	5.536197e-01	-4.385610e-01	-8.303396e-01	2.641185e-01	-1.217826e-01
##	7891	7892	7893	7894	7895
##	4.463440e-01	-9.078262e-01	-2.956942e-01	1.889904e-02	-5.883351e-01
##	7896	7897	7898	7899	7900
##	5.516832e-02	2.807210e-01	-6.532631e-01	-1.977873e-01	4.323286e-01
##	7901	7902	7903	7904	7905
##	6.946027e-01	-4.334396e-03	-1.709621e-01	9.786761e-02	-2.540499e-01
##	7906	7907	7908	7909	7910
##	-3.975195e-01	-2.233315e-01	8.967939e-02	4.054783e-01	-2.177806e-01
##	7911	7912	7913	7914	7915
##	-1.480775e+00	-3.631340e-01	-2.680904e-01	-6.371152e-02	-2.111996e+00
##	7916	7917	7918	7919	7920
##	-1.119617e-01	-4.768673e-02	4.542057e-01	7.257230e-01	-1.026128e+00
##	7921	7922	7923	7924	7925
##	4.034438e-01	-2.531457e-01	-7.704877e-02	1.376435e+00	4.299425e-01
##	7926	7927	7928	7929	7930
##	-6.834540e-01	-6.302557e-01	6.252767e-02	-1.123407e+00	-1.916085e-01
##	7931	7932	7933	7934	7935
##	4.340366e-01	-2.838889e+00	-2.444049e-01	2.201885e-01	1.108585e+00
##	7936	7937	7938	7939	7940
##	4.347650e-01	3.352505e-01	1.169818e-01	3.306792e-01	-9.746908e-02
##	7941	7942	7943	7944	7945
##	5.731609e-01	-2.028384e-02	-2.768563e-01	1.020952e+00	-8.040627e-02
##	7946	7947	7948	7949	7950
##	1.030500e-01	-1.020368e+00	2.724154e-01	1.204311e-01	3.859202e-01
##	7951	7952	7953	7954	7955
##	-9.049044e-01	-3.804818e-01	1.669231e-01	-3.321563e-01	5.817592e-01
##	7956	7957	7958	7959	7960
##	1.747345e-01	-1.703155e+00	-2.560762e-01	5.645539e-01	8.946697e-01
##	7961	7962	7963	7964	7965
##	1.257337e+00	3.474155e-01	1.995755e-01	-7.975283e-01	-2.909389e-01
##	7966	7967	7968	7969	7970
##	-1.143317e+00	3.527906e-01	-8.346766e-01	-3.098019e-01	-1.550794e+00
##	7971	7972	7973	7974	7975
##	-2.353490e+00	-1.325618e+00	1.171637e+00	-8.856395e-01	-1.140956e+00
##	7976	7977	7978	7979	7980
##	7.168899e-01	1.397211e-01	-1.321700e+00	-4.016847e-02	-1.723353e-01
##	7981	7982	7983	7984	7985
##	5.812066e-01	1.117233e+00	2.649054e-01	-2.864429e-01	2.993160e-01
##	7986	7987	7988	7989	7990
##	-1.106495e+00	-6.167345e-01	-4.384775e-01	-1.559685e+00	1.241614e+00
##	7991	7992	7993	7994	7995
##	-6.587807e-01	1.201276e+00	-6.267562e-01	-7.865018e-01	2.837433e-01
##	7996	7997	7998	7999	8000
##	5.373771e-01	2.479261e-01	-5.593667e-01	4.177437e-01	6.546243e-01
##	8001	8002	8003	8004	8005

##	6.896628e-01	-5.511534e-01	-2.265132e-01	-3.501298e-01	-4.549440e-01
##	8006	8007	8008	8009	8010
##	-5.996443e-01	1.085108e-01	8.680809e-01	2.725657e-02	-4.300026e-01
##	8011	8012	8013	8014	8015
##	-7.599927e-01	-6.390784e-01	9.727946e-01	6.483805e-01	-4.941520e-01
##	8016	8017	8018	8019	8020
##	1.452433e+00	3.645809e-01	-1.030656e+00	1.064146e+00	-1.030053e+00
##	8021	8022	8023	8024	8025
##	5.156862e-01	2.307815e-01	-1.529595e-01	4.308042e-02	1.429602e+00
##	8026	8027	8028	8029	8030
##	1.105891e+00	-2.733967e-01	8.640764e-02	-2.406352e+00	-1.122836e+00
##	8031	8032	8033	8034	8035
##	-7.338708e-01	-1.316565e+00	-3.792658e-01	4.800951e-01	1.647232e-01
##	8036	8037	8038	8039	8040
##	2.499208e-01	1.442035e+00	5.059048e-02	-1.357542e-01	-4.351265e-01
##	8041	8042	8043	8044	8045
##	1.007205e+00	8.075233e-01	-1.069186e+00	4.700733e-01	-2.509167e-01
##	8046	8047	8048	8049	8050
##	-1.880246e+00	-1.360054e-01	6.314515e-01	-1.963083e+00	-4.079999e-01
##	8051	8052	8053	8054	8055
##	-2.958766e-01	2.745608e-01	9.282078e-01	1.184931e+00	1.687382e-01
##	8056	8057	8058	8059	8060
##	6.626685e-01	1.130452e+00	1.019459e+00	3.345370e-01	2.506454e-01
##	8061	8062	8063	8064	8065
##	3.297898e-01	6.204715e-01	4.126516e-01	2.278892e-01	-1.496478e-01
##	8066	8067	8068	8069	8070
##	6.341353e-01	-4.625080e-01	4.242306e-01	1.460567e+00	3.965765e-01
##	8071	8072	8073	8074	8075
##	-3.793951e-01	-6.018333e-01	4.641726e-02	3.066066e-01	-1.728561e-01
##	8076	8077	8078	8079	8080
##	-1.086395e+00	2.443410e-01	-1.622404e-02	6.816985e-02	4.302660e-01
##	8081	8082	8083	8084	8085
##	2.010768e+00	-1.039021e-01	-5.134553e-01	-4.221620e-01	-6.650064e-01
##	8086	8087	8088	8089	8090
##	-6.889305e-01	-1.138239e+00	4.859906e-01	6.613010e-01	-1.111913e+00
##	8091	8092	8093	8094	8095
##	-4.522556e-01	2.994952e-01	-1.194187e+00	-1.137320e+00	1.257097e+00
##	8096	8097	8098	8099	8100
##	1.162258e-01	-1.146386e+00	1.113341e+00	-1.160491e+00	5.367824e-01
##	8101	8102	8103	8104	8105
##	-1.002370e+00	-1.093169e+00	-6.550378e-03	9.856522e-02	-1.189407e+00
##	8106	8107	8108	8109	8110
##	-4.263303e-02	3.130269e-01	3.380631e-01	5.145319e-01	1.286401e+00
##	8111	8112	8113	8114	8115
##	-6.988004e-01	-5.537605e-01	2.241119e-01	-6.009404e-01	6.773159e-01
##	8116	8117	8118	8119	8120
##	7.731064e-03	5.008471e-01	-8.942286e-01	8.014160e-02	-1.294523e+00
##	8121	8122	8123	8124	8125
##	-4.109299e-01	1.326148e-01	-1.841953e+00	3.825704e-01	-5.607056e-02
##	8126	8127	8128	8129	8130
##	2.024564e-01	1.788854e-01	-1.007362e+00	-4.198308e-01	4.441704e-01
##	8131	8132	8133	8134	8135
##	3.798860e-01	-6.193009e-01	-4.361256e-01	-2.772278e-01	1.199463e-01
##	8136	8137	8138	8139	8140



##	-9.148914e-01	-2.162291e+00	8.302301e-01	-3.141265e-01	4.409971e-01
##	8141	8142	8143	8144	8145
##	6.824992e-01	5.722346e-01	5.139375e-01	-9.370596e-01	6.948067e-01
##	8146	8147	8148	8149	8150
##	6.138790e-01	-1.090200e-01	-1.040392e+00	-1.401000e+00	-2.416992e+00
##	8151	8152	8153	8154	8155
##	-2.004667e+00	-8.043402e-01	-6.418820e-01	-1.518674e+00	1.194137e+00
##	8156	8157	8158	8159	8160
##	-1.219277e+00	-1.143574e+00	-1.536834e+00	-3.636836e-01	-6.811402e-01
##	8161	8162	8163	8164	8165
##	-1.893449e-01	-2.254132e-01	-1.124233e+00	-7.342631e-01	8.006252e-02
##	8166	8167	8168	8169	8170
##	-2.056861e+00	-2.789631e-01	-5.966462e-02	6.871962e-01	-1.639388e+00
##	8171	8172	8173	8174	8175
##	-4.265520e-01	-9.075469e-01	8.282294e-01	-4.922586e-01	2.728875e-01
##	8176	8177	8178	8179	8180
##	5.997129e-01	3.503993e-01	3.243778e-01	-4.878631e-01	4.035218e-02
##	8181	8182	8183	8184	8185
##	-5.565336e-01	5.269734e-01	-2.266188e-01	4.105299e-01	1.173616e-01
##	8186	8187	8188	8189	8190
##	7.378074e-01	-3.710680e-01	8.842656e-02	8.520154e-01	-1.513827e+00
##	8191	8192	8193	8194	8195
##	3.177720e-01	9.404029e-01	-4.737221e-01	6.646660e-01	3.820218e-01
##	8196	8197	8198	8199	8200
##	-6.138512e-01	-1.080077e+00	-1.559138e-01	-1.045817e+00	-1.503525e-01
##	8201	8202	8203	8204	8205
##	-1.305619e+00	-3.928845e-01	4.483920e-01	2.874910e-01	-8.309792e-01
##	8206	8207	8208	8209	8210
##	-1.080300e-01	1.721024e-01	4.586649e-01	1.817726e-01	4.744564e-02
##	8211	8212	8213	8214	8215
##	-3.710576e-01	-3.903225e-01	-2.226650e-01	5.056018e-02	-7.596714e-01
##	8216	8217	8218	8219	8220
##	2.881440e-01	-3.403465e-02	-5.551167e-01	5.716422e-01	-1.306104e-01
##	8221	8222	8223	8224	8225
##	-2.028224e-01	-3.883634e-01	-6.214010e-01	-1.694158e+00	-5.060376e-01
##	8226	8227	8228	8229	8230
##	-5.962838e-01	-5.091019e-01	-5.983685e-01	-5.288692e-01	-2.579296e-01
##	8231	8232	8233	8234	8235
##	-1.284295e+00	-1.539812e+00	3.198420e-01	5.028210e-01	2.738021e-01
##	8236	8237	8238	8239	8240
##	-9.268517e-01	1.186185e+00	-7.007787e-02	-3.765332e-01	-5.495406e-01
##	8241	8242	8243	8244	8245
##	-5.735025e-01	4.478896e-01	4.676066e-01	8.468014e-01	-1.809202e-01
##	8246	8247	8248	8249	8250
##	-2.768429e-01	-1.547964e+00	3.108646e-01	-2.286484e+00	-1.303557e+00
##	8251	8252	8253	8254	8255
##	6.800635e-01	-1.900950e+00	-3.880831e-01	-9.984074e-01	-2.750556e-01
##	8256	8257	8258	8259	8260
##	-1.193207e-01	-1.168216e+00	-1.060901e+00	-3.884720e-01	-2.133887e-01
##	8261	8262	8263	8264	8265
##	-1.840207e+00	7.291636e-01	-1.773946e+00	2.708795e-01	-1.403386e+00
##	8266	8267	8268	8269	8270
##	-7.238113e-01	-1.825918e-01	3.621280e-01	-9.915043e-01	6.940400e-01
##	8271	8272	8273	8274	8275

##	-3.628281e-01	-1.867844e+00	-1.000319e+00	9.998209e-01	-1.767721e-01
##	8276	8277	8278	8279	8280
##	-4.763892e-01	-2.614956e-01	2.196484e-01	4.158454e-01	7.097640e-01
##	8281	8282	8283	8284	8285
##	-3.465959e-01	1.396108e-01	-1.043764e+00	3.615451e-01	-5.292296e-01
##	8286	8287	8288	8289	8290
##	6.656677e-02	-3.515880e-01	3.747316e-01	2.005279e-01	4.020466e-01
##	8291	8292	8293	8294	8295
##	1.712821e-01	-8.091061e-02	2.110065e-01	9.305760e-02	-4.769779e-01
##	8296	8297	8298	8299	8300
##	2.990346e-02	-4.326617e-01	-8.025128e-02	-5.949272e-02	2.911438e-01
##	8301	8302	8303	8304	8305
##	8.716532e-01	-9.557508e-01	6.739952e-02	-1.141267e+00	1.572424e+00
##	8306	8307	8308	8309	8310
##	-7.736760e-01	1.486372e+00	7.825016e-02	7.496337e-01	-1.653859e+00
##	8311	8312	8313	8314	8315
##	1.696980e+00	-5.920282e-01	8.725825e-01	1.221762e+00	-1.533307e-01
##	8316	8317	8318	8319	8320
##	-1.062474e+00	2.617566e-01	1.307688e+00	2.201123e-01	7.448257e-02
##	8321	8322	8323	8324	8325
##	1.072239e+00	-1.526213e+00	4.963515e-01	3.803099e-01	-1.159929e+00
##	8326	8327	8328	8329	8330
##	4.088682e-01	-5.016815e-01	1.866310e-01	-4.050304e-01	4.285853e-01
##	8331	8332	8333	8334	8335
##	5.607270e-01	3.143270e-01	7.299920e-01	1.120339e+00	-1.324597e+00
##	8336	8337	8338	8339	8340
##	-6.964008e-02	4.267266e-01	-9.774626e-02	-1.486553e+00	2.444006e-01
##	8341	8342	8343	8344	8345
##	-6.216916e-01	-3.306332e-01	1.538290e+00	-9.596942e-01	9.824453e-01
##	8346	8347	8348	8349	8350
##	1.742945e+00	-1.652201e+00	-1.883883e+00	1.501970e+00	2.233273e-01
##	8351	8352	8353	8354	8355
##	-2.915111e-02	-4.198601e-02	7.205228e-01	1.626200e+00	1.795716e+00
##	8356	8357	8358	8359	8360
##	1.006809e+00	1.089847e+00	2.126108e+00	1.017534e+00	-1.608598e+00
##	8361	8362	8363	8364	8365
##	-4.548128e-01	-6.705698e-01	6.465120e-03	-7.104057e-01	6.635318e-01
##	8366	8367	8368	8369	8370
##	2.806699e-01	1.357295e+00	1.585334e+00	4.967032e-01	1.900218e-01
##	8371	8372	8373	8374	8375
##	-1.615982e+00	1.108710e+00	8.282506e-01	1.295180e+00	5.245080e-01
##	8376	8377	8378	8379	8380
##	1.000002e+00	1.356843e+00	1.681659e+00	4.273796e-01	8.758478e-01
##	8381	8382	8383	8384	8385
##	1.295657e+00	4.647792e-01	-1.205240e+00	4.136154e-01	1.151133e+00
##	8386	8387	8388	8389	8390
##	8.731853e-01	-1.907342e+00	1.549391e+00	5.778067e-01	-1.668186e-01
##	8391	8392	8393	8394	8395
##	7.342619e-01	4.708324e-01	8.105178e-01	1.321076e+00	1.373345e+00
##	8396	8397	8398	8399	8400
##	1.168463e+00	-1.362323e+00	-2.415980e-03	-1.321698e+00	1.351805e+00
##	8401	8402	8403	8404	8405
##	-5.722177e-02	-7.525169e-01	-1.384760e-01	3.823046e-01	7.807894e-01
##	8406	8407	8408	8409	8410

##	4.947544e-01	-1.180891e+00	-1.497846e+00	-3.618222e-01	6.509798e-01
##	8411	8412	8413	8414	8415
##	1.331883e+00	-2.573345e-01	-9.882207e-01	3.941311e-01	2.142917e-01
##	8416	8417	8418	8419	8420
##	6.593941e-01	1.063881e-01	4.380611e-01	2.977824e-01	8.708571e-01
##	8421	8422	8423	8424	8425
##	2.104062e+00	5.074350e+00	2.674449e+00	1.786882e+00	-3.209348e-02
##	8426	8427	8428	8429	8430
##	3.315789e-01	4.422203e-01	2.521833e-01	1.363319e+00	-7.841786e-01
##	8431	8432	8433	8434	8435
##	4.275769e-01	1.018818e-01	7.914251e-01	6.313028e-01	5.930492e-01
##	8436	8437	8438	8439	8440
##	3.487591e-01	4.822571e-01	1.441484e+00	8.309413e-02	1.343200e+00
##	8441	8442	8443	8444	8445
##	-5.282843e-01	1.322654e+00	6.096517e-01	3.124395e-01	8.108476e-02
##	8446	8447	8448	8449	8450
##	9.010869e-01	-7.589792e-02	6.993453e-01	-7.014608e-02	6.071902e-01
##	8451	8452	8453	8454	8455
##	1.584401e+00	5.000150e-01	8.287995e-01	1.922285e-01	1.883102e-01
##	8456	8457	8458	8459	8460
##	2.444472e-01	1.127946e+00	-6.393423e-01	1.307770e-01	-5.398279e-01
##	8461	8462	8463	8464	8465
##	-6.422810e-01	4.584062e-01	-1.638481e-01	-1.969450e+00	9.184533e-02
##	8466	8467	8468	8469	8470
##	-7.394596e-01	8.398364e-01	4.619979e-01	1.320530e+00	7.892252e-01
##	8471	8472	8473	8474	8475
##	-1.495564e-01	9.717270e-01	6.982506e-01	9.150876e-01	5.735687e-01
##	8476	8477	8478	8479	8480
##	-3.964336e-02	1.068186e+00	1.251165e+00	1.320714e+00	1.489402e+00
##	8481	8482	8483	8484	8485
##	1.586806e+00	1.134822e+00	1.642642e+00	8.281154e-01	1.171267e+00
##	8486	8487	8488	8489	8490
##	1.085667e+00	1.521605e-01	1.479480e+00	8.444164e-01	5.488871e-01
##	8491	8492	8493	8494	8495
##	2.381541e+00	1.333625e+00	1.488196e+00	-4.260632e-01	2.491381e-01
##	8496	8497	8498	8499	8500
##	8.688806e-01	1.141603e+00	-2.303250e+00	-8.123662e-01	6.743477e-01
##	8501	8502	8503	8504	8505
##	-1.700935e-01	5.155817e-01	1.272540e+00	9.138153e-01	-1.714451e+00
##	8506	8507	8508	8509	8510
##	-1.714451e+00	1.216855e+00	4.677836e-01	-4.266409e-01	-7.962912e-01
##	8511	8512	8513	8514	8515
##	-1.203693e+00	4.058194e-01	2.014435e-02	1.056557e+00	1.699583e+00
##	8516	8517	8518	8519	8520
##	7.306605e-01	-2.585313e-01	1.444746e-01	7.700946e-01	1.769785e+00
##	8521	8522	8523	8524	8525
##	1.631013e+00	-3.557852e-01	1.210701e+00	1.388179e+00	1.450523e-01
##	8526	8527	8528	8529	8530
##	-1.788999e+00	-1.275952e-01	4.827032e-01	2.406987e-01	9.362450e-01
##	8531	8532	8533	8534	8535
##	1.127236e+00	1.861614e+00	2.220690e+00	7.900879e-01	6.554846e-01
##	8536	8537	8538	8539	8540
##	1.153383e+00	3.876345e-01	-1.353815e-01	1.245689e+00	1.676852e+00
##	8541	8542	8543	8544	8545

##	2.338892e+00	1.034730e+00	1.265180e+00	-5.038482e-02	6.049739e-01
##	8546	8547	8548	8549	8550
##	1.164611e+00	2.316160e+00	8.140497e-01	1.476265e+00	5.197009e-01
##	8551	8552	8553	8554	8555
##	1.135600e+00	1.857620e+00	8.992474e-01	1.416286e+00	8.799322e-01
##	8556	8557	8558	8559	8560
##	1.383993e-02	1.295371e+00	5.329910e-02	4.910170e-01	-3.530223e-01
##	8561	8562	8563	8564	8565
##	8.012902e-01	6.670888e-01	4.580632e-01	1.488523e+00	1.318479e+00
##	8566	8567	8568	8569	8570
##	1.220572e+00	1.079715e+00	1.353970e+00	1.404882e+00	1.231372e+00
##	8571	8572	8573	8574	8575
##	1.849658e+00	1.775085e+00	1.376098e+00	8.906573e-01	1.504347e+00
##	8576	8577	8578	8579	8580
##	1.821452e+00	6.074605e-01	3.093441e-01	3.909500e-01	1.790532e+00
##	8581	8582	8583	8584	8585
##	1.724147e+00	1.090289e+00	1.762602e+00	-8.618220e-01	1.341034e+00
##	8586	8587	8588	8589	8590
##	5.796306e-01	5.494397e-01	1.485835e+00	1.387981e-01	1.313581e+00
##	8591	8592	8593	8594	8595
##	1.115381e+00	-2.069656e-01	1.154464e+00	3.102011e-02	6.740212e-01
##	8596	8597	8598	8599	8600
##	1.362057e+00	1.120882e+00	1.136831e+00	-1.420878e-01	9.617641e-01
##	8601	8602	8603	8604	8605
##	9.368227e-01	1.901199e+00	-1.556263e+00	-2.654288e+00	-2.847502e-03
##	8606	8607	8608	8609	8610
##	8.418369e-02	-1.421728e-01	3.829029e-01	6.572584e-01	-4.381542e-01
##	8611	8612	8613	8614	8615
##	1.205643e+00	9.484424e-01	1.305208e+00	1.267858e+00	8.546467e-02
##	8616	8617	8618	8619	8620
##	1.141737e-01	-4.061297e-01	1.100125e+00	6.421880e-01	-2.714763e-01
##	8621	8622	8623	8624	8625
##	-3.811883e-01	4.656390e-01	1.307762e-01	-2.969200e-01	8.470442e-01
##	8626	8627	8628	8629	8630
##	-7.763828e-01	1.064107e+00	1.006086e+00	9.170961e-01	8.265234e-01
##	8631	8632	8633	8634	8635
##	-1.915524e+00	-1.049490e-01	4.684522e-01	5.495557e-01	-9.919640e-01
##	8636	8637	8638	8639	8640
##	6.136046e-01	-7.678680e-01	-1.119534e+00	2.118102e+00	-4.431274e-01
##	8641	8642	8643	8644	8645
##	-8.017010e-01	2.824340e-01	2.770087e-01	5.651786e-01	-4.633217e-01
##	8646	8647	8648	8649	8650
##	6.406559e-01	7.258033e-01	2.305669e-01	-4.680265e-02	2.511128e-01
##	8651	8652	8653	8654	8655
##	8.319487e-01	-1.789946e-01	-4.897952e-01	1.404521e+00	6.252339e-01
##	8656	8657	8658	8659	8660
##	3.904883e-01	2.105367e+00	7.501419e-01	7.181191e-01	7.762982e-02
##	8661	8662	8663	8664	8665
##	1.250473e+00	6.162377e-01	-7.335622e-01	-4.008343e-01	1.012110e+00
##	8666	8667	8668	8669	8670
##	4.473745e-01	-5.376441e-02	5.074801e-01	2.834846e-01	-2.801925e-02
##	8671	8672	8673	8674	8675
##	5.122775e-01	-1.287171e+00	1.679952e+00	-6.917922e-01	6.882488e-01
##	8676	8677	8678	8679	8680

##	7.299182e-01	8.703738e-01	-5.724352e-01	-5.753739e-01	-1.148172e+00
##	8681	8682	8683	8684	8685
##	-2.511858e-01	-1.928887e-01	-5.208946e-01	-7.774420e-01	-1.297921e+00
##	8686	8687	8688	8689	8690
##	-2.838131e-01	-1.055088e+00	-2.929809e-01	-6.178974e-01	-7.545853e-01
##	8691	8692	8693	8694	8695
##	1.694244e+00	-8.063519e-01	-1.782165e-02	6.062410e-01	3.491662e-01
##	8696	8697	8698	8699	8700
##	-7.347769e-03	4.283645e-02	-1.563435e+00	-1.597871e+00	-1.203581e+00
##	8701	8702	8703	8704	8705
##	6.272892e-01	-1.380858e+00	7.544829e-01	9.819445e-01	-5.268474e-01
##	8706	8707	8708	8709	8710
##	-5.372459e-01	-1.657148e+00	-2.196390e+00	-6.178471e-01	-1.917588e+00
##	8711	8712	8713	8714	8715
##	1.723660e-01	-1.193685e+00	-1.211593e+00	-1.705071e+00	-1.986661e+00
##	8716	8717	8718	8719	8720
##	-6.832775e-01	7.359213e-01	-1.512071e+00	-1.910907e+00	-6.439859e-02
##	8721	8722	8723	8724	8725
##	-5.067381e-01	-2.240939e-01	-1.257618e+00	-2.225869e-01	-5.931162e-01
##	8726	8727	8728	8729	8730
##	-1.203347e-01	-1.615639e+00	1.011548e+00	1.132061e+00	4.723566e-01
##	8731	8732	8733	8734	8735
##	-6.931079e-01	2.010905e-01	7.625789e-02	-3.791175e-01	-6.419441e-01
##	8736	8737	8738	8739	8740
##	2.341197e-01	3.588267e-01	-7.632101e-01	-3.955765e-02	-7.661488e-01
##	8741	8742	8743	8744	8745
##	1.407589e-01	1.232522e-01	3.207992e-01	3.710013e-02	-3.421449e-01
##	8746	8747	8748	8749	8750
##	5.602920e-01	-8.650354e-01	-9.725192e-02	-1.397772e+00	2.970886e-01
##	8751	8752	8753	8754	8755
##	5.745837e-01	-4.310599e-01	3.424000e-01	-4.181820e-02	4.062983e-01
##	8756	8757	8758	8759	8760
##	-5.715908e-01	-3.840656e-01	4.698908e-03	-8.401191e-01	-5.605392e-01
##	8761	8762	8763	8764	8765
##	1.286808e+00	-5.233416e-02	-3.825755e-01	-3.033306e-01	7.578723e-01
##	8766	8767	8768	8769	8770
##	-2.735667e-01	7.421238e-01	-1.297395e+00	7.443341e-01	1.403033e+00
##	8771	8772	8773	8774	8775
##	1.308643e+00	-3.403283e-01	8.157173e-01	-1.580341e+00	1.040391e+00
##	8776	8777	8778	8779	8780
##	1.065558e+00	-9.739104e-01	4.175087e-01	1.111036e-01	-9.122476e-01
##	8781	8782	8783	8784	8785
##	3.484363e-01	4.713276e-01	5.860882e-01	-3.181822e-01	1.782849e-01
##	8786	8787	8788	8789	8790
##	1.814245e-01	-3.968494e-01	-1.886402e+00	6.870344e-01	3.828145e-01
##	8791	8792	8793	8794	8795
##	-2.891216e-01	-2.188687e-01	2.689079e-01	1.334005e-02	-4.420855e-01
##	8796	8797	8798	8799	8800
##	6.220561e-01	-1.570803e-01	-1.023248e-01	-3.220283e-01	1.129999e+00
##	8801	8802	8803	8804	8805
##	1.380691e-01	1.673307e-01	-1.027046e-01	5.090255e-01	5.494893e-01
##	8806	8807	8808	8809	8810
##	2.823174e-01	1.625938e+00	1.322497e+00	1.424398e+00	1.263170e+00
##	8811	8812	8813	8814	8815

##	1.818987e-01	1.160843e+00	7.223963e-01	8.925153e-01	1.323552e+00
##	8816	8817	8818	8819	8820
##	3.394088e-01	1.705309e+00	1.646610e+00	7.072506e-01	8.015187e-01
##	8821	8822	8823	8824	8825
##	-4.883515e-01	2.546413e-01	-1.446473e-01	6.166810e-01	-1.051706e+00
##	8826	8827	8828	8829	8830
##	7.085851e-02	2.469303e-01	-1.282734e+00	-9.252657e-01	1.220978e-02
##	8831	8832	8833	8834	8835
##	-5.189443e-01	-8.646076e-01	-2.819130e-01	9.259212e-01	-1.532076e+00
##	8836	8837	8838	8839	8840
##	2.996457e-02	1.836396e+00	6.682687e-01	7.305343e-01	4.954622e-01
##	8841	8842	8843	8844	8845
##	3.412173e-01	1.294240e+00	-4.931268e-01	1.005116e+00	9.256198e-01
##	8846	8847	8848	8849	8850
##	1.557871e+00	4.731581e-01	1.720778e-01	1.085541e+00	2.660414e-01
##	8851	8852	8853	8854	8855
##	-4.390243e-01	8.051074e-01	8.293680e-02	1.152278e+00	3.482501e-01
##	8856	8857	8858	8859	8860
##	1.582787e+00	1.776592e+00	1.068939e+00	8.796553e-01	1.659269e+00
##	8861	8862	8863	8864	8865
##	1.316168e+00	2.914098e-01	9.487528e-01	4.829538e-01	1.057862e+00
##	8866	8867	8868	8869	8870
##	1.000670e+00	3.535247e-01	9.644987e-02	1.225871e+00	1.117515e+00
##	8871	8872	8873	8874	8875
##	2.128057e+00	5.480074e-01	1.256238e+00	1.900445e+00	-4.654728e-01
##	8876	8877	8878	8879	8880
##	3.818569e-01	-9.416703e-01	9.209731e-01	2.722306e-01	7.937397e-01
##	8881	8882	8883	8884	8885
##	2.334402e-02	2.834078e-01	6.374351e-01	-1.208289e-01	8.392018e-01
##	8886	8887	8888	8889	8890
##	5.383226e-01	4.269528e-01	3.272625e-01	9.042052e-01	1.286414e+00
##	8891	8892	8893	8894	8895
##	8.362380e-01	-4.037493e-01	1.544242e+00	8.738385e-01	4.401895e-01
##	8896	8897	8898	8899	8900
##	2.121502e-01	1.734195e-01	-2.526943e-01	-3.079522e-01	8.744413e-01
##	8901	8902	8903	8904	8905
##	-2.908223e-01	-7.916347e-01	-1.471517e-01	2.377447e-01	1.673571e+00
##	8906	8907	8908	8909	8910
##	-7.034230e-01	3.793556e-01	3.057119e-01	4.455863e-03	-8.492034e-01
##	8911	8912	8913	8914	8915
##	1.107002e+00	-2.981314e-01	1.622935e+00	-2.010784e-01	3.801594e-01
##	8916	8917	8918	8919	8920
##	4.812060e-01	-4.217333e-01	8.674838e-01	8.681369e-01	9.634316e-01
##	8921	8922	8923	8924	8925
##	-1.863761e-01	-1.126068e-01	6.367908e-01	9.564012e-02	2.714858e-01
##	8926	8927	8928	8929	8930
##	-2.849864e-01	-4.009526e-01	1.126049e+00	-6.098777e-01	5.425007e-01
##	8931	8932	8933	8934	8935
##	1.236992e+00	-1.404116e-01	3.472645e-01	-2.261084e+00	1.200792e-01
##	8936	8937	8938	8939	8940
##	-2.516307e-01	-1.918014e-01	-2.801639e-01	-7.664585e-01	1.635069e-01
##	8941	8942	8943	8944	8945
##	-3.177958e-02	-3.356980e-01	-5.793100e-01	9.415633e-01	-9.249733e-01
##	8946	8947	8948	8949	8950

##	-1.011502e+00	7.851017e-02	-1.395168e+00	-2.554454e+00	-4.326506e-01
##	8951	8952	8953	8954	8955
##	3.779829e-01	-4.025099e-01	-1.974045e+00	-8.089318e-01	-6.550636e-01
##	8956	8957	8958	8959	8960
##	4.616735e-01	-1.137741e+00	4.065567e-01	-4.115366e-01	-4.061866e-01
##	8961	8962	8963	8964	8965
##	1.805268e-01	-7.973121e-01	1.158750e-01	-6.328947e-01	-7.176402e-01
##	8966	8967	8968	8969	8970
##	4.905989e-01	-3.302070e-01	-1.336353e+00	8.169046e-02	9.987533e-02
##	8971	8972	8973	8974	8975
##	7.911266e-01	-5.717845e-01	1.394099e-01	9.046816e-01	-1.003592e-01
##	8976	8977	8978	8979	8980
##	4.143179e-01	4.420222e-01	9.472630e-02	-2.090163e-01	2.190566e-01
##	8981	8982	8983	8984	8985
##	2.387234e-01	1.110023e-01	5.664279e-01	-1.955022e+00	-4.316119e-01
##	8986	8987	8988	8989	8990
##	-1.865529e+00	-7.409808e-01	-4.565784e-01	2.252666e+00	9.061317e-01
##	8991	8992	8993	8994	8995
##	-2.355468e-01	-1.198139e+00	-1.009007e+00	-5.889211e-01	-7.366606e-01
##	8996	8997	8998	8999	9000
##	7.932281e-02	1.566085e-01	1.073034e-01	-1.572688e+00	-2.530032e-01
##	9001	9002	9003	9004	9005
##	1.172349e+00	-4.268647e-01	1.335435e+00	-2.238673e-01	-3.827337e-01
##	9006	9007	9008	9009	9010
##	7.680623e-01	-8.777189e-01	-2.007092e-01	5.226168e-01	5.622266e-01
##	9011	9012	9013	9014	9015
##	-4.656708e-01	2.740567e-01	6.693516e-01	-1.563521e-01	2.101988e+00
##	9016	9017	9018	9019	9020
##	4.782095e-01	-4.487669e-01	7.196614e-01	4.895374e-01	-1.770504e-02
##	9021	9022	9023	9024	9025
##	8.124445e-01	1.072910e+00	-8.511700e-01	2.260828e-01	3.408668e-02
##	9026	9027	9028	9029	9030
##	-4.356557e-01	1.301678e+00	1.028227e+00	-2.690531e-01	2.794569e-01
##	9031	9032	9033	9034	9035
##	-6.635711e-02	-4.837803e-01	-1.554829e+00	-1.394983e+00	4.300598e-01
##	9036	9037	9038	9039	9040
##	-6.379516e-02	1.070524e+00	-3.166252e-01	-9.118030e-01	-1.168501e+00
##	9041	9042	9043	9044	9045
##	-1.172697e-01	-6.148420e-01	1.982505e+00	-2.463221e-01	-9.072568e-01
##	9046	9047	9048	9049	9050
##	5.989983e-01	3.734707e-01	-9.044186e-01	-6.060527e-02	6.376788e-01
##	9051	9052	9053	9054	9055
##	6.490569e-01	-1.090010e+00	-5.023420e-01	4.441003e-01	-1.770236e-01
##	9056	9057	9058	9059	9060
##	-1.284593e+00	-4.929481e-01	-1.861810e-01	-7.308230e-01	-8.661546e-01
##	9061	9062	9063	9064	9065
##	-2.509583e-01	-1.239221e+00	-4.871859e-01	-1.582004e-01	1.228949e+00
##	9066	9067	9068	9069	9070
##	9.766879e-02	-7.065095e-01	-1.746513e+00	-5.278507e-01	-5.683396e-01
##	9071	9072	9073	9074	9075
##	3.839550e-01	2.293584e-01	-4.739491e-01	-9.743345e-01	-6.649656e-01
##	9076	9077	9078	9079	9080
##	2.919254e-01	6.467565e-01	-1.080413e-01	1.106458e-02	-7.376298e-01
##	9081	9082	9083	9084	9085

##	-1.348531e+00	-7.382326e-01	9.925758e-04	3.815186e-01	-1.019119e+00
##	9086	9087	9088	9089	9090
##	-4.590546e-01	-2.816853e-02	-4.003556e-01	-4.094229e-01	-4.904260e-01
##	9091	9092	9093	9094	9095
##	-1.759700e+00	1.453497e+00	2.101437e-01	8.528599e-02	-1.093139e+00
##	9096	9097	9098	9099	9100
##	-3.680800e-01	6.019725e-01	-9.911882e-01	6.216959e-03	-1.798129e+00
##	9101	9102	9103	9104	9105
##	-5.927285e-01	-7.469483e-01	7.622707e-01	-1.037329e+00	8.292498e-02
##	9106	9107	9108	9109	9110
##	-1.181326e+00	-1.028688e+00	-4.863570e-01	3.824228e-01	-1.138325e+00
##	9111	9112	9113	9114	9115
##	-7.526499e-01	6.421264e-02	-2.617336e-01	9.836539e-01	4.274580e-01
##	9116	9117	9118	9119	9120
##	-7.149575e-02	1.829418e-01	4.358284e-03	2.401337e-01	-1.201470e+00
##	9121	9122	9123	9124	9125
##	5.763193e-02	-8.243596e-01	-1.690954e+00	-4.105030e-01	-8.364409e-01
##	9126	9127	9128	9129	9130
##	2.571632e-01	-1.105597e+00	-1.705045e+00	5.030106e-01	-1.309901e+00
##	9131	9132	9133	9134	9135
##	-8.622150e-01	-1.519282e+00	-4.549391e-01	1.930476e-01	-2.498084e-01
##	9136	9137	9138	9139	9140
##	-1.333900e-01	-3.921286e-01	-9.481738e-01	-1.644398e+00	-1.907638e-01
##	9141	9142	9143	9144	9145
##	-1.225795e+00	2.461646e-02	6.449869e-01	4.873260e-01	-8.456453e-01
##	9146	9147	9148	9149	9150
##	-8.042379e-02	-1.186737e+00	-8.104560e-01	-4.131266e-01	-1.225203e-01
##	9151	9152	9153	9154	9155
##	-4.734833e-01	-7.876747e-01	1.546871e+00	1.078550e-01	-2.771735e+00
##	9156	9157	9158	9159	9160
##	-1.021139e+00	1.375848e+00	-7.562028e-01	-3.857488e-01	-6.340326e-01
##	9161	9162	9163	9164	9165
##	7.828805e-01	1.015717e+00	-7.162177e-01	-1.054070e+00	-3.889679e+00
##	9166	9167	9168	9169	9170
##	-1.546493e+00	-1.201181e+00	-1.392851e+00	-1.312450e+00	-1.146677e+00
##	9171	9172	9173	9174	9175
##	-1.471342e+00	-1.623452e+00	-2.762895e+00	-2.711832e+00	-7.946588e-01
##	9176	9177	9178	9179	9180
##	-1.721962e+00	-1.586479e+00	-1.879723e+00	1.595296e+00	-1.791059e+00
##	9181	9182	9183	9184	9185
##	-6.461407e-01	1.659245e-01	-1.990942e+00	-1.680895e+00	-2.050822e+00
##	9186	9187	9188	9189	9190
##	-5.284916e-01	-3.124307e+00	-2.538422e+00	-2.818505e+00	-4.358618e+00
##	9191	9192	9193	9194	9195
##	-1.172924e+00	-1.143612e+00	-2.640223e+00	-1.892809e+00	3.685451e-01
##	9196	9197	9198	9199	9200
##	-1.209746e+00	-1.760040e+00	-8.814736e-01	1.409293e+00	8.591649e-02
##	9201	9202	9203	9204	9205
##	-4.571933e-01	1.282641e-01	-3.741055e-01	-1.475044e+00	-9.389775e-02
##	9206	9207	9208	9209	9210
##	4.881940e-01	-4.819338e-01	-4.309710e-01	-9.109361e-01	-5.558036e-01
##	9211	9212	9213	9214	9215
##	-8.660265e-01	-1.164570e+00	-7.606346e-01	-7.694256e-01	-6.424078e-01
##	9216	9217	9218	9219	9220



##	-6.304520e-01	2.927820e-01	-2.334882e+00	-6.207316e-01	2.178824e-01
##	9221	9222	9223	9224	9225
##	5.031890e-01	-1.019443e+00	1.435541e+00	-1.718114e-01	-8.209410e-01
##	9226	9227	9228	9229	9230
##	5.104981e-01	-4.757550e-01	-9.254036e-01	8.229961e-02	3.585640e-01
##	9231	9232	9233	9234	9235
##	-8.531413e-01	-1.270364e+00	-3.030378e+00	-5.397034e-01	2.137883e-01
##	9236	9237	9238	9239	9240
##	3.044113e-01	-5.987038e-01	-7.731932e-01	-2.760479e-01	-1.143697e+00
##	9241	9242	9243	9244	9245
##	-2.215937e-01	-1.614796e+00	-6.422822e-01	6.305082e-01	-7.820345e-01
##	9246	9247	9248	9249	9250
##	-7.721634e-01	-3.065151e-01	-1.871580e-01	-7.069594e-01	-9.591285e-01
##	9251	9252	9253	9254	9255
##	4.923333e-01	7.833086e-01	5.802829e-01	4.887541e-01	-1.420493e+00
##	9256	9257	9258	9259	9260
##	-2.045844e-02	-7.359933e-01	-5.885395e-01	-8.664695e-01	-2.715679e-01
##	9261	9262	9263	9264	9265
##	7.742428e-01	-4.621135e-01	7.602792e-01	-3.075263e+00	7.008132e-02
##	9266	9267	9268	9269	9270
##	-1.827109e+00	-1.997545e+00	-1.165083e-01	-6.626903e-01	-4.975523e-01
##	9271	9272	9273	9274	9275
##	-7.653098e-01	-2.859318e-01	-1.073027e+00	-3.786876e-03	9.363431e-01
##	9276	9277	9278	9279	9280
##	7.459764e-01	-5.681488e-01	1.372605e+00	-7.955240e-01	4.543846e-01
##	9281	9282	9283	9284	9285
##	7.512200e-01	-1.520189e+00	8.869083e-01	-1.074204e+00	5.129452e-01
##	9286	9287	9288	9289	9290
##	-4.973264e-01	-4.645363e-01	-3.422964e-01	1.170255e+00	-5.219980e-01
##	9291	9292	9293	9294	9295
##	1.414857e-01	-7.749852e-01	4.224989e-01	3.445463e-01	1.191104e+00
##	9296	9297	9298	9299	9300
##	7.773730e-01	9.086106e-01	6.789889e-01	-6.044010e-01	5.944192e-01
##	9301	9302	9303	9304	9305
##	-1.462406e+00	-9.984401e-01	1.757652e-01	-1.636690e-01	1.287457e-01
##	9306	9307	9308	9309	9310
##	1.003403e+00	2.292294e+00	1.003428e+00	2.937408e-01	6.108961e-01
##	9311	9312	9313	9314	9315
##	-8.921440e-01	-3.954006e-01	1.017017e+00	-1.188778e+00	6.469895e-01
##	9316	9317	9318	9319	9320
##	6.451811e-01	9.421923e-01	4.610467e-01	-8.974904e-02	-1.034107e+00
##	9321	9322	9323	9324	9325
##	5.656360e-01	-7.225190e-01	-1.034116e+00	-6.026500e-01	4.888012e-01
##	9326	9327	9328	9329	9330
##	6.931837e-01	1.008716e-01	-1.066434e+00	-8.044490e-01	-1.007803e+00
##	9331	9332	9333	9334	9335
##	-9.236362e-02	-3.855176e-01	-1.736203e+00	-5.415793e-01	1.173688e+00
##	9336	9337	9338	9339	9340
##	-3.203563e-01	-3.523867e-01	-4.698516e-02	-8.609030e-01	-5.352162e-01
##	9341	9342	9343	9344	9345
##	-1.895063e+00	-1.387480e+00	-6.082565e-01	-2.272533e-01	-7.881461e-01
##	9346	9347	9348	9349	9350
##	6.034488e-01	-1.285677e-01	3.821660e-01	-1.036514e-01	1.094432e-01
##	9351	9352	9353	9354	9355

##	-4.237454e-01	-3.183786e-01	-4.702374e-01	-8.926338e-01	2.576097e-01
##	9356	9357	9358	9359	9360
##	4.095940e-01	6.684434e-02	3.982913e-01	-4.758975e-02	-1.107964e+00
##	9361	9362	9363	9364	9365
##	-6.146363e-01	-4.236700e-01	-1.711665e-01	2.579362e-01	-5.300164e-01
##	9366	9367	9368	9369	9370
##	-6.948356e-01	3.150277e-01	-1.396695e-01	9.268582e-01	1.061863e+00
##	9371	9372	9373	9374	9375
##	-8.093451e-01	-5.455890e-01	1.057016e+00	7.332546e-01	-2.120071e-01
##	9376	9377	9378	9379	9380
##	-8.027037e-01	-5.627086e-01	6.664783e-01	-1.021073e+00	7.794015e-02
##	9381	9382	9383	9384	9385
##	5.368570e-01	1.144543e+00	5.189736e-01	2.712172e-01	-1.355312e-01
##	9386	9387	9388	9389	9390
##	-3.635956e-01	-1.220181e-01	7.858441e-01	7.045899e-01	-5.834593e-02
##	9391	9392	9393	9394	9395
##	1.635937e+00	7.253995e-02	6.259981e-01	1.253326e+00	1.249558e+00
##	9396	9397	9398	9399	9400
##	1.946687e+00	9.858526e-01	5.315573e-01	1.239838e+00	1.448864e+00
##	9401	9402	9403	9404	9405
##	5.388664e-01	-2.247727e-01	-1.310603e-01	-6.630809e-02	1.452681e+00
##	9406	9407	9408	9409	9410
##	7.302597e-01	1.564604e+00	-3.381770e-01	1.820121e+00	-6.189625e-01
##	9411	9412	9413	9414	9415
##	5.274130e-01	5.168135e-01	6.602831e-01	1.622700e+00	1.166207e-01
##	9416	9417	9418	9419	9420
##	1.555411e+00	1.832504e+00	8.015675e-01	2.927929e-01	-4.397259e-01
##	9421	9422	9423	9424	9425
##	2.318334e-01	-2.226088e+00	-1.374401e-01	-2.081451e-01	-7.041852e-01
##	9426	9427	9428	9429	9430
##	-1.844608e+00	-1.142531e+00	1.578851e+00	-9.497501e-01	2.834071e-01
##	9431	9432	9433	9434	9435
##	5.394445e-01	-1.513303e+00	5.737467e-01	3.332877e-01	3.828734e-01
##	9436	9437	9438	9439	9440
##	-4.597160e-01	-4.117765e-01	9.193482e-01	1.191112e+00	3.475147e-01
##	9441	9442	9443	9444	9445
##	-1.843651e-01	-2.398156e+00	-2.344423e-01	1.516761e+00	-1.128122e-01
##	9446	9447	9448	9449	9450
##	9.085120e-01	-1.457574e+00	-9.548912e-02	2.474340e-01	1.494337e-01
##	9451	9452	9453	9454	9455
##	-2.720982e-01	-9.043718e-01	8.958043e-01	-6.825705e-01	8.928874e-01
##	9456	9457	9458	9459	9460
##	1.002606e-01	-4.636373e-01	-2.893104e-02	-1.017740e+00	6.590542e-01
##	9461	9462	9463	9464	9465
##	8.091742e-01	-3.946055e-01	-1.230377e+00	6.360840e-01	-8.946490e-01
##	9466	9467	9468	9469	9470
##	4.150624e-01	-2.812514e-01	1.131820e+00	-1.381082e+00	-6.711312e-01
##	9471	9472	9473	9474	9475
##	3.222550e-01	1.015645e+00	2.045446e+00	-2.710597e-02	1.221261e+00
##	9476	9477	9478	9479	9480
##	1.227035e+00	-2.332193e-02	4.471777e-01	3.569503e-01	-1.196671e+00
##	9481	9482	9483	9484	9485
##	-3.879419e-01	1.141526e+00	-7.522300e-03	-1.655352e+00	-8.463277e-01
##	9486	9487	9488	9489	9490

##	-1.557882e-01	5.275217e-02	-3.168067e-01	-1.539447e+00	2.242383e-01
##	9491	9492	9493	9494	9495
##	2.321694e-02	6.176809e-01	5.178214e-01	2.438220e-01	-9.890037e-01
##	9496	9497	9498	9499	9500
##	4.066853e-01	1.379812e-01	3.695370e-01	5.885843e-01	2.547512e-01
##	9501	9502	9503	9504	9505
##	-6.879988e-01	-4.801035e-01	-5.331762e-01	-7.682131e-02	1.187706e+00
##	9506	9507	9508	9509	9510
##	7.479782e-01	4.680970e-01	7.867844e-01	1.143776e+00	3.590631e-01
##	9511	9512	9513	9514	9515
##	7.350429e-01	6.452237e-01	-3.079500e-01	-2.299610e-01	-9.015706e-01
##	9516	9517	9518	9519	9520
##	8.323972e-01	9.294604e-02	-1.592445e+00	1.119347e-01	8.682647e-01
##	9521	9522	9523	9524	9525
##	5.111228e-01	8.978127e-02	1.033787e+00	-4.631745e-01	9.118179e-01
##	9526	9527	9528	9529	9530
##	3.728524e-01	-2.308904e-01	-7.305474e-01	1.528195e+00	4.607729e-02
##	9531	9532	9533	9534	9535
##	5.655518e-01	-6.635346e-01	-2.038391e-01	-6.024393e-02	-4.266792e-01
##	9536	9537	9538	9539	9540
##	-2.560830e-01	1.374301e+00	4.741251e-01	4.606372e-01	2.955016e-02
##	9541	9542	9543	9544	9545
##	3.739576e-01	3.503223e-01	2.228021e-01	-2.719068e-01	1.106024e+00
##	9546	9547	9548	9549	9550
##	4.854781e-01	3.841301e-01	-3.535276e-02	-5.273239e-01	-7.067865e-01
##	9551	9552	9553	9554	9555
##	3.835524e-01	1.097861e+00	-2.641958e-01	3.908866e-01	-1.635195e+00
##	9556	9557	9558	9559	9560
##	1.780975e+00	7.959019e-01	1.695536e-01	6.954079e-01	7.373285e-01
##	9561	9562	9563	9564	9565
##	-1.922099e-01	2.418514e-01	-1.161272e+00	3.271244e-01	1.072101e+00
##	9566	9567	9568	9569	9570
##	-7.698673e-02	9.298156e-02	-1.881053e-01	1.164159e-01	-7.162704e-01
##	9571	9572	9573	9574	9575
##	4.651469e-02	-5.439160e-01	6.792679e-01	1.065194e+00	-1.228475e-02
##	9576	9577	9578	9579	9580
##	-1.022575e+00	-4.917224e-01	-5.653912e-01	2.628745e-01	-2.506221e-01
##	9581	9582	9583	9584	9585
##	-1.448940e+00	-4.812988e-01	-2.890515e-01	2.099776e-01	2.808835e-01
##	9586	9587	9588	9589	9590
##	-1.222458e+00	5.304517e-02	9.206194e-01	-3.102755e-01	-4.525144e-01
##	9591	9592	9593	9594	9595
##	6.723858e-01	9.117781e-01	-1.886077e-01	5.107313e-01	-3.831657e-01
##	9596	9597	9598	9599	9600
##	7.698406e-01	-3.982361e-01	1.022796e+00	-1.032923e+00	-8.312899e-04
##	9601	9602	9603	9604	9605
##	7.854133e-01	-1.319432e-01	6.885613e-01	-2.092410e+00	-4.658274e-01
##	9606	9607	9608	9609	9610
##	3.790659e-01	7.287903e-01	-4.033688e-01	2.095745e+00	1.341977e+00
##	9611	9612	9613	9614	9615
##	5.440782e-01	1.942832e+00	1.530834e+00	-1.396941e+00	-7.857684e-01
##	9616	9617	9618	9619	9620
##	-1.394681e+00	-3.418999e-01	-1.489718e+00	-1.267289e+00	-4.337112e-01
##	9621	9622	9623	9624	9625

##	-2.161803e-01	-3.422572e-01	1.624578e-01	-5.525120e-01	-5.069332e-02
##	9626	9627	9628	9629	9630
##	-1.491215e-01	1.903082e+00	5.165636e-01	-1.253989e+00	-4.233780e-01
##	9631	9632	9633	9634	9635
##	1.031781e+00	-2.785234e-02	-3.645566e-01	-4.655985e-01	-1.388548e-01
##	9636	9637	9638	9639	9640
##	-2.258389e-01	-5.828175e-01	-1.551025e-01	-5.232661e-01	-1.560388e+00
##	9641	9642	9643	9644	9645
##	-8.502689e-01	-5.118456e-01	7.761266e-01	1.422572e+00	7.119805e-01
##	9646	9647	9648	9649	9650
##	-2.605837e-01	1.214400e+00	2.113823e+00	1.528208e-01	7.247903e-01
##	9651	9652	9653	9654	9655
##	-1.036781e+00	1.447079e-01	4.675397e-01	5.026536e-01	-1.866080e+00
##	9656	9657	9658	9659	9660
##	-3.774825e-01	-5.494100e-01	1.031820e+00	2.852104e-01	8.793971e-02
##	9661	9662	9663	9664	9665
##	-2.262266e-01	-1.746860e-01	-1.058812e+00	-1.513521e-01	-4.475094e-01
##	9666	9667	9668	9669	9670
##	-4.103861e-01	3.263022e-01	4.353245e-02	3.709606e-01	-3.266453e-01
##	9671	9672	9673	9674	9675
##	-3.406356e-01	1.896394e-01	-9.107213e-01	-1.054769e+00	-6.709271e-01
##	9676	9677	9678	9679	9680
##	1.190600e-01	3.366505e-01	8.968652e-01	-5.401942e-04	3.281690e-01
##	9681	9682	9683	9684	9685
##	1.389849e+00	4.188673e-01	8.145390e-01	6.076986e-01	-1.295158e+00
##	9686	9687	9688	9689	9690
##	1.045140e+00	2.240796e+00	1.347914e-01	9.272008e-02	1.578993e-01
##	9691	9692	9693	9694	9695
##	5.274491e-01	-8.395812e-01	7.137043e-02	-6.886769e-01	-2.099386e+00
##	9696	9697	9698	9699	9700
##	-8.251137e-01	-1.413108e+00	-1.189866e+00	3.294107e-02	3.974172e-01
##	9701	9702	9703	9704	9705
##	1.124360e+00	5.324223e-01	1.850510e-01	-8.001111e-02	8.488742e-01
##	9706	9707	9708	9709	9710
##	5.509588e-01	-1.267328e+00	1.615915e-01	1.288074e+00	-5.070040e-01
##	9711	9712	9713	9714	9715
##	1.498225e-02	4.754313e-01	-2.257811e-01	1.194050e-01	1.139796e-01
##	9716	9717	9718	9719	9720
##	1.926916e+00	-1.902080e+00	2.334121e-01	6.786442e-02	-3.088438e-01
##	9721	9722	9723	9724	9725
##	9.505592e-01	6.423206e-01	-7.758945e-02	-3.082322e-01	-3.887330e-01
##	9726	9727	9728	9729	9730
##	-9.924758e-01	1.102803e+00	3.856312e-01	1.567953e-02	9.302481e-01
##	9731	9732	9733	9734	9735
##	-2.203930e+00	-6.523634e-01	-9.931288e-01	-4.450135e-02	-2.824871e-01
##	9736	9737	9738	9739	9740
##	-7.720398e-02	-7.146039e-01	8.778033e-01	1.045385e+00	-1.049065e+00
##	9741	9742	9743	9744	9745
##	-4.057373e-01	4.494289e-01	-3.083578e-01	-1.616739e+00	-5.848232e-01
##	9746	9747	9748	9749	9750
##	-2.250942e-01	-1.198990e+00	-2.502373e+00	6.297527e-02	-8.286361e-01
##	9751	9752	9753	9754	9755
##	1.082107e+00	1.116668e+00	-5.105515e-01	-1.619904e+00	9.041764e-01
##	9756	9757	9758	9759	9760

##	1.128330e-01	-1.379733e+00	-1.614472e-01	-5.843962e-01	1.275710e+00
##	9761	9762	9763	9764	9765
##	-1.148077e+00	4.810013e-01	-3.452048e-01	-1.567736e+00	-6.551514e-01
##	9766	9767	9768	9769	9770
##	-1.953009e+00	1.693719e-01	-4.866148e-01	-7.504462e-01	-1.637737e+00
##	9771	9772	9773	9774	9775
##	-5.897461e-01	-5.384065e-01	1.077058e+00	3.076422e-01	-4.306091e+00
##	9776	9777	9778	9779	9780
##	-7.355265e-01	-5.429779e-01	-8.486545e-01	-1.856099e-01	2.465571e-01
##	9781	9782	9783	9784	9785
##	-3.003436e+00	-7.400979e-01	-1.626240e-03	-6.871256e-01	3.983405e-01
##	9786	9787	9788	9789	9790
##	-6.107190e-01	3.197893e-01	-2.324883e-01	-6.257738e-01	-1.744172e-01
##	9791	9792	9793	9794	9795
##	-1.169160e+00	6.153187e-01	3.894143e-01	9.672323e-02	6.018056e-01
##	9796	9797	9798	9799	9800
##	1.468572e-01	1.932236e-01	-3.338614e-01	1.115277e+00	3.419679e-01
##	9801	9802	9803	9804	9805
##	1.073633e+00	-2.699883e-01	-3.093721e-01	-1.926272e-01	4.863919e-01
##	9806	9807	9808	9809	9810
##	-7.297089e-01	9.641216e-01	6.623130e-01	1.924199e-01	3.699736e-01
##	9811	9812	9813	9814	9815
##	-2.542147e-01	5.309750e-01	7.254828e-01	-3.774900e-01	1.088297e-01
##	9816	9817	9818	9819	9820
##	5.292670e-01	3.802716e-01	2.774668e-01	-7.191346e-01	2.882672e-01
##	9821	9822	9823	9824	9825
##	-1.312228e+00	2.013114e-01	-4.529673e-01	2.058074e-01	1.086643e+00
##	9826	9827	9828	9829	9830
##	1.780490e-02	-6.456918e-01	-1.633578e+00	-2.496974e-02	-7.286829e-02
##	9831	9832	9833	9834	9835
##	-1.192142e+00	-3.323331e-02	9.136360e-01	4.681530e-02	-1.944357e-01
##	9836	9837	9838	9839	9840
##	1.172595e+00	-7.676611e-01	5.780447e-01	3.830596e-01	3.634431e-01
##	9841	9842	9843	9844	9845
##	-4.712313e-02	-2.358536e+00	-1.269704e+00	5.731217e-01	3.763785e-01
##	9846	9847	9848	9849	9850
##	-2.890020e-01	2.512947e-01	-1.504299e+00	-6.156934e-03	5.296902e-02
##	9851	9852	9853	9854	9855
##	3.032622e-01	5.440360e-01	-4.128802e-01	6.987581e-01	1.318501e+00
##	9856	9857	9858	9859	9860
##	8.303434e-02	-2.574837e-02	1.529318e-02	3.154692e-01	4.114421e-01
##	9861	9862	9863	9864	9865
##	1.697893e-01	-8.216167e-02	-5.174470e-02	5.176880e-01	-7.106469e-01
##	9866	9867	9868	9869	9870
##	-3.619193e-01	-5.573816e-01	1.001117e+00	8.982623e-01	4.479355e-01
##	9871	9872	9873	9874	9875
##	-4.692704e-01	1.042586e+00	1.430471e+00	7.768241e-02	-4.380245e-01
##	9876	9877	9878	9879	9880
##	-2.717485e-01	-8.255080e-01	-2.060669e-01	3.663045e-01	-7.206687e-01
##	9881	9882	9883	9884	9885
##	1.135498e-01	-2.623295e-01	2.432196e-01	-1.588974e-02	-1.908312e-01
##	9886	9887	9888	9889	9890
##	-2.419307e+00	8.409845e-01	-1.647053e+00	-1.657979e+00	-3.959134e-01
##	9891	9892	9893	9894	9895

##	-6.213656e-01	-9.772768e-01	-2.403875e-01	-1.005509e+00	-1.771926e-01
##	9896	9897	9898	9899	9900
##	-7.609923e-01	3.213091e-01	-9.075765e-01	-7.601886e-01	2.817997e-01
##	9901	9902	9903	9904	9905
##	-1.962726e+00	-3.473869e-01	-5.082780e-02	-2.952938e-01	1.105821e+00
##	9906	9907	9908	9909	9910
##	2.934038e-01	1.151468e-01	1.935880e-01	-1.258665e+00	-1.083372e+00
##	9911	9912	9913	9914	9915
##	-3.610758e-01	-7.827105e-03	3.190736e-01	-1.228449e+00	-9.028042e-01
##	9916	9917	9918	9919	9920
##	-5.433767e-01	-1.549020e+00	-1.114969e+00	8.372519e-02	-1.524682e+00
##	9921	9922	9923	9924	9925
##	5.307616e-01	-4.124154e-01	8.241910e-02	-1.629220e+00	-5.737183e-01
##	9926	9927	9928	9929	9930
##	5.709743e-01	-1.075033e+00	-7.696578e-01	-6.823404e-02	5.659257e-01
##	9931	9932	9933	9934	9935
##	-3.421625e-01	-2.971022e-01	-1.654914e+00	1.555605e-01	1.179188e+00
##	9936	9937	9938	9939	9940
##	-6.783818e-01	-1.068377e+00	-1.951775e+00	-1.143980e+00	3.499678e-01
##	9941	9942	9943	9944	9945
##	-6.991035e-01	6.618233e-01	-6.119133e-03	-4.652118e-01	1.301383e+00
##	9946	9947	9948	9949	9950
##	-9.348287e-01	-1.044516e+00	4.465687e-01	-1.378449e+00	-7.697080e-01
##	9951	9952	9953	9954	9955
##	1.389645e+00	-1.688034e-01	7.702293e-01	1.449575e+00	-6.552138e-02
##	9956	9957	9958	9959	9960
##	9.005626e-01	-3.826264e-01	-8.386799e-01	-6.218525e-01	-2.748328e-01
##	9961	9962	9963	9964	9965
##	3.268001e-01	-1.668539e-01	-6.083394e-01	6.942401e-01	8.029474e-01
##	9966	9967	9968	9969	9970
##	-8.505699e-01	-3.047726e-01	-6.470199e-01	-6.977316e-01	-1.350076e+00
##	9971	9972	9973	9974	9975
##	-1.961668e-02	4.097372e-01	-5.503940e-01	-1.051408e-01	-7.118726e-01
##	9976	9977	9978	9979	9980
##	-5.751858e-02	2.102562e-01	-2.928681e-02	-2.481594e-02	-1.676576e-01
##	9981	9982	9983	9984	9985
##	-1.081473e+00	-2.128686e-01	-4.227242e-02	-1.234688e+00	-3.795003e-01
##	9986	9987	9988	9989	9990
##	-2.843077e+00	-3.539514e-01	-5.396697e-01	-1.252685e+00	-1.470216e+00
##	9991	9992	9993	9994	9995
##	-4.388162e-01	-1.286899e+00	5.898285e-01	3.001256e-02	-1.045844e-01
##	9996	9997	9998	9999	10000
##	-8.708639e-01	-9.887187e-01	1.363596e+00	-5.244346e-01	-5.152040e-01
##	10001	10002	10003	10004	10005
##	-1.428443e+00	-1.448411e+00	-3.288734e-01	-1.833482e+00	-7.194909e-01
##	10006	10007	10008	10009	10010
##	-6.304111e-01	-6.763992e-01	-1.252298e+00	1.657265e-01	-2.646729e-01
##	10011	10012	10013	10014	10015
##	2.213455e-01	9.984090e-02	-1.075175e-01	-1.507042e-02	-1.750914e+00
##	10016	10017	10018	10019	10020
##	4.937183e-01	4.113966e-01	6.315405e-02	-2.225237e-02	-9.212215e-01
##	10021	10022	10023	10024	10025
##	-4.740840e-01	-1.516259e-01	-7.138908e-01	-9.386743e-01	-5.171522e-01
##	10026	10027	10028	10029	10030

##	6.481145e-01	4.869796e-01	-1.127736e+00	-7.403816e-01	9.164136e-01
##	10031	10032	10033	10034	10035
##	1.194753e-01	-1.088506e+00	-1.011718e+00	-2.833736e-01	6.787967e-01
##	10036	10037	10038	10039	10040
##	4.247531e-02	-1.977845e+00	-1.472133e-02	-3.586311e-01	-1.082737e+00
##	10041	10042	10043	10044	10045
##	-6.938990e-01	-1.040131e-01	1.498986e-01	-2.289027e-01	8.246394e-01
##	10046	10047	10048	10049	10050
##	-4.938141e-01	6.408064e-01	-1.491807e-01	1.068754e+00	1.997463e+00
##	10051	10052	10053	10054	10055
##	8.355654e-01	-1.460225e+00	-1.334211e+00	-1.154221e+00	9.167192e-01
##	10056	10057	10058	10059	10060
##	1.314149e+00	-2.864307e-02	5.464566e-02	-8.025802e-01	-1.744079e-02
##	10061	10062	10063	10064	10065
##	-1.324617e+00	5.584470e-01	8.745976e-01	-6.852577e-01	-1.505134e+00
##	10066	10067	10068	10069	10070
##	1.342506e+00	-9.299341e-02	1.564970e+00	5.986346e-01	2.353641e-01
##	10071	10072	10073	10074	10075
##	4.681506e-01	-1.205536e+00	-4.735016e-01	1.875838e-01	1.263480e+00
##	10076	10077	10078	10079	10080
##	-1.028969e+00	1.064376e+00	-4.924400e-01	5.713499e-01	-6.881286e-02
##	10081	10082	10083	10084	10085
##	-1.098268e+00	1.024590e+00	-1.248845e+00	1.339585e-01	1.046744e+00
##	10086	10087	10088	10089	10090
##	1.549314e-01	-1.867131e-01	-1.137049e+00	-6.777550e-01	1.051642e+00
##	10091	10092	10093	10094	10095
##	-4.456969e-01	1.746482e-02	-4.593355e-01	4.941145e-01	-7.200566e-04
##	10096	10097	10098	10099	10100
##	6.852315e-01	9.164355e-01	-3.389992e-02	8.425407e-01	3.956047e-01
##	10101	10102	10103	10104	10105
##	9.907825e-01	-5.287093e-01	6.470281e-01	-1.560726e+00	-6.832054e-01
##	10106	10107	10108	10109	10110
##	5.211657e-01	3.258541e-01	-6.162934e-02	2.523360e-01	1.512442e+00
##	10111	10112	10113	10114	10115
##	-3.175990e-01	3.180176e-01	1.089920e-01	-2.345363e-01	1.472958e-01
##	10116	10117	10118	10119	10120
##	-1.084378e+00	-5.480998e-01	5.964313e-01	-7.044905e-01	2.965567e-01
##	10121	10122	10123	10124	10125
##	-8.216372e-01	-1.003888e+00	1.223031e+00	-5.412787e-01	-1.586178e-01
##	10126	10127	10128	10129	10130
##	-5.453477e-01	1.063609e+00	-1.405858e-01	7.780768e-01	1.572886e+00
##	10131	10132	10133	10134	10135
##	1.032313e+00	1.090334e+00	1.038969e+00	1.333645e+00	5.959016e-01
##	10136	10137	10138	10139	10140
##	1.696086e+00	1.776562e+00	9.272229e-01	3.669078e-01	1.291800e+00
##	10141	10142	10143	10144	10145
##	-1.667493e-01	-5.006075e-01	-1.226183e-01	-2.450056e+00	-1.280523e+00
##	10146	10147	10148	10149	10150
##	-3.158703e-01	-6.663059e-01	-1.555406e+00	3.591803e-01	4.280374e-02
##	10151	10152	10153	10154	10155
##	-1.391943e+00	-1.621765e+00	1.571539e+00	7.289418e-02	5.474340e-01
##	10156	10157	10158	10159	10160
##	1.777123e+00	5.968144e-01	6.830419e-01	1.280014e-01	6.839819e-02
##	10161	10162	10163	10164	10165

##	6.108047e-01	7.990584e-01	-2.727275e+00	-7.280691e-01	-9.818787e-01
##	10166	10167	10168	10169	10170
##	-3.280521e-01	-2.787615e-02	7.707010e-01	4.358130e-01	-1.775784e+00
##	10171	10172	10173	10174	10175
##	8.628166e-02	-1.815433e-01	4.364409e-01	4.822045e-01	3.681723e-01
##	10176	10177	10178	10179	10180
##	4.147899e-01	5.521165e-02	-1.007775e+00	-7.367597e-01	-1.044019e+00
##	10181	10182	10183	10184	10185
##	-1.111258e+00	1.767539e-01	-3.994353e-01	-1.716985e+00	1.349193e-02
##	10186	10187	10188	10189	10190
##	-1.206075e+00	-7.703163e-01	3.531020e-01	-1.462371e+00	-1.025532e+00
##	10191	10192	10193	10194	10195
##	-2.427978e+00	-1.957532e+00	-7.595661e-01	1.625038e+00	-1.379685e+00
##	10196	10197	10198	10199	10200
##	-1.409575e+00	-3.801955e-01	-1.624227e+00	9.745661e-02	-8.321069e-01
##	10201	10202	10203	10204	10205
##	8.578807e-01	-1.432886e+00	1.516847e-01	7.394781e-01	-3.727220e-02
##	10206	10207	10208	10209	10210
##	-4.929490e-01	1.423370e+00	3.326795e-01	-1.445897e+00	4.406333e-01
##	10211	10212	10213	10214	10215
##	-1.230727e-01	-4.086397e-02	-1.627579e-01	5.113634e-01	-1.219741e+00
##	10216	10217	10218	10219	10220
##	-6.229055e-01	1.274827e+00	-5.948747e-01	5.026477e-01	-1.656756e+00
##	10221	10222	10223	10224	10225
##	2.691329e-01	-1.184326e+00	1.140023e+00	1.587585e-02	-1.066928e+00
##	10226	10227	10228	10229	10230
##	-6.962478e-01	1.603501e-01	-4.435434e-01	5.260068e-01	-7.351293e-01
##	10231	10232	10233	10234	10235
##	1.154842e+00	-8.238182e-01	1.101141e+00	-1.846601e-01	4.943339e-01
##	10236	10237	10238	10239	10240
##	-3.575922e-01	-1.107417e+00	5.342954e-01	1.369016e+00	-3.842760e-02
##	10241	10242	10243	10244	10245
##	2.463251e-03	-2.640557e-01	-6.144719e-01	-7.594486e-01	-4.286798e-01
##	10246	10247	10248	10249	10250
##	-1.080447e+00	-1.062789e+00	-8.176703e-01	-3.284620e-01	-9.079416e-01
##	10251	10252	10253	10254	10255
##	-3.685743e-01	-1.584650e+00	4.301787e-01	-2.119432e-01	1.319027e+00
##	10256	10257	10258	10259	10260
##	2.203494e-01	-9.125381e-01	-1.199528e+00	-5.857378e-01	-6.207764e-01
##	10261	10262	10263	10264	10265
##	-9.431924e-02	-1.051135e+00	-2.337199e-01	-1.382908e+00	-4.574893e-01
##	10266	10267	10268	10269	10270
##	-9.135930e-01	-7.651502e-01	-5.559488e-01	-7.808987e-01	-1.390469e+00
##	10271	10272	10273	10274	10275
##	-1.476345e+00	-1.001478e+00	-7.534204e-01	-1.150649e+00	-3.812836e-01
##	10276	10277	10278	10279	10280
##	2.845741e-01	-6.640533e-01	-1.614576e-01	-1.193876e+00	-6.306977e-01
##	10281	10282	10283	10284	10285
##	-7.541237e-01	-1.700390e+00	-1.510002e+00	-1.120634e-02	-8.847082e-01
##	10286	10287	10288	10289	10290
##	-1.194780e+00	-8.439178e-01	-5.315851e-01	-8.863910e-01	5.194202e-01
##	10291	10292	10293	10294	10295
##	-3.009587e-01	-6.668162e-01	-5.728024e-01	8.554385e-01	-6.965299e-01
##	10296	10297	10298	10299	10300



##	3.244854e-01	-1.132439e+00	-9.802541e-01	1.405230e+00	-2.142479e+00
##	10301	10302	10303	10304	10305
##	8.187171e-01	-2.975679e-01	-1.371304e+00	-7.649995e-01	-2.666737e-01
##	10306	10307	10308	10309	10310
##	-4.156188e-01	-2.132306e+00	-5.310576e-01	-4.614829e-01	-5.905485e-01
##	10311	10312	10313	10314	10315
##	-1.774499e+00	-1.445921e-01	3.861300e-02	-2.071988e+00	-1.089201e+00
##	10316	10317	10318	10319	10320
##	-1.424667e+00	-5.714343e-01	-9.411599e-01	-8.456691e-03	5.225165e-02
##	10321	10322	10323	10324	10325
##	-1.196024e+00	-4.006371e-01	-8.935376e-01	-1.644844e+00	-7.608957e-01
##	10326	10327	10328	10329	10330
##	2.168175e-01	-2.638509e-01	5.624307e-02	-6.534191e-01	-7.691844e-01
##	10331	10332	10333	10334	10335
##	-8.846232e-01	-6.353849e-01	8.138542e-02	-1.815217e+00	-7.321112e-02
##	10336	10337	10338	10339	10340
##	2.544180e-01	3.899003e-01	-1.629977e+00	-7.070695e-01	-2.091029e+00
##	10341	10342	10343	10344	10345
##	-1.432631e-01	-1.116129e+00	-9.081831e-01	9.587051e-01	-4.982951e-01
##	10346	10347	10348	10349	10350
##	7.101952e-01	1.929561e-01	-6.294824e-01	8.504392e-01	2.258310e+00
##	10351	10352	10353	10354	10355
##	1.620182e+00	8.678203e-01	-1.649353e+00	-6.862328e-01	1.443939e-01
##	10356	10357	10358	10359	10360
##	-3.364754e-01	-3.058826e-01	7.227935e-01	3.239821e-01	3.922256e-01
##	10361	10362	10363	10364	10365
##	8.092218e-01	-4.249383e-01	6.138600e-01	-6.849972e-02	-8.249051e-01
##	10366	10367	10368	10369	10370
##	9.616081e-01	1.499720e+00	6.689672e-01	1.048438e+00	-5.001000e-01
##	10371	10372	10373	10374	10375
##	1.503969e-01	2.375930e-01	1.294283e+00	-8.346851e-01	3.675717e-02
##	10376	10377	10378	10379	10380
##	-1.045010e+00	-3.338318e-01	-5.133366e-02	-7.500322e-01	-1.652416e+00
##	10381	10382	10383	10384	10385
##	-1.189474e+00	-7.456523e-01	-2.430139e+00	-1.205630e-01	-6.929533e-01
##	10386	10387	10388	10389	10390
##	-2.571850e-01	6.085823e-01	1.333486e-01	-1.705162e+00	-8.666860e-01
##	10391	10392	10393	10394	10395
##	1.774688e+00	-4.235465e-01	8.851365e-01	1.100115e+00	-1.868289e+00
##	10396	10397	10398	10399	10400
##	6.847764e-01	1.336141e+00	1.245594e+00	4.470669e-01	1.084994e+00
##	10401	10402	10403	10404	10405
##	1.245945e+00	-7.880226e-01	7.687935e-01	9.148036e-03	5.610489e-01
##	10406	10407	10408	10409	10410
##	8.761948e-01	8.467323e-01	1.367940e+00	2.595417e-01	-2.012088e-01
##	10411	10412	10413	10414	10415
##	-1.897804e-01	1.312129e+00	-1.423467e-01	-1.351883e-01	-4.961480e-01
##	10416	10417	10418	10419	10420
##	-8.113599e-02	6.737121e-01	-1.218092e+00	-6.578527e-01	7.564231e-01
##	10421	10422	10423	10424	10425
##	6.964683e-01	-4.094842e-02	-7.713574e-01	7.291207e-01	9.825284e-01
##	10426	10427	10428	10429	10430
##	-4.151345e-01	1.534693e-01	4.499782e-01	4.152160e-01	-5.501898e-01
##	10431	10432	10433	10434	10435

##	5.260081e-01	-2.044261e-01	-8.732727e-01	3.858037e-01	1.311298e+00
##	10436	10437	10438	10439	10440
##	9.574993e-02	3.972823e-01	-3.382985e-02	-8.474247e-02	-4.363586e-01
##	10441	10442	10443	10444	10445
##	-1.785530e+00	1.014463e+00	7.814276e-02	2.832249e-01	1.301605e-01
##	10446	10447	10448	10449	10450
##	-6.862750e-01	-8.943939e-02	4.414132e-01	-1.754862e+00	9.195965e-03
##	10451	10452	10453	10454	10455
##	1.019712e+00	-8.770630e-02	6.244449e-02	2.329402e-01	1.327675e+00
##	10456	10457	10458	10459	10460
##	-6.191091e-02	3.045997e-01	-1.380161e-01	-7.359042e-02	-5.415997e-01
##	10461	10462	10463	10464	10465
##	4.103432e-01	7.978267e-01	-3.573900e-01	-1.692270e+00	-3.542503e-01
##	10466	10467	10468	10469	10470
##	2.805900e-02	-5.928640e-01	1.730859e-01	3.370511e-01	2.909862e-01
##	10471	10472	10473	10474	10475
##	-1.044070e+00	1.254636e-01	-4.687762e-01	-8.622220e-01	-2.709931e-02
##	10476	10477	10478	10479	10480
##	6.536781e-01	-1.255207e+00	-6.846924e-01	-1.618300e+00	-1.813769e+00
##	10481	10482	10483	10484	10485
##	-1.483939e-01	-1.117074e+00	-2.076781e+00	-8.192294e-01	-1.114060e+00
##	10486	10487	10488	10489	10490
##	-1.587782e+00	-2.860061e+00	-7.649077e-01	-6.564012e-01	-1.336587e+00
##	10491	10492	10493	10494	10495
##	-2.260125e+00	-7.177959e-03	-1.251200e+00	-1.240925e+00	-1.804384e+00
##	10496	10497	10498	10499	10500
##	-1.219073e+00	-1.377174e+00	-2.607873e+00	-2.430146e+00	-1.444751e+00
##	10501	10502	10503	10504	10505
##	-1.009424e+00	-2.132306e-01	-1.764516e+00	-8.006655e-01	-4.577125e-01
##	10506	10507	10508	10509	10510
##	-1.551511e+00	-3.439379e+00	-8.681395e-01	-1.097859e+00	-2.656029e+00
##	10511	10512	10513	10514	10515
##	-1.857267e+00	-1.085906e+00	-9.721933e-01	-5.860502e-01	-5.561835e-01
##	10516	10517	10518	10519	10520
##	-6.116186e-03	-1.664230e+00	-2.110963e+00	-7.479878e-01	-9.041028e-01
##	10521	10522	10523	10524	10525
##	-1.654297e+00	-1.835381e+00	-2.664729e+00	-1.380839e+00	-1.626486e+00
##	10526	10527	10528	10529	10530
##	-1.980365e+00	-7.420624e-01	-9.269138e-01	-1.311447e+00	-7.960416e-01
##	10531	10532	10533	10534	10535
##	-8.039193e-01	-6.408171e-01	-1.310180e+00	-2.218750e+00	-9.320514e-01
##	10536	10537	10538	10539	10540
##	-3.123523e-01	-2.622977e+00	-2.128499e+00	-1.415193e+00	-9.565407e-01
##	10541	10542	10543	10544	10545
##	-1.439100e+00	-9.332844e-01	-2.695041e+00	-1.105634e+00	-7.668257e-01
##	10546	10547	10548	10549	10550
##	-4.748379e-01	-7.773064e-01	-1.076042e+00	-7.976514e-01	-1.271922e+00
##	10551	10552	10553	10554	10555
##	-1.417864e+00	-1.128206e+00	-8.151878e-01	-1.731572e-01	-1.456362e+00
##	10556	10557	10558	10559	10560
##	-6.876084e-02	-1.084947e+00	-3.346838e-01	-9.448269e-01	-1.145913e+00
##	10561	10562	10563	10564	10565
##	-1.133720e+00	-2.956511e+00	-1.159339e+00	-1.089023e+00	-2.478131e+00
##	10566	10567	10568	10569	10570

##	-2.186143e+00	-1.800103e+00	-5.206997e-01	-8.257713e-01	-8.603645e-01
##	10571	10572	10573	10574	10575
##	-1.576480e+00	-1.293847e-01	-1.379161e+00	-2.640377e+00	-1.198762e+00
##	10576	10577	10578	10579	10580
##	-2.397094e+00	-1.063369e+00	-8.995817e-01	-1.121390e+00	-1.222977e+00
##	10581	10582	10583	10584	10585
##	-7.909725e-01	-1.476741e+00	-1.572678e+00	-2.184807e+00	-1.644810e+00
##	10586	10587	10588	10589	10590
##	-4.727829e-01	-1.525138e+00	-6.300671e-02	-1.585248e+00	-2.521629e+00
##	10591	10592	10593	10594	10595
##	-8.167291e-01	-3.190376e+00	-1.111560e+00	-5.690960e-01	-5.396919e-03
##	10596	10597	10598	10599	10600
##	-3.857174e-01	-4.895315e-01	-2.513101e+00	-2.034960e+00	-1.931318e+00
##	10601	10602	10603	10604	10605
##	-1.135056e+00	-1.757666e+00	-1.241165e+00	-1.034393e+00	-1.606517e+00
##	10606	10607	10608	10609	10610
##	-3.942459e-01	-9.378398e-01	-2.275777e+00	-1.139680e+00	-1.190131e+00
##	10611	10612	10613	10614	10615
##	-3.783193e-01	-1.472528e+00	-4.086210e-01	-7.052668e-01	-1.687545e+00
##	10616	10617	10618	10619	10620
##	-5.963837e-01	-1.433678e+00	-1.392782e+00	-2.423677e-01	-1.049795e+00
##	10621	10622	10623	10624	10625
##	-9.456730e-01	-1.094561e+00	-6.818736e-01	-1.228345e+00	-2.105096e+00
##	10626	10627	10628	10629	10630
##	-1.379185e+00	-1.743408e+00	-4.739029e-01	-1.770294e+00	-6.976974e-01
##	10631	10632	10633	10634	10635
##	-9.359800e-01	-3.260766e-01	-8.795005e-01	-1.275060e-02	-2.004090e+00
##	10636	10637	10638	10639	10640
##	-7.016705e-01	-1.060858e+00	-9.209097e-01	-6.205990e-01	-2.175584e+00
##	10641	10642	10643	10644	10645
##	-1.461729e+00	-2.067469e-01	-9.872534e-01	-3.560460e-01	-1.631373e+00
##	10646	10647	10648	10649	10650
##	-1.103432e+00	-1.026573e+00	-1.393981e+00	-9.833488e-01	-6.782430e-01
##	10651	10652	10653	10654	10655
##	-6.416974e-01	-3.999213e-01	-2.177331e+00	-1.414497e+00	-9.663947e-01
##	10656	10657	10658	10659	10660
##	-8.025048e-01	-9.971861e-01	7.407509e-02	-1.820643e+00	-2.670542e+00
##	10661	10662	10663	10664	10665
##	-1.442891e+00	-9.507078e-01	-2.524770e+00	-3.229598e-01	-1.186422e+00
##	10666	10667	10668	10669	10670
##	-8.608338e-01	-2.757093e+00	-6.627959e-01	-2.005083e+00	-1.470086e+00
##	10671	10672	10673	10674	10675
##	-2.734143e-02	-4.513317e-01	-9.870479e-01	-1.782659e+00	-9.944118e-01
##	10676	10677	10678	10679	10680
##	-8.874124e-01	-6.582405e-01	-1.318664e+00	-9.565647e-01	-7.529782e-01
##	10681	10682	10683	10684	10685
##	-7.366748e-01	-8.961806e-01	-5.925476e-01	-1.536499e+00	-2.950778e+00
##	10686	10687	10688	10689	10690
##	-6.886072e-01	-1.381432e+00	-1.635976e+00	-7.129935e-01	1.604079e-01
##	10691	10692	10693	10694	10695
##	-6.440844e-01	-1.198145e+00	-3.178869e-01	-3.799390e-01	-4.678744e-01
##	10696	10697	10698	10699	10700
##	-1.089978e+00	-2.063587e+00	-2.117737e+00	-1.713236e+00	-2.212783e+00
##	10701	10702	10703	10704	10705

##	-1.977891e+00	-6.542285e+00	-4.827178e+00	-4.552727e+00	-2.003442e+00
##	10706	10707	10708	10709	10710
##	-1.472316e+00	-2.589747e+00	-2.983288e+00	-1.515746e+00	-2.723120e+00
##	10711	10712	10713	10714	10715
##	-3.431049e+00	-2.976781e+00	-1.738376e+00	-1.657749e+00	-1.794410e+00
##	10716	10717	10718	10719	10720
##	-1.596304e+00	-2.712125e+00	-2.421405e+00	-2.232649e+00	-1.579486e+00
##	10721	10722	10723	10724	10725
##	-2.557928e+00	-3.185334e+00	-2.245116e+00	-4.459805e+00	-4.553138e+00
##	10726	10727	10728	10729	10730
##	-2.031271e+00	2.377941e-01	-1.992540e+00	-1.798397e+00	-2.149423e+00
##	10731	10732	10733	10734	10735
##	-1.661558e+00	-3.402664e-01	-5.664344e-01	-4.491119e-01	-1.788526e+00
##	10736	10737	10738	10739	10740
##	-1.259821e+00	-9.474502e-01	-1.097136e+00	-4.017655e+00	-2.157184e+00
##	10741	10742	10743	10744	10745
##	-5.511757e-01	-9.089302e-01	-1.422109e+00	-1.857128e+00	-1.576067e+00
##	10746	10747	10748	10749	10750
##	-2.109180e+00	-4.375998e+00	-3.859120e+00	-2.294100e+00	-1.664988e+00
##	10751	10752	10753	10754	10755
##	-1.206473e+00	-1.655117e+00	-1.358043e+00	-1.048423e+00	-4.766765e+00
##	10756	10757	10758	10759	10760
##	-1.790750e+00	-7.077583e-01	-8.635856e-01	-1.007131e+00	-2.165248e+00
##	10761	10762	10763	10764	10765
##	-1.429576e+00	-1.806917e+00	-2.126100e+00	-1.083780e+00	-3.980162e+00
##	10766	10767	10768	10769	10770
##	-1.795888e+00	-2.236113e+00	-2.387227e+00	-2.355580e+00	-2.071624e+00
##	10771	10772	10773	10774	10775
##	-1.163372e+00	-2.375781e+00	-1.589750e+00	-1.458449e+00	-2.061112e+00
##	10776	10777	10778	10779	10780
##	-5.190023e-01	-1.420736e+00	-1.318484e+00	-1.215553e+00	-1.795374e+00
##	10781	10782	10783	10784	10785
##	-1.731462e+00	-1.527122e+00	-2.458606e+00	-1.921794e+00	-1.667311e+00
##	10786	10787	10788	10789	10790
##	-9.752742e-01	-1.408067e+00	-5.501880e-01	-1.192698e+00	-1.744409e+00
##	10791	10792	10793	10794	10795
##	-1.614770e+00	-3.856473e-01	-1.342956e+00	3.267544e+00	2.693976e+00
##	10796	10797	10798	10799	10800
##	1.620874e+00	8.772470e-01	1.073397e+00	-8.136449e-01	-5.300400e-01
##	10801	10802	10803	10804	10805
##	2.623946e+00	2.533100e+00	2.033001e+00	-1.254662e+00	4.546496e-01
##	10806	10807	10808	10809	10810
##	1.478888e+00	9.981027e-01	8.157935e-01	1.450924e+00	1.102842e+00
##	10811	10812	10813	10814	10815
##	-1.547781e-01	1.457120e+00	1.075966e+00	-7.035895e-01	4.357698e-01
##	10816	10817	10818	10819	10820
##	1.410695e+00	4.931208e-01	-2.480886e-01	1.289253e+00	6.491407e-01
##	10821	10822	10823	10824	10825
##	-1.715605e+00	-2.411561e+00	8.864985e-01	-1.563270e-01	-7.674292e-01
##	10826	10827	10828	10829	10830
##	6.186232e-01	-1.100107e+00	5.650817e-01	-1.381001e+00	-2.822480e-01
##	10831	10832	10833	10834	10835
##	-9.016389e-01	9.666224e-01	8.615906e-01	1.561943e+00	-1.488335e+00
##	10836	10837	10838	10839	10840

##	1.135285e+00	7.466792e-01	1.414253e+00	7.441675e-01	9.104017e-01
##	10841	10842	10843	10844	10845
##	1.263382e+00	9.530173e-01	2.506727e+00	5.990580e-01	1.685441e+00
##	10846	10847	10848	10849	10850
##	2.547653e+00	2.226836e+00	-2.187973e-01	1.774632e+00	2.974183e+00
##	10851	10852	10853	10854	10855
##	1.806703e+00	2.409799e+00	2.404148e+00	1.748965e+00	2.095253e+00
##	10856	10857	10858	10859	10860
##	1.101411e+00	1.880265e+00	6.754859e-01	2.595306e+00	2.347069e+00
##	10861	10862	10863	10864	10865
##	1.345975e+00	1.586252e+00	2.509216e+00	3.551464e-02	2.104248e+00
##	10866	10867	10868	10869	10870
##	1.950154e+00	-5.702449e-01	1.079120e+00	9.916700e-01	4.450354e-01
##	10871	10872	10873	10874	10875
##	1.110391e+00	1.648988e+00	-1.257826e+00	1.923020e+00	4.602766e-01
##	10876	10877	10878	10879	10880
##	2.631159e+00	-4.797054e-02	3.056896e+00	-2.538134e+00	-5.075740e-01
##	10881	10882	10883	10884	10885
##	7.977265e-01	-1.030724e+00	3.391316e+00	-1.831215e+00	-7.624458e-01
##	10886	10887	10888	10889	10890
##	1.014613e-01	1.448356e-01	2.114011e+00	-1.144856e+00	-2.884837e-01
##	10891	10892	10893	10894	10895
##	3.033537e+00	-3.549345e-01	-1.673730e+00	1.697958e-01	-7.660418e-02
##	10896	10897	10898	10899	10900
##	8.546956e-01	2.409295e+00	2.350897e+00	-2.899843e+00	1.400807e+00
##	10901	10902	10903	10904	10905
##	6.555787e-01	3.939200e-01	-4.938170e-01	-4.934403e-01	2.426390e+00
##	10906	10907	10908	10909	10910
##	2.045864e+00	1.609908e+00	-1.109299e+00	1.062619e+00	2.007247e+00
##	10911	10912	10913	10914	10915
##	1.273698e+00	-4.899553e-01	-6.492770e-01	-3.346418e-01	1.434155e+00
##	10916	10917	10918	10919	10920
##	5.270768e-02	-3.841646e-01	-4.128306e+00	-1.642633e-01	-7.791749e-01
##	10921	10922	10923	10924	10925
##	-1.276036e+00	-2.356976e+00	-1.850654e+00	-1.360408e+00	-1.331607e+00
##	10926	10927	10928	10929	10930
##	-5.232508e-01	5.355660e-01	-2.716599e-01	-1.364455e-01	-2.094124e+00
##	10931	10932	10933	10934	10935
##	-4.222795e-01	5.880610e-01	-1.438899e+00	-8.451127e-01	-4.982019e-01
##	10936	10937	10938	10939	10940
##	-1.109346e+00	-1.246360e+00	-1.166530e+00	1.464542e+00	3.028283e-01
##	10941	10942	10943	10944	10945
##	-1.723839e+00	-5.347475e-01	-3.069761e-01	1.321683e+00	4.946036e-01
##	10946	10947	10948	10949	10950
##	4.035694e-01	-2.655709e+00	8.280819e-01	1.304728e+00	8.430110e-01
##	10951	10952	10953	10954	10955
##	1.262861e+00	1.774028e+00	1.476562e-01	2.125528e-01	2.829882e-01
##	10956	10957	10958	10959	10960
##	-7.121146e-01	1.944618e+00	-3.169369e-01	2.123250e-01	7.235443e-01
##	10961	10962	10963	10964	10965
##	-8.882701e-01	-4.446998e-01	-7.898524e-01	7.398705e-01	1.500698e+00
##	10966	10967	10968	10969	10970
##	1.046421e+00	9.276951e-01	1.631197e+00	1.080424e+00	1.143578e+00
##	10971	10972	10973	10974	10975

##	8.332700e-01	1.078728e+00	9.579299e-01	1.340010e+00	6.484229e-01
##	10976	10977	10978	10979	10980
##	1.821931e+00	3.248345e-01	-1.749065e+00	-3.885480e-01	-7.156999e-01
##	10981	10982	10983	10984	10985
##	5.388219e-01	-1.098014e+00	-9.323655e-01	-1.671272e+00	-3.593160e-02
##	10986	10987	10988	10989	10990
##	6.261585e-01	2.976671e-01	-3.037231e-01	6.014167e-03	-1.937892e+00
##	10991	10992	10993	10994	10995
##	-3.386779e-01	4.383235e-01	9.258071e-01	-1.034969e-01	-4.762785e-01
##	10996	10997	10998	10999	11000
##	-2.627820e-01	4.927442e-01	-9.120205e-01	-7.570472e-01	-9.185092e-01
##	11001	11002	11003	11004	11005
##	-3.031789e-01	-3.261193e-01	1.244335e+00	-2.832526e-01	-9.890467e-01
##	11006	11007	11008	11009	11010
##	-2.982392e-01	-1.503531e+00	-1.888327e+00	-2.451163e-01	-1.067078e+00
##	11011	11012	11013	11014	11015
##	-2.000308e-01	-2.583028e-01	-2.467070e-01	-3.927260e+00	-1.156118e+00
##	11016	11017	11018	11019	11020
##	1.143113e-01	-2.704428e-01	-7.986581e-01	-4.376565e+00	-5.345923e-01
##	11021	11022	11023	11024	11025
##	-1.217069e+00	-4.884603e-01	-1.677301e+00	-1.631252e+00	-7.284555e-01
##	11026	11027	11028	11029	11030
##	-1.842405e+00	-2.495076e+00	-4.140327e+00	1.084606e+00	1.072172e+00
##	11031	11032	11033	11034	11035
##	1.843067e+00	2.611372e+00	1.165938e+00	1.374097e+00	1.629728e+00
##	11036	11037	11038	11039	11040
##	7.280979e-01	2.738198e+00	1.633307e+00	2.744509e+00	3.234122e-01
##	11041	11042	11043	11044	11045
##	3.161596e-01	-1.480743e+00	1.801765e+00	1.713839e+00	5.414612e-01
##	11046	11047	11048	11049	11050
##	2.630963e+00	1.295355e+00	-3.410955e-01	6.843468e-01	1.051262e+00
##	11051	11052	11053	11054	11055
##	-2.636611e+00	4.135831e-01	-1.496708e-01	-1.607056e+00	-1.819422e+00
##	11056	11057	11058	11059	11060
##	-5.478626e-01	-2.991560e+00	-3.661059e+00	-3.765924e+00	-3.690279e+00
##	11061	11062	11063	11064	11065
##	-2.496373e+00	-2.022872e+00	5.765624e-02	1.272184e+00	-4.110312e-01
##	11066	11067	11068	11069	11070
##	2.895510e-01	9.214220e-01	-2.536467e+00	3.242725e+00	-7.923579e-01
##	11071	11072	11073	11074	11075
##	1.262483e+00	1.132360e+00	-2.037189e+00	-4.114174e+00	4.663711e-01
##	11076	11077	11078	11079	11080
##	-1.030365e+00	-9.035620e-01	1.170766e-01	-8.155261e-01	5.898247e-01
##	11081	11082	11083	11084	11085
##	-1.413378e-01	-6.716462e-01	-1.546772e+00	6.756000e-01	-2.508804e+00
##	11086	11087	11088	11089	11090
##	-1.307698e+00	1.644023e-02	-1.049178e-01	-3.911070e-02	-8.362060e-01
##	11091	11092	11093	11094	11095
##	-2.192829e+00	-1.745366e+00	-2.369926e-01	-7.010334e-01	-5.247105e-01
##	11096	11097	11098	11099	11100
##	1.385518e-01	6.476362e-01	-1.499301e+00	1.316027e-01	-1.367603e+00
##	11101	11102	11103	11104	11105
##	-2.506627e+00	-2.731133e+00	-1.385017e+00	-1.862621e+00	-1.584061e+00
##	11106	11107	11108	11109	11110

##	3.589293e-01	1.104346e+00	-3.744672e-01	1.192989e+00	-1.329785e+00
##	11111	11112	11113	11114	11115
##	2.332919e+00	1.704667e-01	3.472135e-01	1.916601e+00	-5.285143e-01
##	11116	11117	11118	11119	11120
##	1.319957e+00	2.602866e+00	1.727273e-01	7.189051e-03	4.026912e-01
##	11121	11122	11123	11124	11125
##	-9.728067e-01	4.500686e-01	1.003338e+00	-1.654134e-01	6.782429e-01
##	11126	11127	11128	11129	11130
##	1.877135e+00	-7.182593e-01	-1.655917e+00	1.627297e+00	-4.224097e-01
##	11131	11132	11133	11134	11135
##	1.913775e+00	-1.286599e+00	1.341573e+00	-7.266893e-01	-3.291149e-01
##	11136	11137	11138	11139	11140
##	-1.999339e-01	-3.490360e-01	-1.669904e+00	1.841955e+00	-5.889841e-01
##	11141	11142	11143	11144	11145
##	-3.461633e-01	7.229830e-01	-4.663492e-01	-1.051125e+00	1.404963e+00
##	11146	11147	11148	11149	11150
##	-9.858991e-01	5.913462e-02	-5.439143e-01	1.335969e+00	1.434915e+00
##	11151	11152	11153	11154	11155
##	2.109313e+00	-1.215251e+00	3.666314e+00	7.529824e-01	9.863371e-01
##	11156	11157	11158	11159	11160
##	5.519346e-01	5.443524e-01	3.313829e-02	1.012804e+00	1.264809e+00
##	11161	11162	11163	11164	11165
##	1.443863e+00	1.923995e+00	2.469211e+00	5.984643e-01	-1.140276e+00
##	11166	11167	11168	11169	11170
##	4.888276e-01	-1.074013e+00	-1.384509e+00	1.279691e+00	-2.224520e-02
##	11171	11172	11173	11174	11175
##	2.165356e+00	-9.314104e-01	1.140478e+00	1.379720e+00	7.627713e-02
##	11176	11177	11178	11179	11180
##	1.339548e+00	-7.582899e-01	5.042276e-01	1.411839e+00	1.249267e+00
##	11181	11182	11183	11184	11185
##	1.597439e+00	-1.399351e-01	-3.788068e-02	-4.433266e-02	8.493854e-01
##	11186	11187	11188	11189	11190
##	8.561200e-01	-8.565418e-01	2.762871e-01	8.073909e-01	-1.342518e+00
##	11191	11192	11193	11194	11195
##	2.817020e+00	-9.874863e-01	-5.277037e-03	-1.136579e-01	-2.062797e+00
##	11196	11197	11198	11199	11200
##	7.632421e-01	1.811243e+00	1.784116e+00	1.646128e+00	1.962276e+00
##	11201	11202	11203	11204	11205
##	6.600103e-01	1.341943e+00	4.585388e-01	-1.226111e-01	1.922999e+00
##	11206	11207	11208	11209	11210
##	-1.489842e-01	1.594795e+00	2.184023e-01	7.342317e-01	1.314157e+00
##	11211	11212	11213	11214	11215
##	6.708675e-02	2.529156e+00	1.077647e+00	-9.463934e-01	4.449754e-01
##	11216	11217	11218	11219	11220
##	6.900568e-01	1.749502e+00	3.773944e-01	-6.439977e-01	-1.279636e+00
##	11221	11222	11223	11224	11225
##	2.075256e+00	-4.751628e-01	8.291278e-01	1.071525e+00	2.914464e-01
##	11226	11227	11228	11229	11230
##	-6.123500e-01	1.073550e+00	-1.181371e-01	1.323812e+00	1.362571e+00
##	11231	11232	11233	11234	11235
##	1.432930e+00	-8.476356e-01	1.633742e+00	8.986397e-01	-1.485821e-02
##	11236	11237	11238	11239	11240
##	-4.772350e-01	2.281955e+00	7.071305e-02	1.156813e+00	1.336339e+00
##	11241	11242	11243	11244	11245

##	2.816036e-01	1.794100e+00	-1.552007e-01	6.909516e-01	4.795595e-01
##	11246	11247	11248	11249	11250
##	4.608570e-01	9.600079e-01	1.671478e+00	1.271125e+00	3.001153e+00
##	11251	11252	11253	11254	11255
##	2.881956e+00	2.312109e+00	2.804014e+00	1.769576e+00	5.786430e-01
##	11256	11257	11258	11259	11260
##	5.947023e-01	-1.012408e+00	1.741932e+00	9.926063e-01	8.769415e-01
##	11261	11262	11263	11264	11265
##	6.525347e-01	1.059057e+00	2.268883e-02	1.370730e+00	2.168607e-01
##	11266	11267	11268	11269	11270
##	1.043045e+00	1.858350e+00	1.598340e+00	2.297509e+00	-3.377277e-01
##	11271	11272	11273	11274	11275
##	-1.326577e+00	1.118867e+00	1.421734e+00	1.873844e+00	2.089923e-02
##	11276	11277	11278	11279	11280
##	1.276588e+00	2.372343e+00	1.894896e+00	2.323223e+00	4.444699e-01
##	11281	11282	11283	11284	11285
##	1.705056e+00	2.045219e-01	3.255555e-01	1.158894e-01	1.104315e+00
##	11286	11287	11288	11289	11290
##	3.368583e-01	6.120332e-01	1.412927e+00	3.796203e-01	1.964313e+00
##	11291	11292	11293	11294	11295
##	-7.722714e-01	1.272020e+00	6.608705e-01	1.458280e+00	1.954800e+00
##	11296	11297	11298	11299	11300
##	3.491500e-01	1.695402e+00	1.297168e+00	3.282870e-01	4.282693e-01
##	11301	11302	11303	11304	11305
##	-4.913039e-01	-2.268714e+00	-1.339589e-01	-4.558362e-01	-1.260927e+00
##	11306	11307	11308	11309	11310
##	-1.936542e-01	7.181430e-01	-2.591300e-02	7.209478e-01	-1.671636e+00
##	11311	11312	11313	11314	11315
##	-8.252688e-01	2.622463e+00	1.065462e+00	7.314185e-01	7.721084e-01
##	11316	11317	11318	11319	11320
##	9.609115e-01	1.773391e+00	9.690118e-01	1.391499e+00	-6.145039e-01
##	11321	11322	11323	11324	11325
##	-1.147062e+00	-7.644014e-01	-2.693363e+00	1.552659e-01	-3.247662e-01
##	11326	11327	11328	11329	11330
##	3.210779e-02	-1.036798e+00	2.861919e-01	4.604427e-01	2.965999e-01
##	11331	11332	11333	11334	11335
##	4.282298e-01	8.399326e-01	2.312823e+00	5.727638e-01	4.116996e-01
##	11336	11337	11338	11339	11340
##	1.062691e+00	8.432763e-01	1.008739e-01	-9.913777e-02	1.730731e+00
##	11341	11342	11343	11344	11345
##	1.213818e+00	3.481687e-01	8.464788e-01	2.508708e-01	2.255338e-01
##	11346	11347	11348	11349	11350
##	4.937858e-01	4.005381e-01	-6.594717e-01	4.179161e-01	8.696023e-01
##	11351	11352	11353	11354	11355
##	4.088268e-01	-5.349060e-01	-6.136774e-02	2.706035e-01	6.301724e-01
##	11356	11357	11358	11359	11360
##	-5.633513e-01	-4.980779e-01	7.756011e-01	9.231491e-01	-2.363880e+00
##	11361	11362	11363	11364	11365
##	8.907950e-01	9.012971e-01	-1.327164e-01	1.726463e-01	-1.360808e+00
##	11366	11367	11368	11369	11370
##	1.182359e+00	1.736618e+00	4.642574e-01	7.353821e-01	1.554210e-01
##	11371	11372	11373	11374	11375
##	5.799564e-01	-1.189887e+00	-6.398199e-01	-4.341517e-01	-1.116336e+00
##	11376	11377	11378	11379	11380



##	1.036919e-01	-3.031235e-01	-6.335406e-01	3.084810e-01	-2.704292e-01
##	11381	11382	11383	11384	11385
##	5.449179e-01	-9.555435e-01	4.774363e-01	-4.847665e-02	-1.004941e+00
##	11386	11387	11388	11389	11390
##	1.358419e-01	1.312192e+00	2.102348e+00	1.575923e+00	7.408846e-01
##	11391	11392	11393	11394	11395
##	1.994313e+00	2.290351e+00	1.975047e-01	-3.822794e-01	-1.682894e-02
##	11396	11397	11398	11399	11400
##	-2.798353e+00	-1.056598e+00	-1.375127e+00	-3.337665e-01	-1.905435e+00
##	11401	11402	11403	11404	11405
##	-1.528802e+00	-1.345865e+00	4.012055e-01	-8.852990e-01	-8.790197e-01
##	11406	11407	11408	11409	11410
##	-3.922474e+00	-5.761059e-01	1.646430e-01	-8.477069e-01	-9.483851e-01
##	11411	11412	11413	11414	11415
##	-4.823087e-01	3.059170e-01	1.899228e+00	-5.901558e-01	1.425737e+00
##	11416	11417	11418	11419	11420
##	1.135680e+00	1.261329e+00	-5.864354e-01	8.405843e-01	2.783104e+00
##	11421	11422	11423	11424	11425
##	3.572974e-01	9.292167e-01	1.491105e+00	1.613222e+00	1.110720e+00
##	11426	11427	11428	11429	11430
##	-3.598152e-01	1.674775e+00	-9.801515e-02	1.247672e+00	7.862840e-01
##	11431	11432	11433	11434	11435
##	7.203042e-01	2.213818e-01	9.411788e-01	1.223182e+00	-6.627760e-01
##	11436	11437	11438	11439	11440
##	8.255610e-01	3.329023e-01	1.191017e+00	1.745511e+00	5.263756e-03
##	11441	11442	11443	11444	11445
##	8.588100e-01	-1.194759e+00	-1.512037e+00	2.691363e+00	1.059528e+00
##	11446	11447	11448	11449	11450
##	-2.968965e-01	1.539236e+00	2.522057e+00	-3.006261e+00	1.246918e+00
##	11451	11452	11453	11454	11455
##	-3.211032e-01	1.724554e+00	-8.843571e-01	-4.484511e-02	-3.966904e-01
##	11456	11457	11458	11459	11460
##	-2.347785e-01	2.032460e+00	8.201451e-01	2.502509e-01	1.388438e+00
##	11461	11462	11463	11464	11465
##	-2.940563e+00	3.994473e-01	1.264956e+00	4.299176e-01	1.193607e+00
##	11466	11467	11468	11469	11470
##	-1.643847e+00	7.979240e-01	-1.507066e-01	7.567161e-01	5.454488e-01
##	11471	11472	11473	11474	11475
##	-6.477451e-01	-4.341231e-01	8.621143e-01	1.560512e+00	1.492318e+00
##	11476	11477	11478	11479	11480
##	1.296083e+00	2.255498e+00	-1.876387e-01	-2.744227e+00	2.164558e+00
##	11481	11482	11483	11484	11485
##	2.444819e+00	1.591509e+00	1.925034e+00	-1.136411e+00	1.738492e+00
##	11486	11487	11488	11489	11490
##	4.491772e-01	1.591367e+00	-1.152069e-01	-8.222412e-01	-2.285571e+00
##	11491	11492	11493	11494	11495
##	1.622733e+00	-2.437391e-01	1.029872e+00	-8.624183e-01	-5.199030e-01
##	11496	11497	11498	11499	11500
##	-5.058374e-01	-3.400807e+00	-4.649385e+00	-2.674668e+00	-1.039593e-01
##	11501	11502	11503	11504	11505
##	-8.587739e-01	1.275797e-01	1.688975e-01	-1.821643e+00	-1.946894e+00
##	11506	11507	11508	11509	11510
##	1.091604e-01	-8.204911e-01	1.214758e+00	6.648320e-01	7.579855e-01
##	11511	11512	11513	11514	11515

##	-1.058037e+00	-4.385051e-01	-7.704293e-01	-2.039730e-01	5.339084e-01
##	11516	11517	11518	11519	11520
##	-1.060157e+00	9.203684e-01	-5.582201e-01	2.309475e-01	1.668986e-01
##	11521	11522	11523	11524	11525
##	6.722258e-01	1.236893e+00	2.868633e+00	6.051157e-01	5.630130e-01
##	11526	11527	11528	11529	11530
##	-2.701412e-01	-2.147577e-01	1.078324e+00	-2.827626e-01	4.865781e-01
##	11531	11532	11533	11534	11535
##	1.297221e+00	3.984167e-01	-2.699999e-01	2.137566e-02	4.725439e-01
##	11536	11537	11538	11539	11540
##	4.262968e-01	3.299879e-01	-1.558090e+00	1.953487e+00	9.591274e-01
##	11541	11542	11543	11544	11545
##	6.592748e-01	-2.092522e+00	1.326467e+00	1.084447e+00	2.396932e+00
##	11546	11547	11548	11549	11550
##	1.057603e+00	1.066504e+00	1.089486e+00	1.718906e-01	6.715194e-01
##	11551	11552	11553	11554	11555
##	1.104462e+00	8.086124e-01	9.948252e-01	1.096173e+00	4.948668e-01
##	11556	11557	11558	11559	11560
##	4.958087e-01	-5.577020e-01	-1.070753e+00	9.604460e-01	-6.410278e-03
##	11561	11562	11563	11564	11565
##	5.619769e-01	6.872491e-01	-6.576372e-01	1.235103e+00	1.927086e+00
##	11566	11567	11568	11569	11570
##	1.254242e+00	1.479449e+00	1.832566e+00	9.608415e-01	1.266675e+00
##	11571	11572	11573	11574	11575
##	-1.081850e-02	2.560699e+00	2.751245e+00	1.532855e+00	1.942344e+00
##	11576	11577	11578	11579	11580
##	1.734044e+00	1.336799e+00	8.259149e-01	1.512793e+00	1.746147e+00
##	11581	11582	11583	11584	11585
##	2.693601e+00	1.748455e+00	-2.079505e+00	1.078626e+00	1.604769e+00
##	11586	11587	11588	11589	11590
##	1.973945e+00	-4.552993e-01	3.019852e-01	2.101383e+00	9.129461e-01
##	11591	11592	11593	11594	11595
##	-1.687745e-01	7.555337e-02	1.213364e+00	1.865909e+00	1.949691e+00
##	11596	11597	11598	11599	11600
##	1.204604e+00	1.618850e+00	2.723626e-01	6.964984e-01	1.425008e+00
##	11601	11602	11603	11604	11605
##	8.972164e-01	-4.673555e-01	1.546324e+00	-2.754913e-01	1.348479e+00
##	11606	11607	11608	11609	11610
##	1.178985e+00	-1.152397e+00	2.244881e+00	6.081956e-01	1.074528e+00
##	11611	11612	11613	11614	11615
##	1.417473e+00	1.073163e+00	1.294084e+00	8.324611e-01	-1.158102e-01
##	11616	11617	11618	11619	11620
##	-2.127627e-01	5.876397e-01	-9.312829e-01	4.088469e-01	-6.149314e-01
##	11621	11622	11623	11624	11625
##	3.691616e-01	3.686174e-01	6.998300e-01	3.830598e-01	3.542588e-01
##	11626	11627	11628	11629	11630
##	-1.444260e+00	7.128072e-01	4.636443e-01	1.610931e+00	1.726314e+00
##	11631	11632	11633	11634	11635
##	1.520755e-01	1.355489e+00	1.820503e+00	1.337452e+00	6.713428e-01
##	11636	11637	11638	11639	11640
##	1.646347e+00	-2.678688e-01	-3.889496e-01	-5.694640e-01	6.584389e-01
##	11641	11642	11643	11644	11645
##	7.393948e-01	6.862719e-01	1.799829e+00	8.285924e-01	-5.509451e-02
##	11646	11647	11648	11649	11650

##	1.692405e+00	-1.136344e+00	-5.842517e-01	1.216606e+00	1.367041e+00
##	11651	11652	11653	11654	11655
##	-2.012152e+00	-1.169344e+00	-6.079679e-01	-1.143309e-01	-3.317206e-01
##	11656	11657	11658	11659	11660
##	-4.420637e-01	1.605807e+00	-2.970588e-01	-8.094031e-01	2.602140e-01
##	11661	11662	11663	11664	11665
##	-2.711136e-02	1.518540e+00	5.011510e-01	1.772146e+00	2.164916e+00
##	11666	11667	11668	11669	11670
##	9.247688e-01	1.316362e+00	1.416957e+00	8.139506e-02	1.398072e+00
##	11671	11672	11673	11674	11675
##	1.730467e+00	7.579590e-01	-2.052941e+00	-5.569791e-02	2.442960e-01
##	11676	11677	11678	11679	11680
##	-1.440089e+00	-7.226469e-01	-5.160891e-01	8.840394e-01	-5.471716e-01
##	11681	11682	11683	11684	11685
##	6.641067e-01	6.674975e-01	3.466877e-01	-1.838352e-01	2.206620e-01
##	11686	11687	11688	11689	11690
##	5.049734e-01	3.720718e-01	8.635061e-01	5.759923e-01	-1.087190e-01
##	11691	11692	11693	11694	11695
##	6.575134e-01	6.888315e-01	7.735256e-02	6.174358e-01	6.032602e-01
##	11696	11697	11698	11699	11700
##	8.516853e-01	2.559361e-01	8.084523e-01	-4.978163e-01	3.008174e-01
##	11701	11702	11703	11704	11705
##	1.629880e+00	1.322351e+00	6.018945e-01	1.521862e-01	-5.795729e-01
##	11706	11707	11708	11709	11710
##	-6.731031e-01	1.188178e+00	1.354987e+00	8.360027e-01	5.794774e-01
##	11711	11712	11713	11714	11715
##	-1.632077e-01	1.774131e+00	1.133642e+00	4.884431e-01	3.540345e-01
##	11716	11717	11718	11719	11720
##	1.715893e-01	-4.319777e-01	-1.961741e-01	-1.001166e+00	1.273890e+00
##	11721	11722	11723	11724	11725
##	1.025606e+00	1.344315e-01	-9.966444e-01	5.753801e-01	9.053263e-01
##	11726	11727	11728	11729	11730
##	-8.221111e-01	1.325035e+00	1.572754e+00	1.283027e+00	1.026219e+00
##	11731	11732	11733	11734	11735
##	-1.472897e-01	7.643716e-01	1.235997e-01	7.831153e-01	2.997813e-01
##	11736	11737	11738	11739	11740
##	9.016300e-01	1.069947e+00	1.982456e+00	1.605462e+00	1.422263e+00
##	11741	11742	11743	11744	11745
##	1.414634e+00	2.060539e+00	2.119596e+00	1.601835e+00	1.561428e+00
##	11746	11747	11748	11749	11750
##	2.434189e+00	2.775014e+00	1.464790e+00	2.038075e+00	3.396948e-01
##	11751	11752	11753	11754	11755
##	1.791675e+00	2.123410e+00	-1.954440e-02	2.103254e+00	2.589037e+00
##	11756	11757	11758	11759	11760
##	9.423670e-01	8.063572e-01	5.534110e-01	3.412866e+00	1.362876e+00
##	11761	11762	11763	11764	11765
##	1.238735e+00	6.792954e-01	4.710422e-01	-1.448024e+00	1.873196e+00
##	11766	11767	11768	11769	11770
##	1.315687e+00	3.403541e-01	1.937574e+00	1.028645e+00	8.856648e-01
##	11771	11772	11773	11774	11775
##	2.139046e+00	1.516264e+00	1.452215e+00	-1.806557e-01	8.054624e-01
##	11776	11777	11778	11779	11780
##	5.769113e-01	2.800351e+00	4.410899e-01	3.420966e-01	1.275421e+00
##	11781	11782	11783	11784	11785

##	5.281287e-01	8.022676e-01	1.229559e+00	-5.006573e-01	-1.488591e-01
##	11786	11787	11788	11789	11790
##	2.143360e-01	2.170675e-01	4.422962e-02	3.542076e-01	1.500354e+00
##	11791	11792	11793	11794	11795
##	7.389722e-01	1.251385e-01	2.177012e+00	1.055941e-01	2.043639e+00
##	11796	11797	11798	11799	11800
##	1.777978e+00	4.327832e+00	8.115923e-01	4.761361e-01	6.057410e-01
##	11801	11802	11803	11804	11805
##	3.257153e-01	7.729275e-01	1.720522e+00	1.007554e+00	-4.722120e-01
##	11806	11807	11808	11809	11810
##	4.202816e-01	2.623989e+00	1.359823e+00	9.631905e-01	1.028626e-01
##	11811	11812	11813	11814	11815
##	2.157279e+00	8.179972e-01	2.422428e+00	-6.803984e-02	3.432862e-01
##	11816	11817	11818	11819	11820
##	-7.924841e-02	1.524094e+00	1.998292e+00	7.289926e-01	1.034450e+00
##	11821	11822	11823	11824	11825
##	1.638487e+00	1.051027e+00	6.150703e-01	7.282391e-01	8.030256e-01
##	11826	11827	11828	11829	11830
##	7.432152e-01	-5.735084e-01	-4.755041e-01	1.624265e+00	2.086453e+00
##	11831	11832	11833	11834	11835
##	1.193630e+00	1.746382e+00	2.110048e+00	-3.682692e-01	1.448177e+00
##	11836	11837	11838	11839	11840
##	1.860492e+00	1.223959e+00	9.362568e-01	6.868428e-01	-1.650567e+00
##	11841	11842	11843	11844	11845
##	1.347300e+00	2.308034e+00	2.593632e-01	1.837912e-02	1.728030e-01
##	11846	11847	11848	11849	11850
##	1.183269e+00	1.240254e+00	2.963170e+00	1.542947e-01	2.109969e-01
##	11851	11852	11853	11854	11855
##	1.809159e+00	9.190672e-01	1.339435e+00	-1.079762e-01	5.019015e-01
##	11856	11857	11858	11859	11860
##	7.166538e-01	1.823161e-01	1.548819e+00	3.578856e-01	1.090366e-01
##	11861	11862	11863	11864	11865
##	-2.428877e-02	2.204567e+00	4.757790e-02	1.439842e+00	4.413376e-01
##	11866	11867	11868	11869	11870
##	2.241018e+00	4.583388e-01	1.691799e+00	2.035826e+00	2.024476e+00
##	11871	11872	11873	11874	11875
##	1.645823e-01	3.825161e-01	1.248971e-01	1.009317e+00	5.099861e-01
##	11876	11877	11878	11879	11880
##	-1.263374e+00	-1.364136e+00	-1.639756e+00	-9.706327e-01	-1.036607e+00
##	11881	11882	11883	11884	11885
##	8.156941e-01	-1.192206e+00	-7.393843e-01	-1.975026e+00	5.339754e-01
##	11886	11887	11888	11889	11890
##	5.161422e-01	-8.853154e-01	-1.931615e+00	-6.699770e-01	-1.419057e+00
##	11891	11892	11893	11894	11895
##	1.530836e+00	-4.587307e-01	-3.165986e-01	-6.571411e-01	-4.034045e-02
##	11896	11897	11898	11899	11900
##	3.077843e-01	6.203996e-01	-4.311904e-02	3.694314e-01	2.082364e+00
##	11901	11902	11903	11904	11905
##	-4.157331e-01	3.846761e-01	7.196144e-01	-6.644548e-01	-3.931839e-02
##	11906	11907	11908	11909	11910
##	1.197109e+00	-2.244203e+00	1.439082e+00	1.688877e-01	-2.017065e+00
##	11911	11912	11913	11914	11915
##	-1.876722e+00	2.627006e-01	-3.912108e-01	-8.639013e-01	7.098186e-01
##	11916	11917	11918	11919	11920

##	7.799428e-01	-3.848530e-01	2.241770e-01	2.138162e-01	7.670388e-01
##	11921	11922	11923	11924	11925
##	1.740724e+00	-1.377847e+00	-1.049361e+00	-1.321992e+00	3.178486e-01
##	11926	11927	11928	11929	11930
##	-8.129918e-01	9.484951e-01	8.639599e-01	-2.139370e+00	-7.854414e-01
##	11931	11932	11933	11934	11935
##	-8.997875e-01	1.069199e+00	-2.651380e-01	-5.986163e-01	3.476173e-02
##	11936	11937	11938	11939	11940
##	1.461970e+00	-1.734915e-01	8.235526e-01	2.786657e-01	-5.988518e-01
##	11941	11942	11943	11944	11945
##	-2.336786e-01	-1.340171e+00	1.424205e-01	-9.416077e-01	6.647489e-01
##	11946	11947	11948	11949	11950
##	7.664266e-01	-4.279447e-01	-1.196150e-01	1.969241e+00	1.624346e+00
##	11951	11952	11953	11954	11955
##	2.505369e+00	1.619986e+00	3.089613e+00	3.547859e+00	-6.284542e-01
##	11956	11957	11958	11959	11960
##	1.440764e-01	-5.152979e-01	-1.282728e-01	-9.082570e-01	2.229131e-01
##	11961	11962	11963	11964	11965
##	-7.203958e-01	-6.085456e-01	-6.778692e-01	1.168556e-01	1.299951e-01
##	11966	11967	11968	11969	11970
##	1.322012e+00	-8.965775e-01	-4.279371e-01	4.541015e-01	1.607595e+00
##	11971	11972	11973	11974	11975
##	-3.714438e-02	7.054465e-01	-7.981964e-01	9.015287e-02	1.211678e-02
##	11976	11977	11978	11979	11980
##	-8.490117e-01	3.079663e-01	-7.688092e-01	6.907529e-01	-4.208257e-01
##	11981	11982	11983	11984	11985
##	-9.801707e-01	2.020501e-01	7.459951e-01	-4.665548e-01	-2.116286e+00
##	11986	11987	11988	11989	11990
##	4.287645e-01	7.848954e-01	-8.448203e-01	-1.039651e+00	8.868557e-01
##	11991	11992	11993	11994	11995
##	1.287235e-01	4.595645e-01	8.365584e-01	4.627199e-01	-9.697628e-01
##	11996	11997	11998	11999	12000
##	7.409089e-01	4.456510e-02	2.821584e-01	1.259093e+00	-1.916698e+00
##	12001	12002	12003	12004	12005
##	2.982177e-01	1.302305e-01	-1.051849e+00	2.392438e+00	1.554716e+00
##	12006	12007	12008	12009	12010
##	5.724595e-01	1.240264e+00	6.436668e-01	1.223451e+00	5.630046e-02
##	12011	12012	12013	12014	12015
##	9.006632e-01	1.511494e-01	5.404821e-01	2.076432e+00	1.027678e+00
##	12016	12017	12018	12019	12020
##	-5.168793e-02	6.478112e-01	1.091397e+00	6.167757e-01	1.256041e+00
##	12021	12022	12023	12024	12025
##	5.458509e-01	3.625580e-01	-3.135821e-01	4.159635e-01	1.221426e+00
##	12026	12027	12028	12029	12030
##	-1.434486e+00	7.176528e-01	7.697508e-02	1.362051e+00	4.791758e-02
##	12031	12032	12033	12034	12035
##	5.642179e-01	6.707935e-01	-3.151834e-01	-9.122042e-01	-3.980702e-01
##	12036	12037	12038	12039	12040
##	-1.691623e+00	1.328096e+00	7.266479e-01	-7.089149e-03	2.455687e+00
##	12041	12042	12043	12044	12045
##	2.694515e-01	2.606107e+00	7.340889e-01	1.271781e-01	8.052962e-01
##	12046	12047	12048	12049	12050
##	9.063257e-02	2.817904e-01	-3.266191e+00	5.167934e-01	-1.638642e+00
##	12051	12052	12053	12054	12055

##	-9.930660e-01	-1.257079e+00	2.468590e+00	2.790229e-02	4.939525e-01
##	12056	12057	12058	12059	12060
##	7.336581e-01	1.014104e-01	6.474746e-01	8.090569e-01	-4.760190e-01
##	12061	12062	12063	12064	12065
##	2.873407e-01	-1.354102e+00	1.810622e+00	1.333881e+00	5.585596e-01
##	12066	12067	12068	12069	12070
##	7.249456e-01	1.148799e+00	-5.636624e-01	2.257646e+00	8.409872e-01
##	12071	12072	12073	12074	12075
##	1.461037e+00	1.262439e+00	1.310475e+00	4.341823e-01	-3.728343e-01
##	12076	12077	12078	12079	12080
##	1.181577e+00	2.264942e-01	1.674612e+00	5.648232e-01	8.615676e-01
##	12081	12082	12083	12084	12085
##	4.487346e-01	6.707395e-01	6.397001e-02	2.668501e+00	1.175831e+00
##	12086	12087	12088	12089	12090
##	6.331069e-02	1.116492e+00	-1.641380e+00	3.920291e-04	9.680019e-01
##	12091	12092	12093	12094	12095
##	5.284661e-01	1.632698e+00	-8.372832e-01	-8.772196e-01	4.080917e-01
##	12096	12097	12098	12099	12100
##	6.685731e-01	-4.869921e-01	1.396188e+00	-1.649574e+00	4.348377e-02
##	12101	12102	12103	12104	12105
##	3.496471e-01	4.926269e-01	1.612353e+00	6.425297e-01	-1.082223e+00
##	12106	12107	12108	12109	12110
##	8.490875e-01	9.971064e-01	-1.003763e+00	-1.105633e-01	2.539937e-02
##	12111	12112	12113	12114	12115
##	1.065214e+00	-1.191286e+00	-4.891496e-01	-1.701888e+00	-1.607745e+00
##	12116	12117	12118	12119	12120
##	6.591630e-01	-2.213290e+00	-2.032635e+00	2.201452e-01	-1.184081e+00
##	12121	12122	12123	12124	12125
##	-2.121220e+00	7.556131e-01	7.473715e-01	-3.349829e+00	-1.311990e+00
##	12126	12127	12128	12129	12130
##	-4.243943e-01	-1.932464e+00	-1.715640e+00	-4.587198e+00	2.131752e-01
##	12131	12132	12133	12134	12135
##	-1.932841e+00	-1.880942e+00	-1.723646e+00	-1.500409e+00	-1.428730e+00
##	12136	12137	12138	12139	12140
##	-2.588063e+00	-3.197420e-01	-1.497771e+00	-8.099047e-01	-6.604258e-01
##	12141	12142	12143	12144	12145
##	-1.200697e+00	-2.109721e+00	-5.303028e-01	-7.797169e-01	7.201113e-01
##	12146	12147	12148	12149	12150
##	1.430116e-01	-2.481064e+00	7.896703e-01	-1.291355e+00	-7.416172e-01
##	12151	12152	12153	12154	12155
##	-7.017279e-01	-5.337878e-01	-6.246808e-01	-8.985842e-01	-8.219610e-01
##	12156	12157	12158	12159	12160
##	-1.520518e+00	1.210180e+00	-2.433168e+00	-1.620265e+00	-1.750152e+00
##	12161	12162	12163	12164	12165
##	5.373225e+00	2.879061e+00	2.773569e+00	2.289156e+00	2.210037e+00
##	12166	12167	12168	12169	12170
##	2.176129e+00	3.155250e+00	2.081939e+00	2.142558e+00	2.178313e+00
##	12171	12172	12173	12174	12175
##	2.151940e+00	1.970660e+00	2.319432e+00	3.444940e+00	2.151918e+00
##	12176	12177	12178	12179	12180
##	2.429495e+00	1.686343e+00	1.894982e+00	1.829849e+00	2.289619e+00
##	12181	12182	12183	12184	12185
##	2.586952e+00	1.595921e+00	1.782717e+00	1.554478e+00	2.447496e+00
##	12186	12187	12188	12189	12190

##	1.729209e+00	1.631578e+00	1.652772e+00	2.363776e+00	1.479126e+00
##	12191	12192	12193	12194	12195
##	1.633934e+00	1.639549e+00	1.541155e+00	1.577421e+00	2.319398e+00
##	12196	12197	12198	12199	12200
##	1.566118e+00	1.775159e+00	2.085446e+00	1.844716e+00	1.332190e+00
##	12201	12202	12203	12204	12205
##	1.703575e+00	1.286979e+00	1.275676e+00	3.666976e+00	1.962314e+00
##	12206	12207	12208	12209	12210
##	1.345241e+00	1.417261e+00	1.405958e+00	1.689185e+00	1.818671e+00
##	12211	12212	12213	12214	12215
##	1.189022e+00	2.157448e+00	1.166416e+00	1.534034e+00	1.269889e+00
##	12216	12217	12218	12219	12220
##	1.147578e+00	1.143811e+00	1.291084e+00	2.666979e+00	1.326839e+00
##	12221	12222	12223	12224	12225
##	1.987017e+00	1.492590e+00	2.126699e+00	3.527575e+00	1.991618e+00
##	12226	12227	12228	12229	12230
##	2.606698e+00	1.580172e+00	1.269563e+00	1.053389e+00	2.923681e+00
##	12231	12232	12233	12234	12235
##	3.574895e+00	1.236417e+00	1.232649e+00	1.413471e+00	1.649129e+00
##	12236	12237	12238	12239	12240
##	1.405936e+00	1.221347e+00	1.221347e+00	1.923802e+00	1.920034e+00
##	12241	12242	12243	12244	12245
##	3.548522e+00	1.126721e+00	1.155451e+00	1.111651e+00	1.104116e+00
##	12246	12247	12248	12249	12250
##	1.136613e+00	1.096581e+00	1.353190e+00	1.394573e+00	1.479261e+00
##	12251	12252	12253	12254	12255
##	1.125310e+00	1.164833e+00	1.338119e+00	1.464190e+00	1.160303e+00
##	12256	12257	12258	12259	12260
##	1.840915e+00	9.328261e-01	1.047602e+00	9.252910e-01	1.032532e+00
##	12261	12262	12263	12264	12265
##	1.032532e+00	9.026855e-01	1.281606e+00	1.803239e+00	1.277838e+00
##	12266	12267	12268	12269	12270
##	1.300384e+00	1.745892e+00	2.407016e+00	1.878038e+00	9.797854e-01
##	12271	12272	12273	12274	12275
##	1.848506e+00	8.574744e-01	8.574744e-01	1.016051e+00	9.760178e-01
##	12276	12277	12278	12279	12280
##	1.362466e+00	1.044270e+00	9.647151e-01	1.000980e+00	1.025432e+00
##	12281	12282	12283	12284	12285
##	1.336093e+00	1.021665e+00	1.240102e+00	2.774036e+00	1.010362e+00
##	12286	12287	12288	12289	12290
##	1.795760e+00	1.513972e+00	1.286300e+00	2.859546e+00	2.776181e+00
##	12291	12292	12293	12294	12295
##	1.616463e+00	8.818282e-01	8.705255e-01	7.331442e-01	1.720408e+00
##	12296	12297	12298	12299	12300
##	9.380160e-01	7.218414e-01	7.067711e-01	8.253145e-01	2.561993e+00
##	12301	12302	12303	12304	12305
##	8.465092e-01	2.874116e+00	2.558225e+00	6.841656e-01	8.928050e-01
##	12306	12307	12308	12309	12310
##	1.584719e+00	6.803980e-01	1.416015e+00	8.747289e-01	1.546210e+00
##	12311	12312	12313	12314	12315
##	6.690952e-01	8.239037e-01	1.174086e+00	1.279906e+00	8.664319e-01
##	12316	12317	12318	12319	12320
##	8.163685e-01	1.032945e+00	1.272371e+00	7.725683e-01	1.029178e+00
##	12321	12322	12323	12324	12325

##	1.516069e+00	8.408206e-01	8.332855e-01	1.856123e+00	1.622451e+00
##	12326	12327	12328	12329	12330
##	8.287561e-01	7.711575e-01	8.106800e-01	1.348198e+00	1.588543e+00
##	12331	12332	12333	12334	12335
##	5.975111e-01	7.160545e-01	1.603005e+00	7.843069e-01	1.318058e+00
##	12336	12337	12338	12339	12340
##	1.063766e+00	6.972166e-01	1.193252e+00	6.934490e-01	6.896814e-01
##	12341	12342	12343	12344	12345
##	7.654690e-01	7.722423e-01	9.349879e-01	1.061059e+00	1.769468e+00
##	12346	12347	12348	12349	12350
##	7.428635e-01	1.026091e+00	7.390959e-01	1.554026e+00	1.406809e+00
##	12351	12352	12353	12354	12355
##	1.520726e+00	7.383340e-01	2.562167e+00	1.003485e+00	2.954902e+00
##	12356	12357	12358	12359	12360
##	6.732003e-01	1.132970e+00	6.331677e-01	1.498121e+00	6.618976e-01
##	12361	12362	12363	12364	12365
##	1.231403e+00	6.143298e-01	9.733444e-01	4.844836e-01	1.385037e+00
##	12366	12367	12368	12369	12370
##	9.658092e-01	1.467980e+00	6.355245e-01	5.954918e-01	1.377502e+00
##	12371	12372	12373	12374	12375
##	6.712794e-01	8.521011e-01	5.917242e-01	1.460445e+00	9.545065e-01
##	12376	12377	12378	12379	12380
##	9.469713e-01	1.076456e+00	6.091514e-01	6.091514e-01	5.691187e-01
##	12381	12382	12383	12384	12385
##	1.171122e+00	8.558089e-01	1.301317e+00	5.465132e-01	6.223008e-01
##	12386	12387	12388	12389	12390
##	8.031225e-01	2.294494e+00	1.303091e+00	6.290741e-01	1.403931e+00
##	12391	12392	12393	12394	12395
##	4.128995e-01	1.027478e+00	9.178907e-01	9.170771e-01	5.201401e-01
##	12396	12397	12398	12399	12400
##	9.065879e-01	3.940616e-01	8.753872e-01	5.488701e-01	2.475253e+00
##	12401	12402	12403	12404	12405
##	3.284646e+00	2.260586e+00	3.865264e-01	8.952851e-01	1.399555e+00
##	12406	12407	12408	12409	12410
##	8.877500e-01	5.763279e-01	1.103305e+00	8.726796e-01	7.390736e-01
##	12411	12412	12413	12414	12415
##	4.786967e-01	4.786967e-01	1.573554e+00	1.339882e+00	2.215375e+00
##	12416	12417	12418	12419	12420
##	3.413154e-01	3.413154e-01	5.499548e-01	4.598588e-01	5.461872e-01
##	12421	12422	12423	12424	12425
##	8.463066e-01	8.463066e-01	4.523236e-01	4.848211e-01	1.226798e+00
##	12426	12427	12428	12429	12430
##	1.219263e+00	5.130408e-01	1.184522e+00	4.697508e-01	9.295207e-01
##	12431	12432	12433	12434	12435
##	1.180754e+00	2.840216e+00	4.259505e-01	4.221830e-01	2.257877e+00
##	12436	12437	12438	12439	12440
##	3.813291e-01	2.162629e+00	7.698949e-01	1.564227e+00	1.272065e+00
##	12441	12442	12443	12444	12445
##	7.897928e-01	7.623597e-01	3.958099e-01	1.177820e+00	4.783707e-01
##	12446	12447	12448	12449	12450
##	8.843097e-01	1.128008e+00	3.732044e-01	1.241925e+00	2.471258e-01
##	12451	12452	12453	12454	12455
##	8.617042e-01	7.209163e-01	2.358230e-01	2.320782e+00	2.247957e+00
##	12456	12457	12458	12459	12460



##	1.751456e+00	5.921378e-01	1.079030e+00	5.846026e-01	7.144411e-01
##	12461	12462	12463	12464	12465
##	2.019148e-01	1.098701e+00	8.127256e-01	2.152385e+00	3.129230e-01
##	12466	12467	12468	12469	12470
##	3.491881e-01	6.985572e-01	3.416529e-01	1.462502e+00	2.511212e+00
##	12471	12472	12473	12474	12475
##	2.184670e+00	2.645340e-01	2.202785e+00	2.903175e-01	1.680065e-01
##	12476	12477	12478	12479	12480
##	5.469268e-01	6.767653e-01	1.642389e-01	2.034531e+00	2.494637e-01
##	12481	12482	12483	12484	12485
##	7.788173e-01	1.691175e+00	1.002347e+00	2.237895e+00	1.022516e+00
##	12486	12487	12488	12489	12490
##	1.165965e+00	1.018748e+00	1.416334e-01	1.416334e-01	5.205537e-01
##	12491	12492	12493	12494	12495
##	2.601768e-01	3.427377e-01	2.926743e-01	2.926743e-01	6.116563e-01
##	12496	12497	12498	12499	12500
##	1.265631e-01	1.143360e+00	2.162803e+00	1.113827e+00	5.017157e-01
##	12501	12502	12503	12504	12505
##	7.411415e-01	6.315542e-01	9.923752e-01	1.190279e-01	2.042527e-01
##	12506	12507	12508	12509	12510
##	2.738364e-01	9.609035e-01	1.799565e+00	5.928184e-01	1.094989e+00
##	12511	12512	12513	12514	12515
##	1.120754e+00	1.001900e-01	8.358067e-01	2.187334e-01	1.113219e+00
##	12516	12517	12518	12519	12520
##	2.054428e+00	3.012943e-01	1.778796e-01	5.739805e-01	2.036631e-01
##	12521	12522	12523	12524	12525
##	1.360777e+00	7.381691e-02	7.381691e-02	1.090613e+00	1.923603e-01
##	12526	12527	12528	12529	12530
##	2.286254e-01	1.057313e+00	9.706027e-01	2.067875e+00	4.376668e-01
##	12531	12532	12533	12534	12535
##	2.135551e-01	1.735224e-01	1.917736e+00	1.659872e-01	4.367624e-02
##	12536	12537	12538	12539	12540
##	9.404620e-01	5.448998e-01	3.237349e-02	3.237349e-02	1.211687e+00
##	12541	12542	12543	12544	12545
##	2.410129e-01	2.304720e-01	5.373646e-01	5.335971e-01	2.154017e-01
##	12546	12547	12548	12549	12550
##	1.551774e+00	4.986288e-01	1.721116e-01	4.948612e-01	2.446278e+00
##	12551	12552	12553	12554	12555
##	7.416171e-01	9.065538e-01	1.570413e-01	1.965637e-01	1.170086e-01
##	12556	12557	12558	12559	12560
##	1.532737e-01	-1.283752e-02	8.660515e-01	2.516204e+00	1.882667e-01
##	12561	12562	12563	12564	12565
##	-2.414028e-02	-2.414028e-02	2.408602e+00	9.063554e-02	1.973685e+00
##	12566	12567	12568	12569	12570
##	-3.544303e-02	1.240214e+00	8.266015e-01	1.118303e-01	1.513527e-01
##	12571	12572	12573	12574	12575
##	3.321744e-01	-5.051337e-02	1.819778e+00	5.640650e-01	6.426245e-02
##	12576	12577	12578	12579	12580
##	-5.804853e-02	1.468233e-01	1.362824e-01	1.808476e+00	1.213841e+00
##	12581	12582	12583	12584	12585
##	5.489947e-01	6.587303e-01	2.251249e+00	7.415443e-02	1.709471e+00
##	12586	12587	12588	12589	12590
##	4.205695e-01	1.061417e-01	-1.426720e-02	1.932981e+00	8.764691e-01
##	12591	12592	12593	12594	12595

##	3.981098e-03	3.933828e-01	9.030954e-02	1.751962e+00	3.904289e-01
##	12596	12597	12598	12599	12600
##	7.822235e-01	8.909314e-01	1.764067e-02	1.232709e+00	-1.484706e-01
##	12601	12602	12603	12604	12605
##	4.661078e-01	1.382233e+00	3.527530e-01	-4.122991e-02	4.509853e-02
##	12606	12607	12608	12609	12610
##	-8.732421e-03	3.140172e-01	1.432309e+00	2.702245e-02	8.161878e-01
##	12611	12612	12613	12614	12615
##	1.861397e+00	1.097046e+00	7.144070e-01	-1.899140e-01	2.266223e-01
##	12616	12617	12618	12619	12620
##	8.193473e-01	1.918366e+00	3.655103e-03	-2.087519e-01	1.661540e+00
##	12621	12622	12623	12624	12625
##	-9.020851e-02	5.230972e-01	1.792841e+00	1.792841e+00	7.747444e-01
##	12626	12627	12628	12629	12630
##	1.626332e-01	1.318184e+00	-2.200547e-01	7.672092e-01	1.164131e+00
##	12631	12632	12633	12634	12635
##	1.153590e+00	5.218985e-01	-6.901377e-02	5.080269e-01	2.811689e-01
##	12636	12637	12638	12639	12640
##	-2.271799e-02	-3.325890e-02	6.382223e-01	6.691960e-01	2.201385e+00
##	12641	12642	12643	12644	12645
##	7.521389e-01	6.269195e-01	1.543697e+00	-2.577305e-01	6.428229e-01
##	12646	12647	12648	12649	12650
##	-1.429547e-01	6.390553e-01	5.803775e-01	7.477632e-01	3.493127e-01
##	12651	12652	12653	12654	12655
##	1.601259e+00	1.601259e+00	2.122924e-01	7.439956e-01	4.628159e-01
##	12656	12657	12658	12659	12660
##	2.047572e-01	9.990889e-01	-2.841036e-01	2.152407e+00	1.898311e+00
##	12661	12662	12663	12664	12665
##	1.881775e+00	6.993927e-01	2.171200e-01	-1.368303e-01	1.082006e+00
##	12666	12667	12668	12669	12670
##	1.658831e+00	2.095848e-01	5.704057e-01	-3.029415e-01	-1.843981e-01
##	12671	12672	12673	12674	12675
##	5.938443e-01	3.078693e-01	1.694884e+00	1.721996e+00	-1.236809e-01
##	12676	12677	12678	12679	12680
##	1.763179e+00	-1.274485e-01	1.540977e+00	-2.107712e-01	6.579492e-01
##	12681	12682	12683	12684	12685
##	2.852638e-01	2.852638e-01	1.533442e+00	-2.183064e-01	-2.183064e-01
##	12686	12687	12688	12689	12690
##	5.327299e-01	-3.443849e-01	1.033027e+00	2.739610e-01	-2.258415e-01
##	12691	12692	12693	12694	12695
##	1.251465e+00	-1.538216e-01	1.025492e+00	1.779688e+00	-2.371443e-01
##	12696	12697	12698	12699	12700
##	1.017957e+00	-2.484470e-01	1.417683e-01	6.202734e-01	1.714201e+00
##	12701	12702	12703	12704	12705
##	-2.522146e-01	4.748851e-01	6.422708e-01	-1.658862e-01	1.760850e+00
##	12706	12707	12708	12709	12710
##	6.127382e-01	1.706665e+00	5.222602e-01	3.535559e-01	3.636600e-01
##	12711	12712	12713	12714	12715
##	2.325176e-01	3.598924e-01	3.460208e-01	8.313396e-01	-2.710526e-01
##	12716	12717	12718	12719	12720
##	6.234329e-01	-4.008987e-01	1.923469e+00	-2.498578e-01	1.003249e-01
##	12721	12722	12723	12724	12725
##	8.011989e-01	-3.049608e-01	1.439252e+00	3.008098e-01	4.440821e-01
##	12726	12727	12728	12729	12730

##	1.696801e+00	-3.200312e-01	-3.200312e-01	5.486893e-01	2.932746e-01
##	12731	12732	12733	12734	12735
##	4.234700e-01	6.183543e-02	-3.313339e-01	5.373865e-01	9.237675e-01
##	12736	12737	12738	12739	12740
##	4.469085e-01	3.919983e-01	5.134627e-02	-2.525406e-01	3.806955e-01
##	12741	12742	12743	12744	12745
##	4.318382e-01	1.218544e+00	2.593663e-01	3.250835e-02	-4.800180e-01
##	12746	12747	12748	12749	12750
##	1.556222e+00	4.205354e-01	-3.252095e-01	7.956394e-01	1.204287e+00
##	12751	12752	12753	12754	12755
##	4.167678e-01	2.480636e-01	7.296148e-01	2.405284e-01	7.258472e-01
##	12756	12757	12758	12759	12760
##	-3.765449e-01	1.367043e-02	1.035615e+00	8.853298e-01	1.295036e+00
##	12761	12762	12763	12764	12765
##	1.498970e+00	1.554083e-03	-3.120601e-01	7.107769e-01	-3.916153e-01
##	12766	12767	12768	12769	12770
##	8.597185e-01	1.016777e+00	-3.636818e-02	6.994741e-01	1.013010e+00
##	12771	12772	12773	12774	12775
##	3.481183e-01	2.066201e-01	-2.023783e-02	-2.023783e-02	-2.400542e-02
##	12776	12777	12778	12779	12780
##	3.330479e-01	-3.817233e-01	-4.217559e-01	3.255128e-01	1.143192e+00
##	12781	12782	12783	12784	12785
##	-5.516021e-01	-3.535036e-01	-4.330587e-01	1.881141e+00	3.142100e-01
##	12786	12787	12788	12789	12790
##	-7.404403e-02	1.903511e-01	1.865835e-01	1.765231e+00	-5.414609e-02
##	12791	12792	12793	12794	12795
##	1.689443e-01	1.693582e+00	-5.791367e-02	-3.655682e-01	-4.556642e-01
##	12796	12797	12798	12799	12800
##	1.113865e+00	2.312610e+00	2.081030e+00	1.549865e+00	2.840693e-01
##	12801	12802	12803	12804	12805
##	1.943531e+00	1.281014e+00	-4.782697e-01	-1.154875e-01	1.835930e+00
##	12806	12807	12808	12809	12810
##	1.401013e+00	-4.858049e-01	-4.858049e-01	-9.935710e-02	1.450087e+00
##	12811	12812	12813	12814	12815
##	-1.031247e-01	1.199657e-01	-4.107792e-01	3.678453e-01	1.041221e+00
##	12816	12817	12818	12819	12820
##	-4.250877e-01	1.562996e+00	9.112851e-01	-1.144274e-01	2.557029e-01
##	12821	12822	12823	12824	12825
##	6.524712e-01	3.603101e-01	2.426259e-01	1.488861e+00	-1.493957e-01
##	12826	12827	12828	12829	12830
##	-2.104175e-01	-6.344889e-01	-5.159455e-01	2.585293e-01	8.982503e-02
##	12831	12832	12833	12834	12835
##	1.523854e+00	2.237880e-01	1.883250e+00	-5.310159e-01	1.144333e+00
##	12836	12837	12838	12839	12840
##	1.304678e+00	1.474514e+00	-4.559902e-01	7.127827e-01	1.494476e+00
##	12841	12842	12843	12844	12845
##	-5.460862e-01	-5.005123e-02	-6.721648e-01	7.052476e-01	1.652203e+00
##	12846	12847	12848	12849	12850
##	-5.573890e-01	6.978842e-02	-4.710605e-01	2.137901e+00	1.753043e+00
##	12851	12852	12853	12854	12855
##	1.451908e+00	1.486179e+00	4.838160e-02	2.133183e-01	4.461402e-02
##	12856	12857	12858	12859	12860
##	1.314358e+00	-8.019190e-02	1.622063e+00	3.964774e-02	1.476342e+00
##	12861	12862	12863	12864	12865

##	8.246307e-01	1.459805e+00	-2.010819e-01	9.782320e-01	-2.895367e-01
##	12866	12867	12868	12869	12870
##	-2.048495e-01	1.869452e-01	1.610760e+00	1.418000e+00	2.089274e+00
##	12871	12872	12873	12874	12875
##	2.661205e-01	-2.161522e-01	-3.046071e-01	-1.103326e-01	-6.434538e-01
##	12876	12877	12878	12879	12880
##	-1.141002e-01	1.591922e+00	1.057679e+00	4.809543e-01	1.053911e+00
##	12881	12882	12883	12884	12885
##	1.261612e+00	-6.252055e-01	1.258308e-01	6.404368e-01	2.146836e+00
##	12886	12887	12888	12889	12890
##	7.831872e-01	-6.327406e-01	-2.425253e-01	-1.943491e-02	4.621163e-01
##	12891	12892	12893	12894	12895
##	4.621163e-01	7.756521e-01	1.317280e+00	-3.422829e-01	6.110580e-01
##	12896	12897	12898	12899	12900
##	1.365254e+00	1.349461e+00	-5.652501e-01	7.805769e-01	1.341926e+00
##	12901	12902	12903	12904	12905
##	2.353717e-01	-4.025045e-01	6.065285e-01	7.768094e-01	1.400990e+00
##	12906	12907	12908	12909	12910
##	1.542943e+00	5.668328e-02	1.945364e-01	-7.112703e-01	1.636248e+00
##	12911	12912	12913	12914	12915
##	1.327578e+00	-2.990391e-01	1.193796e+00	1.323810e+00	-6.930220e-01
##	12916	12917	12918	12919	12920
##	-7.971626e-02	1.220907e+00	1.054959e+00	-7.338758e-01	1.501500e+00
##	12921	12922	12923	12924	12925
##	-9.478660e-02	-3.216446e-01	1.530930e-01	1.147227e-02	6.965328e-01
##	12926	12927	12928	12929	12930
##	1.032353e+00	3.164119e-02	-8.417061e-01	-6.330666e-01	-6.473751e-01
##	12931	12932	12933	12934	12935
##	1.112532e+00	9.484186e-01	6.852300e-01	1.596859e+00	-3.450637e-01
##	12936	12937	12938	12939	12940
##	-7.382330e-01	-1.249273e-01	8.000955e-01	-1.148232e-01	5.236417e-01
##	12941	12942	12943	12944	12945
##	-6.662131e-01	-1.324624e-01	-1.362300e-01	2.019134e+00	-1.513004e-01
##	12946	12947	12948	12949	12950
##	1.549593e+00	-8.054599e-01	1.240923e+00	-1.487315e-01	4.791925e-01
##	12951	12952	12953	12954	12955
##	-7.796764e-01	-2.864016e-02	1.229621e+00	9.973866e-02	9.973866e-02
##	12956	12957	12958	12959	12960
##	-4.193629e-02	-1.889762e-01	-1.889762e-01	-4.158342e-01	-4.947146e-02
##	12961	12962	12963	12964	12965
##	1.392240e+00	1.958852e+00	2.812723e-01	1.870754e+00	8.542290e-01
##	12966	12967	12968	12969	12970
##	2.321154e-01	1.248912e+00	-2.115817e-01	1.585611e+00	1.132669e+00
##	12971	12972	12973	12974	12976
##	-4.658728e-01	4.264463e-01	5.835053e-01	1.943386e+00	-9.547336e-01
##	12977	12978	12979	12980	12981
##	1.130225e+00	1.888930e+00	-5.418022e-02	-7.584455e-02	1.200604e+00
##	12982	12983	12984	12985	12986
##	-2.266520e-01	1.157314e+00	5.684349e-01	1.070204e+00	-4.572776e-01
##	12987	12988	12989	12990	12991
##	6.335814e-01	4.699248e-02	1.146011e+00	-2.417224e-01	-8.587957e-01
##	12992	12993	12994	12995	12996
##	6.833004e-01	2.367068e+00	1.150501e+00	2.389579e-03	1.091225e+00
##	12997	12998	12999	13000	13001

##	-8.808848e-02	9.655958e-01	-5.145590e-03	-2.466887e-01	6.881280e-01
##	13002	13003	13004	13005	13006
##	3.842411e-01	5.545219e-01	-2.680955e-01	1.324423e+00	-8.851688e-01
##	13007	13008	13009	13010	13011
##	-4.949535e-01	8.628120e-01	6.805928e-01	2.096882e-01	1.978042e+00
##	13012	13013	13014	13015	13016
##	-8.964715e-01	-1.361259e-01	1.417728e+00	6.647089e-01	-5.146050e-01
##	13017	13018	13019	13020	13021
##	-8.282192e-01	5.081536e-01	6.617549e-01	-2.944686e-01	5.043860e-01
##	13022	13023	13024	13025	13026
##	8.402065e-01	1.416015e+00	-3.020037e-01	6.230190e-01	5.619973e-01
##	13027	13028	13029	13030	13031
##	-2.956673e-01	1.757799e-01	-5.789177e-02	-1.662666e-01	3.284891e-01
##	13032	13033	13034	13035	13036
##	2.148492e+00	1.225487e+00	-5.401645e-01	-5.401645e-01	1.275445e+00
##	13037	13038	13039	13040	13041
##	1.116955e+00	-6.542694e-02	6.345682e-01	-6.361545e-01	-4.342954e-02
##	13042	13043	13044	13045	13046
##	3.277273e-01	4.742453e-01	1.075150e+00	7.336663e-01	1.569420e-01
##	13047	13048	13049	13050	13051
##	5.966459e-01	7.298987e-01	7.298987e-01	4.667102e-01	1.260374e+00
##	13052	13053	13054	13055	13056
##	1.067614e+00	-5.864355e-01	-2.221180e-01	-4.531827e-01	1.819056e+00
##	13057	13058	13059	13060	13061
##	1.199114e+00	-5.939707e-01	3.088894e-01	1.000803e+00	6.081951e-01
##	13062	13063	13064	13065	13066
##	-5.711187e-01	-5.740727e-01	-5.740727e-01	5.778080e-01	-6.015058e-01
##	13067	13068	13069	13070	13071
##	6.044275e-01	4.478722e-01	-9.680556e-01	4.441046e-01	1.611928e+00
##	13072	13073	13074	13075	13076
##	-8.854948e-01	-5.853755e-01	2.795105e-01	1.230337e-01	9.383384e-01
##	13077	13078	13079	13080	13081
##	1.061203e+00	2.757430e-01	9.795216e-01	1.427372e+00	1.215163e+00
##	13082	13083	13084	13085	13086
##	1.006611e+00	5.742869e-01	-1.116740e+00	-9.186412e-01	-3.811230e-01
##	13087	13088	13089	13090	13091
##	7.535521e-01	-9.981963e-01	1.004282e-01	1.773845e+00	-6.125622e-01
##	13092	13093	13094	13095	13096
##	1.321825e+00	-6.155161e-01	4.753428e-01	9.289307e-02	3.988936e-01
##	13097	13098	13099	13100	13101
##	3.988936e-01	1.743771e+00	7.718177e-01	1.293398e+00	1.196814e+00
##	13102	13103	13104	13105	13106
##	1.015992e+00	8.818442e-01	-6.381217e-01	1.285862e+00	-9.958395e-01
##	13107	13108	13109	13110	13111
##	1.169952e+00	1.895499e+00	7.960545e-01	7.083411e-01	8.396426e-01
##	13112	13113	13114	13116	13117
##	1.174209e+00	5.223543e-01	-3.238427e-01	-7.567172e-01	1.713564e+00
##	13118	13119	13120	13121	13122
##	1.629629e+00	-6.994630e-01	1.001626e+00	1.261544e+00	-1.066013e+00
##	13123	13124	13125	13126	13127
##	2.068361e+00	6.055684e-01	1.068163e+00	1.504532e+00	-2.915380e-01
##	13128	13129	13130	13131	13132
##	-4.602423e-01	8.200428e-01	8.890996e-01	1.607826e+00	-4.677774e-01
##	13133	13134	13135	13136	13137

##	-6.946354e-01	7.981992e-01	3.273095e-01	4.800972e-01	5.867305e-01
##	13138	13139	13140	13142	13143
##	-1.092386e+00	-1.092386e+00	5.360928e-02	1.675888e+00	-4.866154e-01
##	13144	13145	13146	13147	13149
##	1.105903e+00	1.117695e+00	-7.142869e-01	1.619536e-01	6.808999e-02
##	13150	13151	13152	13153	13154
##	-1.144542e+00	1.106392e+00	9.255703e-01	-1.636687e-02	-3.367490e-01
##	13155	13156	13157	13158	13159
##	7.876546e-01	5.565898e-01	9.285761e-01	8.387972e-01	4.424214e-01
##	13160	13161	13162	13163	13164
##	-1.130062e+00	2.705220e-02	1.738240e+00	1.075763e+00	-7.710471e-01
##	13165	13166	13167	13168	13169
##	3.020937e-01	2.783309e-01	8.792352e-01	1.638608e+00	-2.431115e-01
##	13170	13171	13172	13173	13174
##	5.377519e-01	6.980973e-01	9.097381e-01	-1.105099e+00	5.339843e-01
##	13175	13176	13177	13178	13179
##	-5.280588e-01	-2.764117e-01	-3.940958e-01	1.205102e-01	1.204189e+00
##	13180	13181	13182	13183	13184
##	1.929972e+00	1.178657e+00	8.521396e-01	4.206295e-01	4.198159e-01
##	13185	13186	13187	13188	13189
##	2.632606e-01	8.984354e-01	7.612619e-01	1.747141e+00	-1.156435e+00
##	13190	13191	13192	13193	13194
##	7.266151e-01	5.915459e-01	3.208719e-01	1.611839e+00	6.746782e-01
##	13195	13196	13198	13199	13200
##	4.055592e-01	-2.990172e-01	8.615214e-01	5.689404e-01	-1.258051e-01
##	13201	13202	13203	13204	13205
##	-4.045656e-01	-8.237933e-01	-8.237933e-01	-1.110788e+00	4.887733e-01
##	13206	13207	13208	13209	13210
##	1.574230e+00	8.106962e-01	1.146085e+00	-3.322914e-02	1.011714e+00
##	13211	13212	13213	13214	13215
##	6.776399e-02	6.776399e-02	-4.076431e-02	5.345549e-02	3.641157e-01
##	13216	13217	13218	13219	13220
##	-5.941825e-02	3.595345e-01	2.080025e+00	1.523317e+00	1.201317e+00
##	13221	13222	13223	13224	13225
##	-9.111881e-01	1.559093e+00	1.004667e+00	-1.216716e+00	7.446076e-01
##	13226	13227	13228	13229	13230
##	3.519994e-01	-6.034105e-01	1.954441e-01	9.853408e-01	1.467623e+00
##	13231	13232	13233	13234	13235
##	8.268513e-01	3.452778e-01	7.370724e-01	4.139090e-02	1.879089e-01
##	13236	13237	13238	13239	13240
##	9.815732e-01	7.730203e-01	1.316210e+00	-1.231787e+00	-4.714409e-01
##	13241	13242	13243	13244	13245
##	9.740380e-01	1.456320e+00	9.858293e-01	-3.410687e-01	1.336225e+00
##	13246	13247	13248	13249	13250
##	1.078645e+00	1.507462e+00	-4.573117e-01	7.003378e-01	1.074878e+00
##	13251	13252	13253	13254	13255
##	9.665029e-01	1.084467e+00	-4.920530e-01	1.071110e+00	-1.246857e+00
##	13256	13257	13258	13259	13260
##	-1.008617e-01	9.589677e-01	3.189047e-01	-3.561390e-01	-1.164296e+00
##	13261	13262	13263	13264	13265
##	9.552001e-01	1.521813e+00	1.437482e+00	1.444665e+00	1.059807e+00
##	13266	13267	13268	13269	13270
##	1.069397e+00	7.428797e-01	2.839364e-01	2.839364e-01	-3.058271e-03
##	13271	13272	13273	13274	13275

##	9.476649e-01	-5.348274e-01	1.396752e+00	1.470571e+00	7.007203e-01
##	13276	13277	13278	13279	13280
##	5.737671e-01	7.353445e-01	-6.385174e-01	6.173551e-01	-1.269462e+00
##	13281	13282	13283	13284	13285
##	-8.792470e-01	-5.423626e-01	-1.708378e-01	6.135875e-01	1.054326e+00
##	13286	13287	13288	13289	13290
##	-1.306549e+00	1.864669e+00	7.398346e-01	2.925316e-01	9.288270e-01
##	13291	13292	13293	13294	13295
##	9.288270e-01	1.033434e+00	6.818824e-01	2.841829e-01	-1.248268e+00
##	13296	13297	13298	13299	13300
##	9.212919e-01	1.566557e+00	9.782344e-01	1.303651e+00	1.025899e+00
##	13301	13302	13303	13304	13305
##	1.399806e+00	-9.292857e-01	1.559022e+00	1.396039e+00	-1.418146e+00
##	13306	13307	13308	13309	13310
##	8.562642e-01	-1.299603e+00	6.068105e-01	5.360912e-01	-1.217042e+00
##	13311	13312	13313	13314	13315
##	3.719782e-01	1.020418e+00	-2.085137e-01	-5.505602e-01	1.003294e+00
##	13316	13317	13318	13319	13320
##	7.021588e-01	9.067101e-01	-1.314673e+00	-5.875736e-01	1.819700e+00
##	13321	13322	13323	13324	13325
##	9.995260e-01	5.210209e-01	-5.279870e-02	-7.051353e-01	5.751499e-01
##	13326	13327	13328	13329	13330
##	5.250865e-01	9.371931e-02	6.946236e-01	1.369665e+00	7.183532e-01
##	13331	13332	13333	13334	13335
##	-1.355527e+00	1.588658e-01	8.995173e-02	-9.357608e-01	6.353477e-01
##	13336	13337	13338	13339	13340
##	5.570738e-01	9.882232e-01	2.389719e-01	1.328935e+00	6.833209e-01
##	13341	13342	13343	13344	13345
##	1.355398e+00	9.940451e-01	2.360179e-01	3.418375e-01	1.076987e+00
##	13346	13347	13348	13349	13350
##	4.144695e-01	8.841046e-01	-1.341046e+00	-5.807008e-01	8.765694e-01
##	13351	13352	13353	13354	13355
##	1.427227e+00	1.340327e+00	1.935144e-01	-5.703393e-01	9.580826e-01
##	13356	13357	13358	13359	13360
##	1.508417e+00	2.058772e-01	-1.396971e+00	1.174223e-01	-9.800971e-02
##	13361	13362	13363	13364	13365
##	8.421726e-01	8.421726e-01	6.494126e-01	-2.687950e-01	8.384050e-01
##	13366	13367	13368	13369	13370
##	6.456450e-01	6.799155e-01	1.709089e-01	1.975284e-01	3.041617e-01
##	13371	13372	13373	13374	13375
##	-5.929448e-01	1.061196e-01	1.302313e+00	8.308698e-01	6.381099e-01
##	13376	13377	13378	13379	13380
##	5.276913e-01	1.031776e+00	-1.382490e+00	5.571696e-01	-2.838654e-01
##	13381	13382	13383	13384	13385
##	1.360527e+00	6.543042e-01	1.832717e-01	-7.590801e-01	-1.508568e+00
##	13386	13387	13388	13389	13390
##	1.301849e+00	1.301849e+00	1.795041e-01	1.844271e+00	1.509783e+00
##	13391	13392	13393	13394	13395
##	9.337638e-01	6.467691e-01	-1.003577e+00	9.299962e-01	1.194391e+00
##	13396	13397	13398	13399	13400
##	8.238232e-01	8.351408e-02	1.740339e+00	9.166391e-01	7.545395e-01
##	13401	13402	13403	13404	13405
##	1.673877e-01	8.044967e-01	1.371109e+00	-1.014880e+00	2.702534e-01
##	13406	13407	13408	13409	13410

##	-3.064709e-01	1.829201e+00	6.316987e-01	3.297287e-03	3.391178e-01
##	13411	13412	13413	13414	13415
##	3.938606e-01	-7.854532e-01	1.935028e+00	1.175553e+00	8.049853e-01
##	13416	13417	13418	13419	13420
##	-6.653619e-01	7.894264e-01	-1.453484e+00	-1.545235e-01	2.551831e-01
##	13421	13422	13423	13424	13425
##	5.771059e-01	1.159818e+00	2.514155e-01	8.902660e-01	1.348922e+00
##	13426	13427	13428	13429	13430
##	4.117609e-01	1.348108e+00	-5.332155e-01	1.293651e+00	5.695708e-01
##	13431	13432	13434	13435	13436
##	1.306259e+00	7.743561e-01	-9.392011e-01	1.154036e+00	1.286116e+00
##	13437	13438	13439	13440	13441
##	-1.439004e+00	-3.403791e-01	1.429298e+00	5.236439e-01	1.249103e+00
##	13442	13443	13444	13445	13446
##	6.083314e-01	5.582680e-01	4.007562e-01	8.714281e-01	1.242370e+00
##	13447	13448	13449	13450	13451
##	1.229903e-01	-6.992702e-01	9.178964e-02	1.287421e+00	1.090155e+00
##	13452	13453	13454	13455	13456
##	-1.454074e+00	5.431977e-01	-3.118464e-01	-1.068440e+00	-9.618066e-01
##	13457	13458	13459	13460	13461
##	3.856859e-01	-4.568131e-02	-4.568131e-02	7.479830e-01	5.552230e-01
##	13462	13463	13464	13465	13466
##	5.552230e-01	5.552230e-01	8.659473e-01	1.082620e+00	1.079200e-01
##	13467	13468	13469	13471	13472
##	2.863716e-01	4.959470e-01	5.476878e-01	9.916648e-01	7.295172e-02
##	13473	13474	13475	13476	13477
##	2.062045e-01	1.215997e+00	5.676498e-01	4.335017e-01	1.299129e+00
##	13478	13479	13481	13482	13483
##	5.401527e-01	8.508769e-01	5.744231e-01	5.871921e-01	3.590147e-01
##	13484	13485	13486	13487	13488
##	1.295362e+00	5.601146e-01	4.259665e-01	1.060014e+00	-1.093999e+00
##	13489	13490	13491	13492	13493
##	5.788138e-02	-3.271007e-01	-7.205440e-02	8.299847e-01	1.382764e+00
##	13494	13495	13496	13497	13498
##	1.203892e+00	7.334012e-01	-7.276366e-01	5.758894e-01	5.488119e-01
##	13499	13500	13501	13502	13503
##	-7.407136e-01	-7.646501e-01	-8.784441e-01	1.196357e+00	5.055218e-01
##	13504	13505	13506	13507	13508
##	5.055218e-01	6.603499e-01	4.657863e-02	4.657863e-02	-8.683401e-01
##	13509	13510	13511	13512	13513
##	-3.968929e-01	4.071286e-01	1.072494e+00	8.245038e-01	1.222067e+00
##	13514	13515	13516	13517	13519
##	3.904346e-02	-2.197828e-02	4.033610e-01	4.235299e-01	-9.465990e-02
##	13520	13521	13522	13523	13524
##	5.062444e-01	7.107957e-01	-1.121186e+00	1.074917e+00	3.686946e-01
##	13525	13526	13528	13529	13530
##	1.385453e+00	7.484118e-01	-9.048172e-01	8.183049e-01	-3.610090e-01
##	13531	13532	13533	13534	13536
##	1.070061e+00	6.339768e-01	4.177690e-01	-1.097302e-01	4.356657e-01
##	13537	13538	13539	13540	13541
##	2.669615e-01	1.206840e+00	6.801665e-01	3.882711e-01	1.247197e+00
##	13542	13543	13544	13545	13546
##	1.195694e+00	5.216770e-01	1.064867e+00	4.716136e-01	5.111360e-01
##	13547	13548	13549	13550	13551



##	-3.834305e-01	3.928988e-02	-6.349403e-01	1.459231e-01	1.042353e+00
##	13552	13553	13554	13555	13557
##	6.881902e-01	5.073685e-01	4.281305e-01	7.295738e-01	5.135201e-03
##	13558	13559	13560	13561	13562
##	4.256867e-01	1.003501e+00	1.043023e+00	-1.177946e+00	2.798713e-02
##	13563	13564	13565	13566	13567
##	1.048544e+00	1.492806e+00	6.650961e-01	6.650961e-01	1.806930e+00
##	13568	13569	13570	13571	13572
##	-1.666807e+00	3.385539e-01	8.660019e-01	4.527757e-01	4.527757e-01
##	13573	13574	13575	13576	13580
##	4.922981e-01	7.659358e-01	4.490081e-01	-1.476244e+00	6.537934e-01
##	13581	13582	13583	13584	13585
##	6.537934e-01	6.537934e-01	6.537934e-01	1.795627e+00	5.080728e-01
##	13586	13587	13588	13589	13590
##	2.798955e-01	6.618171e-01	-1.681877e+00	-6.650809e-01	2.839611e-01
##	13591	13592	13593	13594	13595
##	1.691794e+00	-2.500547e-02	-1.177700e+00	3.159484e-01	1.283988e+00
##	13596	13597	13598	13599	13600
##	1.175915e+00	9.733599e-01	1.007211e+00	-9.575634e-01	4.764659e-01
##	13601	13602	13603	13604	13605
##	4.264026e-01	5.812306e-01	-1.574637e+00	2.318545e-01	-9.474593e-01
##	13606	13607	13608	13609	13610
##	-3.089944e-01	3.084132e-01	9.971423e-01	2.610576e-01	4.726984e-01
##	13611	13612	13613	13614	13615
##	6.429792e-01	-5.214014e-01	1.289898e+00	3.242417e-01	1.552202e+00
##	13617	13618	13619	13620	13621
##	-1.641029e-02	2.971105e-01	1.551960e+00	1.313869e+00	1.099202e+00
##	13622	13623	13624	13625	13626
##	1.532181e+00	1.278595e+00	6.161175e-01	1.171099e+00	-9.662973e-01
##	13627	13628	13629	13630	13631
##	1.083793e+00	4.195900e-01	7.569337e-01	4.433195e-01	1.167331e+00
##	13632	13633	13634	13635	13637
##	6.241412e-01	8.635670e-01	2.858077e-01	6.085824e-01	4.000295e-01
##	13638	13639	13640	13641	13642
##	-5.891373e-02	1.057669e+00	7.131896e-01	1.541975e+00	6.048148e-01
##	13643	13644	13645	13646	13649
##	1.171031e+00	1.746649e+00	8.094882e-01	7.493986e-01	-8.537411e-01
##	13650	13651	13652	13653	13654
##	-3.901579e-02	1.529354e+00	1.394358e-01	9.796390e-01	6.090709e-01
##	13655	13656	13657	13658	13659
##	-8.612763e-01	-5.553097e-01	7.018868e-01	1.765394e-01	1.731578e+00
##	13660	13661	13662	13663	13664
##	1.105272e+00	4.207140e-01	-9.926704e-01	2.865659e-01	-5.628449e-01
##	13665	13666	13667	13668	13670
##	1.281331e-01	5.977682e-01	4.274873e-01	3.377085e-01	2.903139e-01
##	13671	13672	13673	13674	13675
##	4.131788e-01	2.790307e-01	-4.118040e-01	6.868165e-01	4.199522e-01
##	13676	13677	13678	13679	13680
##	4.199522e-01	9.469295e-01	-5.741476e-01	2.518994e-01	5.746741e-01
##	13681	13682	13683	13684	13685
##	2.045438e-01	4.161846e-01	3.661212e-01	1.129655e+00	5.864654e-01
##	13686	13687	13689	13690	13691
##	1.086434e+00	6.278491e-01	9.556068e-01	-1.248470e+00	-9.115859e-01
##	13692	13693	13694	13695	13698

##	-4.815717e-01	1.229616e+00	2.972063e-01	-1.613789e-01	9.318591e-01
##	13699	13700	13701	13702	13703
##	-5.002256e-01	2.601928e-01	1.190642e+00	6.679786e-01	5.596038e-01
##	13704	13705	13706	13707	13708
##	1.038921e+00	3.510509e-01	-5.039932e-01	-1.287206e+00	-3.843461e-01
##	13709	13710	13711	13712	13713
##	3.973467e-01	9.180230e-01	1.083971e+00	4.983437e-01	9.262280e-01
##	13714	13715	13716	13717	13718
##	-5.115284e-01	-1.355763e+00	-1.779835e+00	6.566758e-01	1.781707e-01
##	13719	13720	13721	13722	13723
##	1.172204e+00	1.744031e-01	1.509352e+00	2.746008e-01	-1.037881e+00
##	13724	13725	13726	13728	13729
##	6.491406e-01	3.480059e-01	1.453062e+00	4.832734e-01	-1.304978e-01
##	13730	13731	13732	13733	13734
##	1.200257e-01	9.166785e-01	1.195708e+00	2.413353e-01	1.099447e+00
##	13735	13736	13737	13738	13739
##	1.048758e+00	2.300521e-01	5.412544e-01	-1.423520e+00	5.256955e-01
##	13740	13741	13742	13743	13744
##	-5.379015e-01	2.774272e-01	6.665117e-01	5.337192e-01	2.736596e-01
##	13745	13746	13747	13748	13749
##	-9.403956e-01	1.003858e+00	-1.256702e-01	-4.400980e-01	1.539097e+00
##	13750	13751	13752	13753	13754
##	9.899420e-01	3.521357e-01	-6.003424e-01	1.236172e+00	1.073074e+00
##	13755	13756	13757	13758	13759
##	-6.457317e-01	-6.457317e-01	-1.206700e+00	1.018618e+00	3.340596e-01
##	13760	13761	13762	13763	13764
##	3.672971e-01	1.291921e-01	-4.446275e-01	4.955548e-01	4.955548e-01
##	13765	13766	13767	13768	13769
##	1.521026e+00	1.050536e+00	2.870020e-01	-1.445082e-01	1.423862e+00
##	13770	13771	13773	13774	13775
##	1.152941e+00	5.487298e-01	2.832344e-01	-9.907051e-01	1.054236e+00
##	13776	13777	13778	13779	13780
##	9.673365e-01	1.848411e-01	-4.559302e-01	1.412801e+00	2.756992e-01
##	13781	13782	13783	13784	13785
##	4.305272e-01	1.039233e+00	-1.335125e+00	1.142962e+00	1.046701e+00
##	13786	13787	13788	13789	13790
##	9.627663e-01	3.219950e-01	3.219950e-01	6.351190e-02	4.409370e-01
##	13791	13792	13793	13794	13795
##	6.213007e-01	3.182274e-01	4.885082e-01	-5.868801e-01	9.552312e-01
##	13797	13798	13800	13801	13802
##	-9.856066e-01	1.292980e+00	4.809730e-01	9.586467e-01	1.002606e+00
##	13803	13804	13805	13806	13807
##	2.963837e-01	8.395735e-01	-1.746488e-01	-1.754624e-01	1.393721e+00
##	13808	13809	13810	13811	13812
##	-3.320177e-01	1.520364e+00	5.185891e-01	4.734379e-01	-8.792251e-01
##	13813	13814	13815	13816	13817
##	-2.668713e-01	-1.870257e+00	8.238334e-01	2.147020e-01	2.888486e-01
##	13818	13819	13820	13821	13822
##	-1.000677e+00	1.537493e+00	4.541114e-01	4.541114e-01	2.058431e-01
##	13823	13824	13825	13826	13827
##	-1.867652e-01	4.503438e-01	7.939992e-02	2.918543e-01	7.849807e-01
##	13828	13829	13830	13831	13832
##	2.813134e-01	2.813134e-01	4.621351e-01	-9.989027e-01	-8.942955e-01
##	13833	13834	13835	13836	13837

##	1.106963e+00	9.747115e-01	5.511834e-01	1.584643e+00	9.250905e-01
##	13838	13839	13840	13841	13842
##	3.890838e-01	1.945403e-01	5.474159e-01	1.133025e+00	1.006071e+00
##	13843	13844	13845	13846	13847
##	2.304882e-01	1.907727e-01	1.358625e-01	1.320949e-01	-5.086764e-01
##	13848	13849	13850	13851	13852
##	-6.172047e-01	1.360055e+00	4.315059e-01	4.432972e-01	4.432972e-01
##	13853	13854	13855	13856	13857
##	4.432972e-01	-2.085571e-01	-1.150909e+00	5.361131e-01	2.349783e-01
##	13858	13859	13860	13861	13862
##	7.899252e-01	4.239707e-01	5.685545e-01	9.062526e-01	-1.818940e+00
##	13863	13864	13865	13866	13867
##	-6.285075e-01	5.790603e-02	7.861576e-01	1.770261e-01	5.381674e-01
##	13868	13869	13870	13871	13872
##	9.024850e-01	4.319944e-01	2.116503e-01	4.319944e-01	1.078913e+00
##	13873	13874	13875	13876	13877
##	-3.772287e-01	4.164356e-01	1.104209e+00	7.510725e-01	7.905949e-01
##	13878	13879	13880	13881	13882
##	1.075145e+00	8.949498e-01	2.541785e-01	2.541785e-01	8.612573e-02
##	13883	13884	13885	13887	13888
##	4.206917e-01	1.069287e+00	1.333682e+00	1.965799e-01	4.169241e-01
##	13889	13890	13891	13892	13893
##	-2.349302e-01	2.693399e-01	2.594123e-01	1.329914e+00	6.060386e-01
##	13894	13895	13896	13897	13898
##	2.428757e-01	1.314325e-01	9.818667e-02	5.059724e-01	1.021500e+00
##	13899	13900	13901	13902	13903
##	1.456315e+00	1.085371e+00	8.798795e-01	2.285672e-01	-6.659993e-01
##	13904	13905	13906	13907	13908
##	-6.659993e-01	-1.449212e+00	5.985035e-01	8.761119e-01	4.984373e-01
##	13909	13910	13911	13912	13913
##	3.900625e-01	7.697427e-01	2.443419e-01	7.406114e-02	1.048772e+00
##	13914	13915	13916	13917	13918
##	1.048772e+00	7.522493e-01	3.862949e-01	1.255574e+00	1.777420e-01
##	13919	13920	13921	13922	13923
##	8.757598e-01	1.314602e+00	-4.111370e-01	1.524361e+00	1.027793e+00
##	13924	13925	13926	13927	13928
##	5.872007e-01	1.294823e+00	1.307309e+00	9.054332e-01	3.787597e-01
##	13929	13930	13931	13932	13933
##	1.520594e+00	1.859997e-01	4.967240e-01	5.233435e-01	7.611191e-01
##	13935	13936	13937	13938	13939
##	3.905510e-01	3.905510e-01	7.133966e-01	3.250349e-01	-6.848372e-01
##	13940	13941	13942	13943	13944
##	7.409466e-01	4.833669e-01	5.195759e-01	-1.083564e+00	-2.658844e-01
##	13945	13946	13947	13948	13949
##	8.240789e-01	1.428178e+00	1.115625e+00	3.830159e-01	2.127350e-01
##	13950	13951	13952	13953	13954
##	3.174997e-01	1.242799e-01	4.243995e-01	8.497388e-01	1.589041e-01
##	13955	13956	13957	13958	13959
##	3.792483e-01	-5.764929e-01	-1.228829e+00	4.720642e-01	7.179401e-02
##	13960	13961	13962	13963	13964
##	1.057673e+00	9.875919e-01	8.792171e-01	8.459712e-01	8.459712e-01
##	13965	13966	13967	13968	13969
##	3.754807e-01	9.186705e-01	9.186705e-01	1.024076e+00	6.945587e-01
##	13970	13971	13972	13973	13974

##	1.908914e-01	-2.809548e-01	1.018631e+00	1.288229e+00	4.741185e-01
##	13975	13977	13978	13979	13980
##	7.385136e-01	2.104337e-01	1.014864e+00	8.679143e-01	1.002054e+00
##	13981	13982	13983	13984	13986
##	3.641779e-01	7.265460e-01	-1.230028e+00	1.280694e+00	1.795886e-01
##	13987	13988	13989	13991	13992
##	1.003507e-01	3.448515e-01	3.448515e-01	6.794884e-01	-7.187455e-01
##	13993	13994	13995	13996	13997
##	-5.824949e-02	-5.990984e-01	-1.828476e+00	-1.931595e-01	9.997935e-01
##	13998	13999	14000	14001	14002
##	4.456911e-01	4.456911e-01	9.035330e-01	6.995031e-01	-3.739519e-02
##	14003	14004	14005	14006	14007
##	8.128655e-01	7.159081e-01	-1.485828e+00	7.132289e-01	1.059096e+00
##	14008	14009	14010	14011	14012
##	7.974569e-01	1.467848e+00	3.378048e-01	-5.287060e-04	1.250795e+00
##	14013	14014	14015	14016	14017
##	1.464080e+00	8.377737e-01	7.046054e-01	1.250553e+00	8.007602e-01
##	14018	14019	14020	14021	14022
##	3.302697e-01	-8.341109e-01	1.826855e-01	3.147108e-01	8.809275e-01
##	14023	14024	14025	14026	14027
##	6.970702e-01	7.969926e-01	2.609859e-01	-1.928200e+00	9.734204e-01
##	14028	14029	14030	14031	14032
##	8.376167e-01	3.109432e-01	6.933026e-01	3.227345e-01	6.455801e-01
##	14033	14034	14035	14036	14037
##	3.227345e-01	6.794310e-01	-8.416461e-01	-8.416461e-01	3.071756e-01
##	14038	14039	14040	14042	14043
##	1.528025e-02	7.864924e-01	9.683297e-01	9.675621e-01	1.127206e+00
##	14044	14045	14046	14047	14048
##	9.658853e-01	3.034080e-01	8.704383e-01	3.603506e-01	-1.515969e+00
##	14049	14050	14051	14052	14053
##	-1.543402e+00	-1.279007e+00	1.228190e+00	1.168920e+00	7.819223e-01
##	14054	14055	14056	14058	14059
##	1.411509e-01	3.114317e-01	-7.639565e-01	1.224422e+00	8.114006e-01
##	14060	14061	14062	14063	14064
##	2.421480e-01	-1.286542e+00	-1.300414e+00	6.755531e-01	1.021420e+00
##	14065	14066	14067	14068	14069
##	8.583220e-01	9.160078e-01	6.768056e-01	-1.190387e+00	-1.421452e+00
##	14070	14071	14072	14073	14074
##	-1.695061e-01	9.494918e-01	4.063020e-01	4.329215e-01	7.706195e-01
##	14075	14076	14077	14078	14079
##	7.706195e-01	2.346128e-01	-1.531039e+00	-4.401801e-01	-1.307949e+00
##	14080	14081	14082	14083	14084
##	3.929449e-01	-1.732737e-01	9.457242e-01	4.291539e-01	1.260806e-01
##	14085	14086	14087	14088	14089
##	6.692704e-01	-7.790269e-01	-6.593798e-01	7.336568e-01	1.209352e+00
##	14090	14091	14092	14093	14094
##	6.467570e-01	7.601193e-01	3.377451e-01	6.154394e-01	-1.538574e+00
##	14095	14096	14097	14098	14099
##	-7.827944e-01	-6.631474e-01	9.223002e-01	9.710185e-01	8.432516e-01
##	14100	14101	14102	14103	14104
##	7.563518e-01	8.142270e-01	1.356649e+00	9.357446e-01	7.887951e-01
##	14105	14106	14107	14108	14109
##	3.302099e-01	6.471449e-02	9.319770e-01	9.988144e-01	2.694998e-01
##	14110	14111	14112	14114	14115

##	8.365301e-01	8.066918e-01	3.264423e-01	1.110103e-01	6.094690e-02
##	14116	14117	14118	14119	14120
##	6.094690e-02	6.379876e-01	-4.329016e-04	1.194281e+00	-1.043981e-01
##	14121	14122	14123	14124	14125
##	3.226747e-01	6.342200e-01	1.200117e-01	1.200117e-01	1.345346e+00
##	14126	14128	14129	14130	14132
##	7.442464e-01	2.737559e-01	-1.320450e+00	1.316915e+00	9.970752e-02
##	14133	14134	14135	14136	14137
##	6.266848e-01	1.170493e+00	-3.826796e-01	6.378772e-01	1.182979e+00
##	14138	14139	14140	14141	14142
##	8.539902e-02	3.590367e-01	8.168785e-01	7.661896e-01	1.176211e+00
##	14143	14144	14145	14146	14148
##	2.624532e-01	8.163143e-02	-1.231831e+00	-9.019275e-01	9.762089e-01
##	14149	14150	14151	14152	14153
##	3.903906e-01	2.468943e-01	9.408778e-01	9.080483e-01	2.586856e-01
##	14154	14155	14156	14157	14158
##	2.586856e-01	-1.572483e+00	-7.964798e-02	9.072808e-01	3.000692e-01
##	14159	14160	14161	14162	14163
##	7.254085e-01	2.549180e-01	5.777636e-01	6.172860e-01	1.073338e-01
##	14164	14165	14166	14167	14168
##	-1.353160e+00	1.322741e+00	1.167908e+00	6.053135e-01	1.164908e+00
##	14169	14170	14171	14172	14173
##	1.264831e+00	7.216409e-01	2.511504e-01	-1.243133e+00	-1.474198e+00
##	14174	14175	14176	14177	14178
##	8.980688e-01	7.710201e-02	-1.383064e-01	7.473516e-01	3.764077e-01
##	14179	14180	14181	14182	14183
##	6.809107e-01	1.256528e+00	7.599592e-01	9.158299e-01	5.965441e-01
##	14184	14185	14186	14187	14188
##	8.867660e-01	6.957321e-01	3.326636e-01	7.909013e-01	6.066482e-01
##	14189	14190	14191	14192	14193
##	6.579926e-02	6.579926e-02	2.360801e-01	-1.985303e+00	6.733755e-01
##	14194	14195	14196	14197	14198
##	9.498358e-01	1.048231e+00	3.384855e-01	6.028806e-01	1.196831e-02
##	14199	14200	14201	14202	14203
##	-2.774717e-02	-5.769107e-01	2.167536e-01	2.167536e-01	2.399361e-02
##	14204	14205	14206	14207	14208
##	6.990354e-01	6.990354e-01	1.672239e+00	-3.174898e-01	8.440242e-01
##	14209	14210	14211	14212	14213
##	-1.571443e-01	-1.571443e-01	6.952678e-01	-1.127886e+00	-9.019254e-02
##	14214	14215	14216	14218	14219
##	5.915779e-01	6.915003e-01	8.588859e-01	4.018801e-02	5.714053e-01
##	14220	14221	14222	14223	14224
##	9.347655e-01	3.138256e-01	3.500346e-01	1.131000e+00	5.878103e-01
##	14225	14226	14227	14228	14229
##	6.877327e-01	-3.102030e-03	5.973032e-02	8.641605e-01	5.676377e-01
##	14230	14231	14233	14234	14235
##	-1.684471e-01	6.839651e-01	1.479584e-01	3.265284e-02	7.566643e-01
##	14236	14237	14238	14239	14240
##	-1.014953e-01	5.813635e-01	5.813635e-01	5.813635e-01	-1.248590e-01
##	14241	14242	14243	14244	14245
##	8.649066e-01	8.649066e-01	7.298185e-01	-1.180857e-01	6.734649e-01
##	14246	14247	14248	14249	14250
##	7.607606e-01	1.274530e+00	3.121124e-01	5.765075e-01	-1.440478e-02
##	14251	14252	14253	14254	14255

##	1.118930e+00	7.569931e-01	6.726623e-01	1.366556e-01	-1.268175e+00
##	14256	14257	14258	14259	14260
##	8.490902e-01	1.115162e+00	5.525673e-01	1.328447e+00	2.435555e-01
##	14261	14262	14263	14264	14265
##	1.112162e+00	4.378300e-01	1.206652e+00	1.120006e+00	1.120006e+00
##	14266	14267	14268	14269	14270
##	7.829777e-01	1.291205e-01	7.378264e-01	1.946366e-01	6.613596e-01
##	14271	14272	14273	14274	14275
##	5.475655e-01	-1.369236e-01	9.991084e-01	5.412646e-01	1.220846e+00
##	14276	14277	14278	14279	14280
##	8.205754e-01	7.415269e-01	8.364642e-01	3.198940e-01	2.322527e-01
##	14281	14283	14284	14285	14286
##	1.100859e+00	-3.324270e-02	-5.532077e-01	1.254924e+00	6.429860e-01
##	14287	14288	14289	14290	14291
##	8.655262e-01	7.385729e-01	7.377593e-01	-8.920544e-01	1.096324e+00
##	14292	14293	14294	14296	14297
##	1.224728e+00	9.236918e-01	3.724484e-01	1.795663e-01	9.285495e-03
##	14298	14299	14300	14301	14302
##	5.524753e-01	-1.255422e-03	-8.049335e-02	1.092557e+00	6.906809e-01
##	14303	14304	14305	14306	14307
##	-2.061229e-01	1.305841e+00	6.433242e-01	2.209500e-01	5.463668e-01
##	14308	14309	14310	14311	14312
##	6.534723e-01	7.189885e-01	-1.625348e-01	1.188711e+00	1.205775e+00
##	14313	14315	14316	14317	14318
##	5.425993e-01	-9.033571e-01	-1.422175e+00	-1.429387e-01	-7.837101e-01
##	14319	14320	14321	14322	14323
##	8.857869e-01	6.357891e-01	7.230848e-01	2.134148e-01	6.387541e-01
##	14324	14325	14326	14327	14328
##	1.027474e-01	-1.662905e+00	6.055590e-01	1.527047e-01	6.898967e-01
##	14329	14330	14331	14332	14334
##	5.374049e-01	-9.556369e-02	-5.758132e-01	-9.998846e-01	9.727353e-01
##	14335	14336	14337	14338	14339
##	1.489371e-01	1.489371e-01	-2.211932e-01	8.933377e-01	-4.382290e-02
##	14340	14341	14342	14343	14344
##	6.312189e-01	-2.009334e-02	6.770723e-01	1.014449e+00	8.391531e-01
##	14345	14346	14347	14348	14349
##	7.121998e-01	6.244863e-01	6.274513e-01	7.001506e-01	-6.338338e-02
##	14350	14351	14352	14353	14354
##	9.144462e-02	5.193289e-01	7.001506e-01	8.055560e-01	1.069951e+00
##	14355	14356	14357	14358	14359
##	5.073563e-01	8.707165e-01	6.680754e-01	7.084322e-01	7.084322e-01
##	14360	14361	14363	14364	14365
##	7.076186e-01	6.236837e-01	-5.871159e-01	5.035888e-01	9.705737e-01
##	14366	14367	14368	14369	14370
##	2.460091e-01	8.316179e-01	7.042469e-01	-2.085518e-02	-1.655442e-01
##	14371	14372	14373	14374	14375
##	7.963440e-01	6.053101e-01	8.631814e-01	7.000834e-01	6.161486e-01
##	14378	14379	14380	14381	14382
##	-1.686324e+00	7.942532e-01	1.058648e+00	9.993783e-01	9.993783e-01
##	14383	14384	14385	14386	14387
##	-2.400312e-01	1.271933e+00	7.912532e-01	4.647361e-01	7.637429e-02
##	14388	14389	14390	14391	14392
##	6.195641e-01	-5.107774e-01	-2.730018e-01	5.097794e-01	7.888088e-01
##	14393	14394	14395	14396	14397

##	1.154803e+00	6.582344e-01	1.832741e-01	6.086134e-01	1.381229e-01
##	14398	14399	14400	14401	14402
##	-3.215793e-02	-3.215793e-02	1.205946e+00	1.051113e+00	4.885184e-01
##	14403	14404	14405	14406	14407
##	6.895943e-01	1.181281e+00	5.049234e-01	5.716507e-01	1.147268e+00
##	14408	14409	14410	14411	14412
##	6.506992e-01	-2.513339e-01	6.850131e-01	3.234698e-01	7.426989e-01
##	14413	14414	14415	14416	14417
##	6.010782e-01	4.534333e-01	-5.023402e-02	-1.699649e-02	-2.077458e-01
##	14418	14419	14420	14421	14422
##	1.150288e-01	5.943456e-01	6.522208e-01	8.028024e-01	5.973106e-01
##	14423	14424	14426	14427	14428
##	9.094356e-01	7.990348e-01	-9.729164e-02	-9.523357e-01	4.734481e-01
##	14429	14430	14431	14432	14433
##	3.121670e-01	6.741062e-01	7.952672e-01	-1.010592e-01	4.759814e-01
##	14434	14435	14436	14437	14438
##	6.699428e-01	-3.541177e-01	1.270818e+00	2.216904e-01	6.192538e-01
##	14439	14440	14441	14442	14443
##	4.722139e-01	-8.507647e-01	7.624357e-01	1.241792e+00	6.154862e-01
##	14444	14445	14446	14447	14448
##	1.011636e+00	-3.031425e-01	-1.482456e+00	1.238025e+00	-3.616529e-01
##	14449	14450	14451	14452	14453
##	7.839645e-01	1.079822e-01	-1.353056e+00	4.583777e-01	9.242331e-02
##	14454	14455	14456	14457	14458
##	-2.777070e-01	5.717401e-01	2.370071e-01	1.493659e-01	1.042146e-01
##	14459	14460	14461	14462	14463
##	3.869845e-02	4.609111e-01	2.192590e-01	7.511330e-01	1.418164e+00
##	14464	14465	14466	14467	14468
##	1.117127e+00	1.117127e+00	1.455983e-01	1.114127e+00	5.709376e-01
##	14469	14470	14471	14472	14473
##	4.571435e-01	1.048402e+00	8.573681e-01	7.159264e-01	8.488814e-02
##	14474	14475	14476	14477	14478
##	7.788717e-01	1.143606e+00	1.418307e-01	4.195251e-01	4.195251e-01
##	14479	14480	14481	14482	14483
##	3.116328e-02	5.743531e-01	6.398692e-01	3.361052e-01	-1.397604e+00
##	14484	14485	14486	14487	14488
##	1.164502e+00	1.046311e+00	7.435978e-01	1.894954e-01	7.050231e-01
##	14489	14491	14492	14493	14494
##	6.183126e-01	4.157575e-01	-1.888121e-01	1.005902e+00	-7.163113e-01
##	14495	14496	14497	14498	14499
##	2.820264e-01	6.443833e-01	6.439655e-01	1.953173e-01	5.928807e-01
##	14500	14501	14502	14503	14504
##	4.620533e-01	2.362811e-02	3.285700e-01	-5.635236e-01	-6.511649e-01
##	14505	14506	14507	14508	14509
##	5.264397e-01	4.395398e-01	-1.695916e-01	1.132303e+00	4.082223e-01
##	14510	14511	14512	14513	14514
##	8.537669e-02	7.339719e-01	8.936160e-01	6.360345e-01	-3.011261e-01
##	14515	14516	14517	14518	14519
##	6.070098e-01	8.160911e-02	-5.976783e-01	1.149432e+00	8.219670e-01
##	14520	14521	14522	14523	14524
##	1.744250e-01	1.003211e+00	5.483320e-01	5.483320e-01	-1.425026e-01
##	14525	14526	14527	14529	14530
##	6.210313e-01	6.210313e-01	9.943574e-01	-9.620687e-02	1.183350e+00
##	14531	14532	14534	14535	14537

##	7.255060e-01	6.895533e-01	-1.105154e-01	-1.400041e+00	5.261909e-01
##	14538	14539	14540	14541	14542
##	-3.153828e-01	5.340643e-01	7.159015e-01	6.548798e-01	1.080219e+00
##	14543	14544	14545	14546	14547
##	5.370293e-01	1.134362e+00	7.134571e-01	5.828827e-01	7.449635e-01
##	14548	14549	14550	14551	14552
##	5.332617e-01	-1.180505e-01	-7.464520e-01	-7.464520e-01	1.189046e+00
##	14553	14554	14555	14556	14557
##	4.213717e-01	4.157001e-01	1.518195e-01	4.344472e-02	-2.484507e-01
##	14558	14559	14560	14561	14562
##	1.003873e-01	2.946618e-01	-6.240514e-01	-1.538970e+00	-7.539872e-01
##	14563	14564	14565	14566	14567
##	-1.530828e-01	6.398095e-01	-1.188124e-01	-1.293533e-01	5.946582e-01
##	14568	14569	14570	14571	14572
##	5.946582e-01	9.519732e-01	-3.634238e-01	-1.542738e+00	-1.060434e-01
##	14573	14575	14576	14577	14578
##	1.119291e+00	8.597078e-01	6.983868e-01	5.073529e-01	5.625831e-01
##	14579	14580	14581	14582	14583
##	5.152264e-01	-1.225800e-01	3.980964e-01	1.405168e-01	7.261255e-01
##	14584	14585	14586	14587	14588
##	4.145014e-01	4.393327e-02	-2.158290e-02	5.871230e-01	8.521726e-01
##	14589	14590	14591	14592	14593
##	1.170208e+00	1.053846e+00	-1.801785e-01	5.833555e-01	-1.035223e+00
##	14594	14595	14596	14597	14598
##	-3.747266e-01	-1.554040e+00	-1.554040e+00	-3.885982e-01	6.485093e-01
##	14599	14600	14601	14602	14603
##	1.083324e+00	5.401345e-01	5.795879e-01	7.148228e-01	1.079557e+00
##	14604	14605	14606	14608	14609
##	-3.288566e-02	-3.288566e-02	8.152460e-01	7.895516e-01	9.456208e-01
##	14610	14611	14612	14613	14614
##	1.707163e-02	4.963884e-01	7.048452e-01	7.048452e-01	1.616554e-01
##	14615	14617	14618	14619	14620
##	-2.621704e-01	5.803343e-01	4.955859e-01	4.955859e-01	-4.042082e-02
##	14621	14622	14623	14624	14625
##	-1.557264e-01	9.256001e-01	-9.306458e-01	1.092918e+00	8.333347e-01
##	14626	14627	14628	14629	14630
##	-2.823589e-01	1.541203e-01	1.089151e+00	6.682461e-01	9.378436e-01
##	14631	14632	14633	14634	14635
##	6.059012e-01	3.404058e-01	1.756018e-02	9.340761e-01	1.143835e+00
##	14636	14637	14638	14639	14640
##	6.959849e-01	-3.689426e-01	6.259038e-01	5.175290e-01	6.897749e-01
##	14641	14643	14644	14645	14646
##	6.516688e-01	5.569824e-01	-6.388753e-01	1.081616e+00	1.026705e+00
##	14647	14648	14649	14650	14651
##	8.259438e-01	-3.727102e-01	6.221362e-01	3.805931e-01	-1.602558e-01
##	14652	14653	14654	14655	14656
##	1.002501e-02	3.667215e-01	9.265409e-01	5.263690e-01	-2.487109e-01
##	14657	14658	14659	14660	14661
##	5.099938e-01	6.822397e-01	6.257423e-03	-2.140867e-01	-7.340517e-01
##	14662	14663	14664	14665	14666
##	-3.087124e-01	-1.601820e+00	-3.320761e-01	1.220284e+00	6.576895e-01
##	14667	14668	14669	14670	14671
##	3.566530e-01	5.226014e-01	1.953719e-01	8.599777e-01	6.846821e-01
##	14672	14673	14674	14675	14676



##	4.729804e-01	2.489839e-03	3.591863e-01	-2.575698e-01	-3.358437e-01
##	14677	14678	14679	14680	14681
##	8.107292e-01	7.408218e-01	3.528854e-01	6.480850e-01	5.024587e-01
##	14682	14683	14684	14686	14687
##	4.692128e-01	4.692128e-01	4.692128e-01	-1.277745e-03	3.666112e-01
##	14689	14690	14691	14692	14693
##	4.546068e-01	1.312672e+00	1.011635e+00	-2.095966e-01	6.709370e-01
##	14694	14695	14696	14697	14698
##	5.832957e-01	4.654452e-01	-1.357708e+00	1.036349e+00	9.114706e-01
##	14699	14700	14701	14702	14703
##	6.104340e-01	-2.637812e-01	-2.133642e-01	5.795281e-01	-1.790937e-01
##	14704	14705	14706	14707	14708
##	8.916918e-01	3.590760e-01	6.397823e-01	6.381054e-01	6.066664e-01
##	14709	14710	14711	14712	14713
##	6.252957e-01	5.306093e-01	3.102651e-01	5.306093e-01	-1.258050e-02
##	14714	14715	14716	14717	14718
##	-6.644348e-01	6.343379e-01	3.378150e-01	-2.813938e-02	1.164444e-01
##	14719	14720	14721	14722	14723
##	5.719929e-01	5.719929e-01	-1.634808e-02	-1.091736e+00	-3.942041e-01
##	14724	14726	14727	14728	14729
##	6.322471e-01	9.316068e-01	1.026811e+00	9.935646e-01	5.230741e-01
##	14730	14731	14732	14733	14734
##	3.302799e-01	5.305421e-01	5.305421e-01	5.309380e-01	2.126799e-02
##	14735	14736	14737	14738	14739
##	4.466073e-01	-2.388325e-02	4.537904e-01	-2.388325e-02	-2.839429e-01
##	14740	14741	14742	14743	14744
##	-2.839429e-01	-7.641924e-01	6.247119e-01	6.247119e-01	6.230351e-01
##	14745	14746	14747	14748	14749
##	4.320012e-01	9.890295e-01	6.898725e-01	-3.944214e-02	-3.944214e-02
##	14750	14751	14752	14753	14754
##	5.275882e-01	4.977499e-01	1.750041e-02	4.428397e-01	4.428397e-01
##	14755	14756	14757	14758	14759
##	2.951948e-01	2.117749e-01	-4.564147e-01	7.805885e-01	3.227447e-01
##	14760	14761	14762	14763	14764
##	7.845004e-01	5.230070e-01	2.218435e-01	4.723180e-01	-3.141842e-02
##	14765	14766	14767	14769	14770
##	5.117714e-01	5.117714e-01	1.036405e+00	6.200137e-01	5.200530e-01
##	14771	14772	14773	14774	14775
##	4.323395e-01	4.353045e-01	-6.870403e-01	-3.501559e-01	-4.130420e-01
##	14776	14777	14778	14779	14780
##	7.217350e-01	5.154718e-01	1.116347e+00	-2.592978e-01	-2.123028e-01
##	14781	14782	14783	14784	14785
##	-4.538458e-01	2.630719e-01	8.740367e-01	8.740367e-01	8.775623e-01
##	14786	14787	14788	14789	14791
##	-5.451247e-02	-3.464078e-01	5.121001e-01	5.693900e-01	3.196469e-01
##	14792	14793	14794	14795	14796
##	3.196469e-01	3.251677e-01	1.025102e+00	5.009474e-02	-2.510400e-01
##	14797	14798	14799	14800	14801
##	1.108812e+00	4.789120e-01	4.240018e-01	5.913874e-01	-2.273105e-01
##	14802	14803	14804	14805	14806
##	6.004296e-01	4.093957e-01	1.267461e+00	-4.321780e-01	9.966698e-01
##	14807	14808	14809	14811	14812
##	4.534801e-01	-5.105098e-03	8.635016e-01	8.662595e-01	-3.577106e-01
##	14813	14815	14816	14817	14818

##	6.281683e-01	2.688217e-01	-5.402393e-02	8.464808e-01	5.614554e-01
##	14819	14820	14821	14822	14823
##	7.996964e-01	7.500099e-02	5.305495e-01	3.127766e-01	-2.386132e-01
##	14824	14825	14826	14827	14828
##	-2.401486e+00	1.256158e+00	7.595890e-01	4.533231e-01	-2.661104e-01
##	14829	14830	14831	14832	14833
##	9.853671e-01	7.123341e-02	5.267819e-01	-2.091433e-01	6.953619e-01
##	14834	14835	14836	14837	14838
##	4.495556e-01	9.684174e-01	-7.711798e-02	6.168656e-01	-4.472483e-01
##	14839	14840	14841	14842	14843
##	-2.856709e-01	-3.931193e-01	3.719687e-01	4.510173e-01	-8.745499e-01
##	14844	14845	14846	14847	14848
##	1.237878e-01	5.430169e-01	4.346421e-01	-2.166785e-01	5.778241e-01
##	14849	14850	14851	14852	14853
##	8.438961e-01	5.463851e-01	7.482862e-01	-8.465315e-02	1.057181e+00
##	14854	14855	14856	14857	14858
##	4.525389e-01	9.408185e-01	-2.932060e-01	-1.383780e-01	-3.878317e-01
##	14859	14860	14861	14862	14863
##	-1.039144e+00	-5.552617e-01	3.830227e-01	5.507558e-02	-8.842073e-02
##	14864	14865	14866	14867	14868
##	1.078672e+00	2.939387e-01	2.962795e-01	8.238753e-01	9.362833e-01
##	14869	14870	14871	14872	14873
##	9.362833e-01	9.647650e-01	4.397145e-01	4.344852e-01	1.049646e+00
##	14874	14875	14876	14877	14880
##	5.239549e-02	-8.039702e-02	9.874259e-01	5.681982e-01	5.980277e-01
##	14881	14882	14883	14884	14885
##	5.041764e-01	3.863259e-01	-2.649863e-01	9.836583e-01	6.541674e-01
##	14886	14887	14888	14889	14890
##	3.717199e-01	2.662309e-01	4.321794e-01	4.374685e-01	4.158042e-01
##	14891	14892	14894	14895	14896
##	2.687643e-01	-1.582216e+00	5.589862e-01	8.285837e-01	5.904925e-01
##	14897	14898	14899	14900	14901
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##	14902	14904	14905	14906	14907
##	9.761232e-01	5.597323e-01	8.248161e-01	4.246442e-01	-1.072587e-01
##	14908	14909	14910	14911	14912
##	5.805149e-01	2.751008e-01	5.424088e-01	6.871482e-01	-6.415020e-01
##	14913	14914	14915	14916	14917
##	9.723556e-01	3.418281e-01	3.418281e-01	2.549282e-01	5.829573e-01
##	14918	14919	14920	14921	14922
##	1.030808e+00	3.682906e-01	2.736740e-01	2.236107e-01	-2.800567e-01
##	14923	14924	14925	14926	14927
##	-2.468191e-01	3.380605e-01	7.544854e-01	-4.849241e-01	4.007339e-01
##	14928	14930	14931	14932	14933
##	2.675656e-01	-3.233467e-01	-1.030025e-01	1.204183e-02	-2.605143e-01
##	14934	14935	14936	14937	14938
##	1.265857e+00	5.455927e-01	5.439158e-01	2.473930e-01	2.473930e-01
##	14939	14940	14941	14942	14943
##	6.107532e-01	8.135134e-01	8.135134e-01	3.969663e-01	2.499264e-01
##	14944	14945	14946	14947	14948
##	-1.182158e+00	-5.355340e-01	6.315619e-01	4.095738e-01	-4.924593e-01
##	14949	14950	14951	14952	14953
##	4.778033e-01	1.288880e-01	9.572852e-01	6.977016e-01	6.032180e-01
##	14954	14955	14956	14957	14958

##	-1.260966e-01	-1.260966e-01	1.848723e-02	4.740358e-01	-2.845861e-01
##	14959	14960	14961	14962	14963
##	-2.845861e-01	-1.798214e-01	-5.291975e-01	-1.708511e+00	9.535177e-01
##	14964	14965	14966	14967	14968
##	5.342899e-01	4.363525e-01	1.471964e-02	4.702682e-01	-2.883537e-01
##	14969	14970	14971	14972	14973
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##	14974	14975	14976	14977	14978
##	5.603518e-01	3.456851e-01	1.095206e-02	2.487277e-01	5.160357e-01
##	14979	14980	14981	14982	14983
##	4.213493e-01	1.175853e-01	-1.474503e+00	-1.186110e+00	3.340441e-01
##	14984	14985	14986	14987	14988
##	3.340441e-01	7.911499e-01	8.910723e-01	3.892742e-01	3.997927e-01
##	14989	14990	14991	14992	14993
##	3.781284e-01	3.781284e-01	8.880723e-01	5.122682e-01	5.229872e-01
##	14994	14995	14996	14997	14998
##	-9.348312e-01	3.743608e-01	5.466067e-01	3.416890e-03	3.416890e-03
##	14999	15000	15001	15002	15003
##	3.411149e-01	1.934700e-01	4.138142e-01	5.175427e-01	-5.150648e-01
##	15004	15005	15006	15007	15008
##	4.212822e-01	3.343823e-01	3.922575e-01	3.922575e-01	5.162196e-01
##	15009	15010	15011	15012	15013
##	7.806147e-01	7.806147e-01	-3.034240e-01	2.397658e-01	-3.139649e-01
##	15014	15015	15016	15017	15019
##	7.673615e-01	-1.603490e+00	-1.727349e+00	5.154520e-01	5.137752e-01
##	15020	15021	15022	15023	15024
##	3.041522e-01	7.798471e-01	3.668256e-01	-3.071916e-01	1.859348e-01
##	15025	15026	15027	15028	15029
##	3.407628e-01	5.116844e-01	5.768450e-01	-1.524697e-01	-3.450538e-02
##	15030	15031	15032	15033	15034
##	9.062478e-01	3.369952e-01	7.598264e-01	-6.867130e-01	9.271446e-01
##	15037	15038	15039	15040	15041
##	5.062400e-01	3.152061e-01	3.756656e-01	3.756656e-01	3.260446e-01
##	15042	15043	15044	15045	15046
##	1.783997e-01	-2.099621e-01	2.179221e-01	3.987438e-01	2.122505e-01
##	15047	15048	15049	15050	15051
##	-1.219834e+00	1.224414e+00	8.035089e-01	7.720699e-01	4.710334e-01
##	15052	15054	15055	15056	15057
##	2.223546e-01	-3.685577e-01	-2.137297e-01	-8.008814e-01	-8.885227e-01
##	15058	15059	15060	15061	15062
##	9.196094e-01	9.196094e-01	8.646992e-01	8.931809e-01	2.021820e-01
##	15063	15064	15065	15066	15067
##	5.240012e-01	4.363599e-01	8.616992e-01	3.185094e-01	3.912087e-01
##	15068	15069	15070	15071	15072
##	-3.328028e-01	3.912087e-01	6.653994e-01	6.601701e-01	3.713340e-02
##	15073	15074	15075	15076	15077
##	5.202336e-01	3.147418e-01	8.524992e-01	6.524906e-01	4.911697e-01
##	15078	15079	15080	15081	15082
##	8.571640e-01	4.956834e-01	3.605952e-01	3.605952e-01	5.226760e-01
##	15083	15084	15085	15086	15087
##	3.442201e-01	8.541640e-01	3.181573e-01	1.908793e-01	7.569996e-01
##	15088	15089	15090	15091	15092
##	5.189084e-01	5.189084e-01	-5.452055e-01	2.959823e-02	3.042416e-01
##	15093	15094	15095	15096	15097

##	1.017782e+00	-3.335647e-01	-2.288000e-01	6.488673e-01	3.583493e-01
##	15098	15099	15100	15101	15102
##	-6.087847e-02	3.366849e-01	-1.670515e-01	-2.325676e-01	1.896450e-01
##	15103	15104	15105	15106	15107
##	-8.189057e-01	-8.197193e-01	4.815437e-01	2.888330e-01	7.459389e-01
##	15108	15109	15110	15111	15112
##	1.833441e-01	-1.826103e-01	5.113732e-01	2.206306e-02	8.761071e-01
##	15113	15114	15115	15116	15117
##	-4.308787e-01	7.771359e-01	7.421713e-01	1.829548e-02	6.829013e-01
##	15118	15119	15120	15121	15122
##	7.391713e-01	8.390937e-01	-2.401028e-01	-2.401028e-01	-1.768793e+00
##	15123	15124	15125	15126	15127
##	7.750451e-01	7.384037e-01	5.657713e-01	3.417573e-01	-8.177071e-02
##	15128	15129	15130	15131	15132
##	-5.602758e-01	-6.479893e-01	8.685720e-01	-4.556171e-02	4.099868e-01
##	15133	15134	15135	15136	15137
##	7.354037e-01	1.783423e-01	-4.933241e-01	8.894687e-01	8.894687e-01
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##	5.354015e-01	-8.553829e-02	-3.866731e-01	4.672410e-01	-1.821218e-01
##	15143	15144	15145	15146	15148
##	-1.821218e-01	-1.534785e+00	-3.396336e-01	-5.204553e-01	7.308685e-01
##	15149	15150	15152	15153	15154
##	3.693496e-01	3.395114e-01	1.764787e-01	5.353636e-02	5.710317e-01
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##	1.645062e-01	5.278664e-01	3.304546e-01	3.304546e-01	-5.715786e-01
##	15160	15161	15162	15163	15164
##	2.778686e-01	3.357438e-01	7.241009e-01	1.832520e-01	-2.551731e-01
##	15165	15166	15167	15168	15169
##	2.880167e-01	4.572614e-01	4.572614e-01	1.607386e-01	3.610009e-01
##	15170	15171	15172	15173	15174
##	3.610009e-01	2.741010e-01	9.618764e-01	4.186867e-01	-1.482733e-01
##	15175	15176	15178	15179	15180
##	1.771436e-01	8.202558e-01	1.294211e-01	1.744644e-01	1.175435e+00
##	15181	15182	15183	15184	15185
##	8.479699e-01	-2.089834e-01	3.282086e-01	3.282086e-01	3.911489e-01
##	15186	15187	15188	15189	15190
##	-1.520409e-01	8.164882e-01	3.459977e-01	4.514031e-01	5.165636e-01
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##	4.484031e-01	3.027767e-01	-2.009597e-01	-2.059561e+00	8.668632e-01
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##	2.627982e-01	-9.855431e-02	8.421989e-01	4.712550e-01	1.631616e-01
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##	7.449044e-01	8.081854e-01	5.356306e-01	4.467048e-01	4.107520e-01
##	15217	15218	15219	15220	15221
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##	15222	15223	15224	15225	15226
##	4.637198e-01	-7.946996e-02	2.582281e-01	2.582281e-01	6.882423e-01
##	15227	15228	15229	15230	15232
##	-5.272323e-01	-3.598467e-01	-1.539160e+00	8.555605e-01	5.959769e-01
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##	2.436220e-01	7.007279e-01	4.391696e-01	-1.194466e-01	-2.278214e-01
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##	4.661622e-01	-4.205813e-01	2.544605e-01	3.271597e-01	6.838562e-01
##	15243	15244	15245	15246	15247
##	-1.009857e-01	8.517929e-01	4.354020e-01	4.977257e-01	7.004858e-01
##	15248	15249	15250	15251	15252
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##	15287	15288	15289	15290	15291
##	4.203317e-01	2.800143e-01	3.203710e-01	3.199533e-01	2.688684e-01
##	15292	15293	15294	15295	15296
##	2.356226e-01	-2.348680e-01	7.147638e-01	6.781224e-01	6.781224e-01
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##	2.867652e-01	3.497055e-01	-1.934843e-01	9.424304e-01	7.901779e-04
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##	8.876396e-01	2.829976e-01	8.045230e-01	2.613333e-01	1.281650e-01
##	15318	15319	15320	15321	15322
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##	15323	15324	15325	15326	15327
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##	15333	15334	15335	15336	15337
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##	15343	15344	15346	15347	15348
##	1.067582e-01	1.179506e-01	7.648540e-01	5.674422e-01	3.797680e-01
##	15349	15350	15351	15352	15353
##	3.584053e-01	7.545420e-01	8.141170e-01	3.948893e-01	3.932125e-01
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##	1.835895e-01	3.617734e-01	4.247188e-01	-6.393951e-01	2.100520e-01
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##	1.130946e-01	2.130170e-01	6.430312e-01	7.554392e-01	6.590424e-01
##	15364	15365	15366	15367	15368
##	4.209512e-01	2.939979e-01	-6.439763e-01	-6.439763e-01	3.881217e-01
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##	7.856851e-01	4.147412e-01	-2.160898e-01	-4.815852e-01	-3.267572e-01
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##	15379	15380	15381	15382	15383
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##	15389	15390	15392	15393	15394
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##	15400	15401	15402	15403	15404
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##	15405	15406	15407	15408	15409
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##	15415	15416	15417	15418	15419
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##	15425	15426	15427	15428	15429
##	8.780992e-02	6.695527e-01	6.678759e-01	6.329113e-01	4.602789e-01
##	15430	15431	15432	15433	15434
##	7.031656e-02	7.031656e-02	-1.872631e-01	2.415542e-01	2.198898e-01
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##	15447	15448	15449	15450	15451
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##	15452	15453	15454	15455	15456
##	7.802088e-01	4.261416e-01	5.297663e-01	-3.568979e-01	-3.568979e-01
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##	15468	15469	15470	15471	15472
##	5.524622e-02	3.203300e-01	-3.107082e-01	1.715736e-01	2.442729e-01
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##	7.689060e-01	3.480015e-01	7.139958e-01	7.139958e-01	3.165624e-01
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##	3.308404e-01	3.308404e-01	3.291635e-01	1.985891e-01	1.985891e-01
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##	-8.802710e-03	6.555940e-01	2.491454e-01	1.407706e-01	1.407706e-01
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##	15637	15638	15639	15640	15641
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##	15642	15643	15644	15645	15646
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##	15668	15669	15670	15672	15673
##	5.387217e-01	7.520065e-01	6.688900e-01	6.897868e-01	5.384797e-01
##	15674	15675	15676	15677	15678
##	-2.500987e-01	7.482389e-01	6.651224e-01	6.651224e-01	2.941785e-01
##	15679	15680	15681	15682	15683
##	-7.966960e-01	-1.976010e+00	2.651146e-01	1.345402e-01	4.303474e-01
##	15684	15685	15686	15687	15688
##	-2.889878e-01	-3.973626e-01	-3.973626e-01	7.444714e-01	6.830192e-01
##	15689	15690	15691	15692	15693
##	1.181651e-01	1.181651e-01	2.027697e-01	2.027697e-01	-5.663931e-01
##	15694	15695	15696	15697	15698
##	-2.640273e+00	2.630238e-01	5.172408e-02	7.031316e-02	5.274190e-01
##	15699	15700	15701	15702	15703
##	6.273414e-01	2.658607e-01	3.281844e-01	1.307726e-01	-8.589740e-01
##	15704	15705	15706	15707	15708
##	6.792516e-01	8.115160e-02	8.115160e-02	-3.893389e-01	-5.596197e-01
##	15709	15710	15711	15712	15713
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##	15714	15715	15716	15717	15718
##	6.538197e-01	1.106299e-01	2.828758e-01	-2.603140e-01	2.447697e-01
##	15719	15720	15721	15722	15723
##	-3.931065e-01	1.500833e-01	-3.641003e-02	-1.133416e+00	-2.521761e-02
##	15724	15725	15726	15727	15728
##	3.206492e-01	2.223728e-01	1.232374e-01	5.284952e-01	-4.086654e-01
##	15729	15730	15731	15732	15733
##	7.361643e-02	-8.430772e-02	9.719854e-01	2.517211e-01	-4.647855e-02
##	15734	15735	15736	15737	15738
##	4.568462e-01	-7.833769e-01	6.688384e-02	5.523853e-01	1.030947e-01
##	15739	15740	15741	15742	15743
##	6.984885e-02	-3.827362e-02	-7.389752e-01	6.671812e-01	3.376903e-01
##	15744	15745	15746	15747	15748
##	5.123486e-01	3.397162e-01	-2.716168e-01	-2.716168e-01	1.839318e-01
##	15749	15751	15752	15753	15754
##	-3.384114e-02	-4.204120e-02	-4.771278e-02	-7.193791e-01	8.096176e-01
##	15755	15756	15757	15758	15759
##	3.359486e-01	3.093465e-01	-4.199681e-01	-4.199681e-01	9.555955e-02
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##	15767	15768	15769	15770	15771
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##	2.640379e-01	5.018135e-01	-1.725187e-01	-2.666647e+00	-2.969001e-01
##	15778	15779	15780	15781	15782
##	2.366508e-01	2.349739e-01	2.535099e-02	6.009683e-01	6.009683e-01
##	15783	15784	15785	15786	15787
##	2.035349e-01	2.177619e-01	2.664803e-01	-6.706803e-01	1.395270e-01
##	15788	15789	15790	15791	15792
##	1.387134e-01	5.181350e-02	4.980459e-01	6.196160e-02	4.017248e-02
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##	4.380083e-01	1.349458e-01	7.105631e-01	4.804592e-02	1.688614e-01
##	15803	15805	15806	15807	15808
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##	15809	15810	15811	15812	15813
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##	15814	15815	15816	15817	15819
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##	15820	15821	15822	15823	15824
##	2.281849e-01	2.489675e-01	4.734900e-01	-7.180481e-01	-7.180481e-01
##	15825	15826	15827	15828	15829
##	1.028065e-02	4.859756e-01	4.859756e-01	-7.661923e-02	2.867410e-01
##	15830	15831	15832	15833	15834
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##	15835	15836	15837	15838	15839
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##	15840	15841	15842	15843	15844
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##	15850	15851	15852	15853	15854
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##	15861	15862	15863	15864	15865
##	3.699218e-01	2.086008e-01	-8.792198e-02	5.764748e-01	7.802643e-02
##	15866	15867	15868	15869	15870
##	7.802643e-02	7.802643e-02	7.279712e-02	-3.103801e-01	-7.151698e-02
##	15871	15872	15873	15875	15876
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##	15877	15878	15879	15880	15883
##	2.093470e-01	4.744308e-01	1.876212e-01	-8.285879e-01	5.670600e-01
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##	15889	15890	15892	15893	15894
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##	15895	15896	15897	15898	15899
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##	15900	15901	15902	15903	15904
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##	15905	15906	15908	15909	15910
##	2.225944e-01	5.602924e-01	4.464984e-01	6.144351e-01	2.496639e-03
##	15911	15912	15913	15914	15915
##	7.606390e-01	2.869700e-01	1.980442e-01	-6.617067e-01	4.658096e-02
##	15916	15917	15918	15919	15920
##	1.311856e-01	8.603434e-02	-2.177297e-01	-1.270945e-03	5.557573e-01
##	15921	15922	15923	15924	15925
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##	3.473163e-01	1.859953e-01	2.959980e-01	2.528327e-01	1.545563e-01
##	15931	15932	15933	15934	15935
##	-8.466122e-01	1.236504e-01	-6.455123e-01	9.041689e-01	7.493363e-01
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##	15941	15942	15943	15944	15945
##	3.527821e-02	3.527821e-02	2.075241e-01	5.452221e-01	1.801370e-01
##	15946	15947	15948	15949	15950
##	4.265645e-02	4.265645e-02	6.578169e-01	7.088402e-01	-4.722258e-01
##	15951	15952	15953	15954	15955
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##	15966	15967	15968	15969	15970
##	4.035059e-02	3.777269e-01	7.466445e-02	4.732661e-01	1.085801e-01
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##	1.671574e-01	-1.293654e-01	1.357184e-01	-3.869450e-01	-8.662637e-01
##	15983	15984	15985	15986	15987
##	4.169762e-01	5.247194e-01	1.650667e-01	4.644264e-01	2.568294e-01
##	15988	15989	15990	15991	15992
##	3.338520e-01	2.758611e-02	-3.555911e-01	6.427466e-01	3.701918e-01
##	15993	15994	15995	15997	15998
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##	15999	16000	16001	16002	16003
##	2.381853e-02	6.417528e-02	1.849186e-01	8.777958e-01	2.005094e-02
##	16004	16005	16006	16007	16008
##	6.352114e-01	6.604697e-01	3.056944e-02	8.905116e-03	1.811510e-01
##	16009	16010	16011	16012	16013
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##	16014	16015	16016	16017	16018
##	1.566008e-01	1.566008e-01	5.199610e-01	2.189244e-01	2.189244e-01
##	16019	16020	16021	16022	16023
##	2.151266e-02	1.628336e-02	5.351452e-01	5.664012e-02	5.582652e-02
##	16024	16025	16027	16028	16029
##	-3.107335e-02	6.567021e-01	2.840166e-01	-9.273628e-01	1.499963e-01
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##	16042	16043	16044	16045	16046
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##	16047	16048	16049	16050	16051
##	2.321979e-01	4.068563e-01	2.342239e-01	2.076217e-01	4.533736e-02
##	16052	16054	16055	16056	16057
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##	3.862171e-01	-8.414618e-01	5.541537e-01	5.277252e-01	2.674743e-03
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##	16094	16096	16097	16098	16099
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##	16100	16101	16102	16103	16104
##	4.879408e-01	-8.324262e-01	2.649944e-02	5.398510e-01	-1.581714e-01
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##	16115	16116	16117	16118	16119
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##	16131	16132	16133	16134	16135
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##	16136	16137	16138	16139	16140
##	3.642300e-01	1.106436e-01	4.766380e-01	-7.251678e-02	4.829873e-02
##	16141	16142	16143	16144	16145
##	3.737156e-01	-6.236868e-02	-1.896468e-01	1.101137e-02	4.453114e-02
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##	16156	16157	16159	16160	16161
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##	1.661783e-01	-3.123352e-02	2.645737e-01	3.061428e-01	1.308472e-01
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##	3.893936e-03	3.080344e-03	5.786976e-01	-8.381953e-02	6.076615e-02
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##	16214	16215	16216	16217	16218
##	4.464973e-01	4.749791e-01	4.483769e-01	1.473403e-01	3.501005e-01
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##	5.523246e-01	-1.101926e-01	-2.289689e-02	-4.715452e-01	-4.449256e-01
##	16251	16252	16253	16254	16255
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##	7.087704e-02	1.360376e-01	1.360376e-01	-6.137419e-02	-2.624674e-02
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##	7.873737e-01	3.681460e-01	1.568462e-01	1.322700e-01	2.358948e-01
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##	16286	16287	16288	16289	16290
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##	16291	16292	16293	16294	16295
##	4.192270e-01	7.798386e-01	3.606108e-01	7.249284e-01	-2.386254e-01
##	16296	16297	16298	16299	16300
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##	-6.583046e-01	-4.959869e-02	-2.248996e-01	6.212384e-01	4.201242e-01
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##	4.201242e-01	1.209673e-01	2.269086e-02	2.245920e-01	3.691786e-02
##	16311	16312	16313	16314	16315
##	8.563621e-02	-9.784777e-01	5.334866e-01	-9.281966e-02	4.712669e-01
##	16317	16318	16319	16320	16321
##	3.164343e-01	5.487602e-02	3.250456e-01	8.186863e-02	-4.550239e-02
##	16322	16323	16324	16325	16326
##	5.549773e-01	3.001811e-01	-2.855026e+00	4.079243e-01	4.827154e-02
##	16327	16328	16329	16330	16331
##	3.161922e-01	-8.397969e-02	-6.158825e-01	-4.112091e-01	5.259515e-01
##	16332	16333	16334	16335	16336
##	-4.712987e-01	4.095891e-01	-7.743720e-01	-2.417232e-01	-2.329440e+00
##	16337	16338	16339	16340	16341
##	3.438637e-01	2.080600e-01	-6.196501e-01	-5.343342e-02	4.390674e-01
##	16342	16343	16344	16345	16346
##	-6.078588e-01	-7.781396e-01	-1.772239e+00	4.599641e-01	4.357327e-02
##	16347	16348	16349	16350	16351
##	2.458615e-01	-1.441009e-01	-8.622567e-02	-5.054534e-01	-7.819072e-01
##	16352	16353	16354	16355	16356
##	3.363285e-01	-1.557419e-01	-1.557419e-01	4.012863e-01	1.021293e-01
##	16357	16358	16360	16361	16362

##	-4.836890e-01	-9.190807e-01	-6.153940e-01	-2.586975e-01	2.851107e-01
##	16363	16364	16365	16366	16367
##	-9.064273e-01	-8.971180e-01	4.524289e-01	-1.780986e-01	9.836175e-02
##	16368	16369	16370	16371	16372
##	-1.042793e-01	3.062077e-01	-6.392258e-02	1.134477e-01	5.361394e-01
##	16373	16374	16375	16376	16377
##	-9.376084e-02	4.277646e-01	2.945963e-01	-2.462526e-01	-8.395057e-01
##	16378	16379	16380	16381	16382
##	-6.846777e-01	-1.414880e-01	-2.512727e-01	-2.512727e-01	1.890778e-01
##	16383	16384	16385	16386	16387
##	1.982189e-01	-6.769017e-02	5.071135e-01	-7.973937e-02	-8.432733e-01
##	16388	16389	16390	16391	16392
##	-3.000835e-01	-6.229292e-01	1.596864e-01	-3.835034e-01	-5.078848e-01
##	16393	16394	16395	16396	16397
##	7.459303e-01	7.459303e-01	1.339919e-01	5.910977e-01	3.918631e-01
##	16398	16399	16400	16401	16402
##	1.944513e-01	-6.384880e-01	-7.227134e-02	4.418938e-01	-1.229603e-01
##	16403	16404	16405	16407	16408
##	-1.562062e-01	-1.562062e-01	-3.872710e-01	1.116352e-01	5.873301e-01
##	16409	16410	16411	16412	16413
##	2.862936e-01	3.862160e-01	8.705900e-02	8.705900e-02	-1.155821e-01
##	16414	16415	16416	16417	16418
##	-1.155821e-01	-6.422556e-01	5.248367e-01	-6.959805e-01	-8.727454e-02
##	16419	16420	16421	16422	16424
##	-8.727454e-02	2.700404e-01	7.383951e-01	3.191674e-01	2.825260e-01
##	16425	16426	16427	16428	16429
##	3.824484e-01	1.098936e-01	2.096776e-02	1.869162e-01	1.816869e-01
##	16430	16431	16432	16433	16434
##	-1.193497e-01	-6.460232e-01	-7.899292e-02	4.958108e-01	4.958108e-01
##	16435	16436	16437	16438	16439
##	1.513087e-02	-8.150536e-01	-3.948062e-01	3.137230e-01	5.797950e-01
##	16440	16441	16442	16443	16444
##	2.822840e-01	-1.178880e-01	-1.231173e-01	-8.425508e-01	-1.125988e-01
##	16445	16446	16447	16448	16449
##	-9.480971e-02	-5.229551e-01	1.189216e-01	-1.821150e-01	2.749908e-01
##	16450	16451	16452	16453	16454
##	1.023584e-01	7.575624e-02	1.741517e-01	4.882756e-01	4.042520e-02
##	16455	16456	16457	16458	16459
##	4.042520e-02	-8.652809e-02	-8.652809e-02	-2.965587e-02	-5.089746e-01
##	16460	16461	16462	16463	16464
##	3.719132e-01	-9.234910e-01	4.260559e-01	6.828111e-03	1.664722e-01
##	16465	16466	16467	16468	16469
##	6.721822e-01	3.711456e-01	3.711456e-01	3.711456e-01	9.665011e-03
##	16470	16471	16472	16473	16474
##	-2.913715e-01	1.756134e-01	-6.573260e-01	-9.029567e-02	-1.780091e-01
##	16475	16476	16477	16478	16479
##	-1.780091e-01	3.681456e-01	-4.061089e-01	-2.888382e-01	-3.830316e-01
##	16480	16481	16482	16483	16484
##	3.040971e-01	3.060526e-03	3.060526e-03	1.383697e-03	3.692576e-01
##	16485	16486	16487	16488	16489
##	-1.817767e-01	-9.448099e-02	3.976239e-01	-5.165097e-01	2.644557e-01
##	16490	16491	16492	16493	16494
##	3.643781e-01	2.512025e-01	7.195572e-01	3.003295e-01	-7.070580e-04
##	16495	16496	16497	16498	16499

##	-2.383888e-03	6.646470e-01	3.636105e-01	2.672136e-01	-1.329583e-01
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##	2.044181e-01	2.291246e-02	3.606105e-01	-1.098800e-01	-8.338915e-01
##	16505	16506	16507	16508	16509
##	-4.136441e-01	4.147531e-01	-4.474642e-03	5.609570e-01	2.599205e-01
##	16510	16511	16512	16513	16514
##	6.608794e-01	6.608794e-01	3.598429e-01	-3.026743e-01	6.068591e-02
##	16515	16516	16517	16518	16519
##	4.117531e-01	3.900888e-01	5.242286e-01	5.242286e-01	-6.568374e-01
##	16520	16521	16523	16524	16525
##	-2.889485e-01	7.120221e-01	1.514019e-01	8.352050e-02	-5.405326e-03
##	16526	16527	16528	16529	16530
##	5.691832e-02	-4.135807e-02	4.946960e-01	4.946960e-01	-1.124222e-02
##	16531	16532	16533	16534	16535
##	-6.154538e-01	1.220105e-01	-4.211793e-01	-1.339892e+00	2.890267e-01
##	16536	16537	16538	16539	16540
##	4.486709e-01	2.559109e-01	-1.494903e-01	-7.603155e-02	-8.346534e-01
##	16541	16542	16543	16544	16545
##	4.034503e-01	-1.577740e-02	-2.270772e-01	3.485401e-01	2.521433e-01
##	16546	16547	16548	16549	16550
##	-1.137148e-01	4.004503e-01	-1.877739e-02	3.787860e-01	-1.644038e-01
##	16551	16552	16553	16554	16555
##	-1.976496e-01	-4.287144e-01	-1.743528e+00	2.814916e-01	-1.954498e-02
##	16556	16557	16558	16559	16560
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##	16561	16562	16563	16564	16565
##	-4.790256e-01	-8.764590e-01	4.833932e-01	-2.254498e-02	4.074537e-03
##	16566	16567	16570	16571	16572
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##	16573	16574	16575	16576	16577
##	1.454727e-01	-1.555638e-01	-1.058411e+00	-1.502746e-01	-1.502746e-01
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##	-3.779915e-02	-1.324855e-01	-1.221710e+00	-3.077864e-01	3.921476e-01
##	16583	16584	16585	16586	16587
##	-2.424325e-02	3.808040e-02	3.891476e-01	-3.088748e-01	7.642516e-01
##	16588	16590	16591	16592	16593
##	-3.084773e-02	-2.421475e-01	3.334698e-01	-1.630990e-01	-5.515055e-01
##	16594	16596	16597	16598	16599
##	3.637157e-01	-8.640322e-01	-2.010109e+00	3.846124e-01	-3.177842e-02
##	16600	16601	16602	16603	16604
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##	16605	16606	16607	16608	16609
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##	16610	16612	16613	16614	16615
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##	16616	16617	16618	16619	16620
##	-4.382731e-02	-3.403501e-01	2.301006e-02	2.301006e-02	1.266348e-01
##	16621	16622	16623	16624	16625
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##	16626	16627	16628	16629	16630
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##	16631	16632	16633	16634	16635
##	3.354633e-01	3.354633e-01	-6.480691e-02	-1.430419e-01	-4.891807e-02
##	16636	16637	16638	16639	16640

##	-5.921078e-01	-1.099398e-01	-1.099398e-01	-2.277903e-01	-2.277903e-01
##	16641	16642	16643	16644	16645
##	8.433468e-02	-1.127045e+00	3.695421e-01	2.496741e-01	2.496741e-01
##	16646	16647	16648	16649	16650
##	3.146319e-01	3.146319e-01	-4.684875e-02	2.233209e-01	1.554395e-01
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##	-9.065997e-01	-1.137074e-01	-1.137074e-01	-3.792028e-01	-2.243748e-01
##	16656	16657	16658	16659	16660
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##	3.393460e-01	-1.857045e-01	4.242267e-01	1.516719e-01	-1.174750e-01
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##	3.620069e-01	3.089763e-01	3.241605e-01	-7.213749e-01	-1.543446e-01
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##	16681	16682	16683	16684	16685
##	-1.932396e-01	-2.458257e-01	-3.736889e-02	3.003291e-01	-3.509831e-01
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##	1.865351e-01	1.871536e-01	-9.950752e-01	-8.708630e-01	9.488815e-02
##	16691	16692	16693	16694	16695
##	-6.643282e-02	2.995615e-01	-6.191909e-02	-3.629556e-01	-3.629556e-01
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##	16701	16702	16703	16704	16705
##	-1.287777e-01	6.517407e-01	6.517407e-01	-6.852357e-02	3.980228e-02
##	16706	16707	16708	16709	16710
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##	16711	16712	16713	16714	16715
##	-2.171499e-01	-3.503182e-01	-1.048679e+00	1.921040e-01	1.921040e-01
##	16716	16717	16718	16719	16720
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##	16721	16722	16723	16724	16725
##	1.758508e-01	-1.015687e+00	3.431690e-01	3.431690e-01	2.249778e-01
##	16726	16727	16728	16729	16730
##	3.226711e-02	5.892953e-01	-7.322184e-02	2.901383e-01	2.901383e-01
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##	-2.135393e-01	-5.967165e-01	1.290664e-01	-8.080942e-01	-9.329728e-01
##	16736	16737	16738	16739	16740
##	4.268795e-01	3.401690e-01	-2.246851e-01	-3.660535e-01	-3.717250e-01
##	16741	16742	16743	16744	16745
##	1.720832e-01	1.720832e-01	-1.468731e+00	2.212102e-01	2.212102e-01
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##	-7.477480e-01	-5.376441e-02	-1.815313e-01	-6.031642e-01	-1.476157e-01
##	16761	16762	16763	16765	16766
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##	16767	16768	16769	16770	16771
##	3.903184e-01	-2.143235e-01	-1.513832e-01	-3.691561e-01	-7.397243e-01
##	16772	16773	16774	16775	16776

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##	3.016702e-01	-8.829218e-02	-2.233803e-01	-2.233803e-01	3.865508e-01
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##	4.118091e-01	-1.551508e-01	4.375741e-01	-9.638360e-01	-3.867954e-01
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##	16800	16801	16802	16803	16805
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##	16816	16817	16818	16819	16821
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##	16822	16823	16824	16825	16826
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##	16827	16828	16829	16831	16832
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##	16839	16840	16841	16842	16843
##	3.892036e-01	-1.282212e-01	-2.884237e-01	-9.469191e-01	-9.469191e-01
##	16844	16845	16846	16847	16848
##	-9.176314e-03	1.468930e-01	1.468930e-01	5.478519e-01	2.486949e-01
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##	16855	16856	16857	16858	16859
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##	16860	16862	16863	16864	16865
##	-1.852915e-01	-4.112645e-01	2.941904e-01	1.759992e-01	-1.581532e-01
##	16866	16867	16868	16869	16870
##	3.526426e-01	3.526426e-01	-5.379744e-01	5.914594e-01	-6.494627e-01
##	16871	16872	16873	16874	16875
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##	-2.506516e+00	5.876918e-01	-1.342493e-01	-3.252832e-01	1.318226e-01
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##	3.451074e-01	-1.089530e-01	-1.965942e-01	2.828876e-01	-1.363401e-01
##	16891	16892	16893	16894	16895
##	-4.457737e-02	2.298570e-01	-1.694559e-01	-2.334639e-01	-1.170624e+00
##	16896	16897	16898	16899	16900
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##	16901	16902	16903	16904	16905
##	-2.723589e-01	-2.723589e-01	-1.803592e-01	2.544557e-01	-2.887340e-01
##	16906	16907	16909	16910	16911
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##	16912	16913	16914	16915	16916
##	-1.410384e-01	1.968074e-02	-3.287125e-01	1.042667e-01	-1.211130e+00
##	16917	16918	16919	16920	16921



##	5.726214e-01	2.166747e-01	2.185542e-01	5.748227e-02	-3.324801e-01
##	16922	16923	16924	16925	16926
##	2.469206e-01	-2.116646e-01	-8.655218e-01	5.688539e-01	3.092703e-01
##	16927	16928	16929	16930	16931
##	-4.308457e-02	-1.215809e-01	-1.658970e-01	9.611307e-02	9.673153e-02
##	16932	16933	16934	16935	16936
##	-6.887288e-01	1.458585e-01	4.102537e-01	1.092171e-01	5.101761e-01
##	16937	16938	16939	16940	16941
##	2.091395e-01	-9.001746e-02	-1.253485e-01	-6.146587e-01	-4.508443e-01
##	16942	16943	16944	16946	16947
##	-4.508443e-01	5.613187e-01	2.602821e-01	-4.571452e-01	-8.230997e-01
##	16948	16949	16950	16951	16952
##	3.439926e-01	2.356178e-01	-3.075720e-01	-3.408178e-01	-1.102342e+00
##	16953	16954	16955	16956	16957
##	2.565146e-01	1.383234e-01	-3.740129e-01	1.016820e-01	2.016044e-01
##	16958	16959	16960	16961	16962
##	2.016044e-01	-4.609128e-01	-3.001937e-01	2.186681e-01	-2.602547e-01
##	16963	16964	16965	16966	16967
##	3.402250e-01	9.868196e-02	-2.718862e-01	-5.756502e-01	-4.583795e-01
##	16968	16969	16970	16971	16972
##	-1.229968e+00	-1.770817e+00	2.527470e-01	1.345558e-01	-1.664808e-01
##	16973	16974	16975	16976	16977
##	1.328789e-01	-4.646804e-01	-2.636045e-01	3.111992e-01	-3.513180e-01
##	16979	16980	16981	16982	16983
##	-2.756538e-01	-8.843597e-01	-5.794178e-01	8.166119e-02	2.489794e-01
##	16984	16985	16986	16987	16988
##	-1.702484e-01	-7.848563e-02	2.111330e-01	-1.126298e+00	-2.972104e-01
##	16989	16990	16991	16992	16993
##	-1.466288e-01	-6.898186e-01	-4.520430e-01	-3.999560e-02	5.462483e-01
##	16994	16995	16996	16997	16998
##	1.270206e-01	-1.756928e-01	-4.722156e-01	-6.946737e-01	-1.441864e-01
##	16999	17000	17001	17003	17004
##	-4.558106e-01	-1.141349e+00	1.232530e-01	-3.704942e-01	3.876482e-01
##	17005	17006	17007	17008	17009
##	3.876482e-01	4.875706e-01	-1.126230e-01	-1.422752e-02	2.384442e-01
##	17010	17011	17012	17013	17014
##	2.384442e-01	-2.418053e-01	-4.595782e-01	3.509197e-01	-8.956625e-01
##	17015	17016	17017	17018	17019
##	-8.301463e-01	1.827664e-01	-1.163906e-01	-1.163906e-01	-1.137601e+00
##	17020	17021	17022	17023	17024
##	-2.786749e-01	-3.663884e-01	-2.455728e-01	-4.715458e-01	-1.316314e+00
##	17025	17026	17027	17028	17029
##	-1.853187e-01	7.907645e-02	2.074806e-01	-1.201581e-01	-2.176268e-02
##	17030	17031	17032	17033	17034
##	-2.824425e-01	-3.701559e-01	-5.982557e-01	6.220481e-02	6.220481e-02
##	17035	17036	17037	17038	17039
##	-3.817970e-01	-1.592568e-01	3.138519e-01	2.054771e-01	7.230887e-02
##	17040	17041	17042	17043	17044
##	-5.883352e-02	5.843723e-02	-5.288827e-01	2.263739e-01	2.263739e-01
##	17045	17046	17047	17048	17049
##	2.678268e-01	7.154128e-02	-2.899776e-01	2.848261e-01	2.848261e-01
##	17050	17051	17052	17053	17054
##	3.100844e-01	-3.747261e-01	-2.073404e-01	-6.057909e-01	-1.966214e-01
##	17056	17057	17058	17059	17060

##	-3.893321e-01	1.676961e-01	-1.048587e-01	1.695757e-01	-3.288727e-01
##	17061	17062	17063	17064	17065
##	-3.814587e-01	-4.760752e-01	-1.029806e+00	-3.930997e-01	1.639285e-01
##	17066	17067	17068	17069	17070
##	-2.192779e-01	-1.235487e+00	-3.852263e-01	3.025492e-01	1.609285e-01
##	17071	17072	17073	17074	17075
##	3.283142e-01	-5.299062e-01	-1.143785e+00	-5.023563e-01	-3.012804e-01
##	17076	17077	17078	17079	17080
##	-3.012804e-01	2.735233e-01	2.987816e-01	-3.311186e-01	-3.133296e-01
##	17081	17082	17083	17084	17085
##	-1.184312e+00	2.113035e-01	9.143552e-02	-9.959834e-02	5.999651e-02
##	17086	17087	17088	17089	17090
##	-3.401754e-01	6.508233e-02	2.697557e-01	-2.109242e-01	-4.897188e-01
##	17091	17092	17093	17094	17095
##	3.207790e-01	4.021776e-02	4.021776e-02	-3.439430e-01	-4.813577e-02
##	17096	17097	17098	17099	17100
##	-4.813577e-02	-6.566664e-03	-3.088156e-01	-3.088156e-01	-1.292818e+00
##	17101	17102	17103	17104	17105
##	2.037684e-01	-4.267591e-01	1.773399e-01	5.246134e-02	-2.485752e-01
##	17106	17107	17108	17109	17110
##	-3.477106e-01	-5.190336e-02	-6.749400e-01	4.593578e-02	-1.182792e+00
##	17111	17112	17113	17114	17115
##	2.000008e-01	-1.294902e-01	1.469701e-01	-1.540664e-01	-3.514782e-01
##	17116	17117	17118	17119	17120
##	1.621544e-01	-1.410183e-02	2.837113e-01	-5.092217e-01	-3.283999e-01
##	17121	17122	17123	17124	17125
##	2.891501e-02	1.962332e-01	7.804201e-02	1.698047e-01	-5.420922e-02
##	17126	17127	17128	17129	17130
##	-2.632461e-01	-3.499566e-01	-5.047892e-01	-5.129892e-01	1.924656e-01
##	17131	17132	17133	17134	17135
##	1.924656e-01	7.427443e-02	-2.284389e-01	-1.616016e-01	-6.320611e-02
##	17136	17137	17138	17139	17140
##	-2.456510e-01	1.678013e-01	-3.753885e-01	-7.463324e-01	-5.167568e-01
##	17141	17142	17143	17144	17145
##	-2.349472e+00	-1.194095e+00	1.886980e-01	1.886980e-01	3.349020e-01
##	17146	17147	17148	17149	17150
##	4.348244e-01	-1.387670e-01	-2.276928e-01	-3.627809e-01	-3.680102e-01
##	17151	17152	17153	17154	17156
##	1.508516e-01	1.508516e-01	-4.153670e-01	-3.574917e-01	-6.434667e-01
##	17157	17158	17159	17160	17161
##	-1.221226e+00	6.673926e-02	6.673926e-02	-4.270080e-01	1.585020e-01
##	17162	17163	17164	17165	17166
##	-2.674131e-01	-3.717778e-01	-1.268582e+00	-3.322347e-01	2.686409e-01
##	17167	17168	17170	17171	17172
##	-3.829236e-01	-7.538675e-01	-3.434703e-01	-2.352280e-01	-1.729043e-01
##	17173	17174	17175	17176	17177
##	-7.450886e-02	-8.452764e-01	1.232527e-01	-2.389956e-01	1.243646e-01
##	17178	17179	17180	17181	17182
##	-2.120029e-01	-1.098747e+00	-3.687945e-01	-3.687945e-01	-2.563190e-01
##	17183	17184	17185	17186	17187
##	-5.713496e-01	-5.318272e-01	-5.318272e-01	1.140527e-01	1.140527e-01
##	17188	17189	17190	17191	17192
##	1.736277e-01	1.736277e-01	-2.456000e-01	-5.437997e-01	-1.804395e-01
##	17193	17194	17195	17196	17197

##	-2.219805e-01	-8.058231e-02	-3.816189e-01	-1.283652e+00	2.283123e-01
##	17198	17199	17200	17201	17202
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##	17203	17204	17205	17206	17207
##	-1.225662e-03	1.660925e-01	1.660925e-01	-1.448093e-01	-4.801009e-02
##	17208	17209	17210	17211	17212
##	2.245447e-01	-4.379725e-01	-4.017616e-01	-8.603467e-01	1.081823e-01
##	17213	17214	17216	17217	17218
##	-4.350074e-01	5.381965e-01	-1.671660e-01	3.085289e-01	3.085289e-01
##	17219	17220	17221	17222	17223
##	1.074147e-01	1.074147e-01	-3.943833e-01	-7.775605e-01	-9.210569e-01
##	17224	17225	17226	17227	17228
##	-3.540266e-01	-1.292001e+00	-4.387750e-01	-6.698398e-01	-6.698398e-01
##	17229	17230	17231	17232	17234
##	-8.760831e-03	-1.324158e+00	-2.503472e+00	-2.606704e-01	1.321289e-01
##	17235	17236	17237	17238	17239
##	-2.937862e-01	-9.188506e-02	-9.711437e-02	-3.981509e-01	-7.813281e-01
##	17240	17241	17242	17243	17244
##	1.207110e-01	1.207110e-01	-1.168001e+00	1.338930e-01	7.247679e-04
##	17245	17246	17247	17248	17250
##	-5.506651e-01	-5.506651e-01	-1.252841e-02	9.521477e-02	-1.747012e-01
##	17251	17252	17253	17254	17255
##	9.987958e-02	-3.966892e-01	-1.008820e-01	-3.046895e-01	1.517898e-01
##	17256	17257	17258	17259	17260
##	1.301255e-01	-7.840082e-01	9.144718e-02	-2.682055e-01	-2.682055e-01
##	17261	17262	17263	17264	17265
##	-1.598797e-01	-1.598797e-01	-1.598797e-01	-2.030450e-01	-1.302490e+00
##	17266	17267	17268	17269	17270
##	-1.303304e+00	-2.445860e-01	2.604977e-01	-3.773785e-01	-1.078080e+00
##	17271	17272	17273	17274	17275
##	4.482912e-01	-1.636473e-01	-5.701728e-01	9.422397e-02	-2.068126e-01
##	17276	17277	17278	17279	17280
##	-3.050890e-01	-4.094537e-01	-6.684801e-02	-2.421436e-01	-4.205995e-01
##	17281	17282	17284	17285	17286
##	8.934441e-02	-2.757407e-01	1.849400e-01	-2.774175e-01	-4.684514e-01
##	17287	17288	17289	17290	17291
##	-1.310025e+00	-3.736781e-01	2.271975e-01	-2.787407e-01	-2.821721e-02
##	17292	17293	17294	17296	17297
##	4.407560e-01	1.397194e-01	2.152825e-02	3.858458e-01	-1.107230e-01
##	17298	17299	17300	17302	17303
##	-6.501767e-03	1.981716e-01	1.150551e-01	-3.886813e-01	-3.886813e-01
##	17304	17305	17306	17307	17308
##	-3.886813e-01	-2.181153e-01	-4.651481e-01	-2.870435e-01	-2.870435e-01
##	17309	17310	17311	17312	17313
##	-2.264832e-02	-1.952807e-01	-2.842066e-01	-2.842066e-01	7.915363e-02
##	17314	17316	17317	17318	17319
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##	17323	17324	17325	17326	17327
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##	17328	17329	17330	17331	17332
##	-5.058784e-01	-4.268299e-01	1.831013e-01	-3.921201e-01	2.083596e-01
##	17333	17334	17335	17336	17337
##	1.216491e-01	-4.643667e-02	1.013496e-03	-3.395108e-02	-5.965459e-01
##	17338	17339	17340	17341	17342

##	-1.347902e-01	8.303511e-02	-9.507090e-01	-5.940125e-01	5.753893e-02
##	17343	17344	17345	17346	17347
##	-1.108221e+00	-4.948245e-01	-2.992769e-01	-9.698869e-02	-1.336398e+00
##	17348	17349	17350	17351	17352
##	1.141139e-01	1.141139e-01	-9.093253e-01	-3.166004e-01	-1.124757e+00
##	17353	17354	17355	17356	17357
##	-8.394322e-01	-1.282269e+00	-4.844843e-03	-3.796068e-02	-1.370961e-01
##	17358	17359	17360	17361	17362
##	-4.038188e-01	1.103464e-01	-4.545078e-01	-8.254517e-01	-5.958761e-01
##	17363	17364	17365	17366	17367
##	-5.209487e-01	-5.023597e-01	-3.068121e-01	-3.068121e-01	-8.303067e-01
##	17368	17369	17370	17371	17372
##	-4.944862e-01	1.065788e-01	1.065788e-01	1.065788e-01	-4.825383e-02
##	17373	17374	17375	17376	17377
##	-4.825383e-02	4.816828e-01	4.623617e-02	-5.247163e-01	3.519375e-01
##	17378	17379	17380	17381	17382
##	-1.498605e-01	-1.498605e-01	-4.105403e-01	1.642634e-01	-9.657793e-01
##	17383	17384	17385	17386	17387
##	-5.928703e-01	6.419719e-02	1.604958e-01	9.904361e-02	-8.367544e-01
##	17388	17389	17390	17391	17392
##	-3.812059e-01	-3.226286e-01	4.336582e-02	-2.291890e-01	-2.291890e-01
##	17393	17394	17395	17396	17397
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##	17398	17399	17400	17401	17402
##	-9.733145e-01	-4.301247e-01	-1.906990e-01	-7.280976e-02	3.955450e-01
##	17403	17404	17405	17406	17407
##	6.984411e-02	-4.733457e-01	-5.065915e-01	3.917774e-01	3.368672e-01
##	17408	17409	17410	17411	17412
##	3.583065e-02	-3.256500e-01	-6.266865e-01	-6.266865e-01	3.771020e-02
##	17413	17414	17415	17416	17417
##	-2.633263e-01	-1.597016e-01	-1.982341e-01	-3.121793e-02	3.330996e-01
##	17418	17419	17420	17421	17422
##	-4.645057e-01	-5.924795e-02	-3.511433e-01	-1.189169e+00	-8.518247e-01
##	17423	17424	17425	17426	17428
##	-1.050133e+00	-7.451915e-01	-7.451915e-01	-6.279208e-01	5.677721e-02
##	17429	17430	17431	17432	17433
##	-3.331852e-01	-4.682733e-01	-4.735026e-01	4.535927e-02	-3.549109e-01
##	17434	17435	17436	17437	17438
##	-3.549109e-01	1.416579e-01	-6.178167e-01	-5.107112e-01	-7.489591e-01
##	17439	17440	17442	17443	17444
##	7.943810e-02	-6.727732e-01	-2.314638e-01	2.452789e-02	-2.746291e-01
##	17445	17446	17447	17448	17449
##	-2.746291e-01	-2.746291e-01	-1.346645e-01	-1.374888e+00	1.378903e-01
##	17450	17451	17452	17453	17454
##	5.477377e-02	-8.593599e-01	2.152790e-02	-7.527267e-01	-1.777613e+00
##	17455	17456	17457	17458	17459
##	-4.252069e-02	3.217969e-01	2.263986e-02	-4.810378e-01	-8.642150e-01
##	17460	17461	17462	17463	17464
##	-4.705193e-01	1.851460e-01	-7.564943e-01	-4.796510e-02	-3.490016e-01
##	17465	17466	17467	17468	17469
##	-1.382423e+00	1.556134e-01	1.556134e-01	-3.875764e-01	-4.959512e-01
##	17470	17471	17472	17473	17474
##	1.322514e-02	-2.859318e-01	-4.885729e-01	3.028893e-02	4.347102e-02
##	17475	17476	17477	17478	17479

##	-1.173736e+00	-2.208396e-01	-3.548600e-01	2.105717e-01	3.104941e-01
##	17480	17481	17482	17483	17484
##	3.793929e-02	-1.497349e-01	-5.396972e-01	-3.578600e-01	3.970344e-02
##	17485	17486	17487	17488	17489
##	4.364718e-01	-1.067180e-01	-5.759102e-02	-9.070686e-02	-8.562104e-02
##	17490	17491	17492	17493	17494
##	-1.393726e+00	1.443107e-01	1.700756e-01	-4.678005e-01	-1.325960e+00
##	17495	17496	17497	17498	17499
##	-6.135861e-02	-3.640720e-01	-5.551058e-01	-3.325656e-01	-4.595189e-01
##	17500	17501	17502	17503	17504
##	-6.173090e-02	1.663080e-01	-6.510007e-03	-1.342551e+00	-3.661627e-01
##	17505	17506	17507	17508	17509
##	-5.588734e-01	-3.633258e-01	3.435816e-05	-1.030317e+00	1.115172e-01
##	17510	17511	17512	17513	17514
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##	17515	17516	17517	17518	17519
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##	17520	17521	17522	17523	17524
##	7.683425e-03	-1.685728e-01	-8.932682e-01	-9.809094e-01	-3.774655e-01
##	17525	17526	17527	17528	17529
##	-1.130703e-01	1.533378e-02	-6.756651e-01	-2.139095e-01	-1.044590e-01
##	17530	17531	17532	17533	17534
##	-1.723404e-01	-4.754029e-01	1.002144e-01	1.002144e-01	-1.200109e+00
##	17535	17536	17537	17538	17539
##	-1.293235e-01	-6.619393e-01	3.390312e-01	-8.019653e-02	-3.812331e-01
##	17541	17542	17543	17544	17545
##	-1.503598e-02	-2.124478e-01	-5.081951e-01	-3.576136e-01	-3.957197e-01
##	17547	17548	17549	17550	17551
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##	17552	17553	17554	17555	17556
##	-4.181165e-01	-2.214447e-01	-1.117036e+00	-3.551711e-01	-4.821244e-01
##	17557	17558	17559	17560	17561
##	-1.420099e+00	9.267927e-02	-4.490224e-01	-4.941736e-01	-1.374772e-01
##	17562	17563	17564	17565	17566
##	-2.911551e-02	-3.904451e-01	-2.804424e-01	-2.257115e-02	-5.262488e-01
##	17567	17568	17569	17570	17571
##	-4.867056e-01	8.891169e-02	4.025635e-01	3.277285e-01	-3.942127e-01
##	17572	17573	17574	17575	17576
##	-2.842100e-01	-5.247871e-01	-2.289798e-01	-5.773731e-01	1.361674e-01
##	17577	17578	17580	17581	17582
##	-5.672250e-01	-8.054729e-01	-9.694369e-02	-9.694369e-02	-6.945030e-01
##	17583	17584	17585	17586	17587
##	-3.664739e-01	8.137652e-02	1.992434e-02	-4.603251e-01	-6.780980e-01
##	17588	17589	17590	17591	17592
##	-1.218947e+00	-1.481614e-01	-3.083083e-01	-4.331868e-01	-1.270645e-01
##	17593	17594	17595	17596	17597
##	-1.434355e+00	-1.435169e+00	1.615675e-02	-5.270330e-01	-1.007283e+00
##	17598	17599	17600	17601	17602
##	-1.233255e+00	-2.955127e-01	-4.010017e-01	-2.245725e-02	-1.308320e-01
##	17603	17604	17605	17606	17607
##	-1.308320e-01	-3.740091e-01	-5.013801e-01	-5.308006e-01	-1.121718e+00
##	17608	17609	17610	17611	17612
##	-1.337925e+00	-1.065696e-01	-2.479620e-01	2.577479e-01	-4.328862e-02
##	17613	17614	17615	17616	17617

##	-3.424456e-01	-5.047299e-01	-5.894784e-01	3.837256e-01	-1.594642e-01
##	17618	17619	17620	17621	17622
##	-4.705621e-02	-4.517665e-02	-1.434530e-01	-4.444896e-01	-2.999242e-02
##	17623	17624	17625	17626	17627
##	-3.815442e-01	6.630618e-02	-3.311272e-01	9.156447e-02	4.853998e-03
##	17628	17629	17630	17632	17633
##	-5.600001e-01	-4.753955e-01	-4.258603e-01	-6.078520e-01	-2.234206e-02
##	17634	17635	17636	17637	17638
##	-4.123044e-01	-1.421348e-01	-1.022353e+00	-1.022353e+00	-1.358537e+00
##	17639	17640	17641	17642	17643
##	3.188278e-04	-7.171086e-01	1.097943e-01	-4.226765e-01	-4.226765e-01
##	17644	17645	17646	17647	17648
##	3.800418e-02	-3.575159e-01	-1.086831e+00	5.500343e-02	-5.496385e-01
##	17649	17650	17651	17652	17653
##	-5.496385e-01	-4.371631e-01	-8.356135e-01	-7.216341e-03	-6.191548e-01
##	17654	17655	17656	17657	17658
##	-6.024699e-02	-1.534376e-01	-3.966146e-01	-5.243815e-01	-1.461542e+00
##	17659	17660	17661	17662	17663
##	-1.650489e-01	-1.650489e-01	-7.164388e-01	-1.098393e-02	-1.098393e-02
##	17664	17665	17666	17667	17668
##	-1.098393e-02	-1.291751e-01	-3.404749e-01	-6.589413e-02	4.746826e-02
##	17669	17670	17671	17672	17673
##	-1.465310e+00	-4.704632e-01	-4.332117e-01	-7.120063e-01	-1.263396e+00
##	17674	17675	17676	17677	17678
##	-5.714598e-01	-1.469077e+00	-1.306686e+00	-3.037265e-01	-8.469163e-01
##	17679	17680	17681	17682	17683
##	-8.469163e-01	-2.680548e+00	-4.377468e-01	-6.304575e-01	-7.342930e-02
##	17684	17685	17686	17687	17688
##	-7.154974e-02	-3.725863e-01	-2.741908e-01	-6.225841e-01	-5.017686e-01
##	17689	17690	17691	17692	17693
##	-1.090110e+00	-1.404779e-01	1.239173e-01	-2.727291e-01	-5.737657e-01
##	17694	17695	17696	17697	17698
##	-5.737657e-01	-2.779584e-01	-6.013309e-02	-4.817660e-01	-2.528668e-02
##	17699	17700	17701	17702	17703
##	-7.710316e-01	-1.274699e+00	-1.933725e-01	-1.375601e+00	-1.251389e+00
##	17704	17705	17706	17707	17708
##	-3.801215e-01	-1.001061e+00	3.239792e-02	5.765621e-02	-5.939084e-01
##	17709	17710	17711	17713	17714
##	-4.216625e-01	-5.093037e-01	2.712147e-01	-5.813008e-01	-1.282234e+00
##	17715	17717	17718	17719	17720
##	-2.009076e-01	-4.544940e-01	-4.544940e-01	-6.455279e-01	-2.892612e-01
##	17721	17722	17723	17724	17725
##	-1.798106e-01	-1.184853e+00	-4.229877e-01	-6.376544e-01	-6.376544e-01
##	17726	17727	17728	17729	17730
##	5.012104e-02	-1.060029e+00	-3.225644e-01	-3.225644e-01	-1.520072e+00
##	17731	17732	17733	17734	17735
##	-2.699386e+00	-3.668480e-01	-6.378549e-02	-4.537479e-01	-4.537479e-01
##	17736	17737	17738	17739	17740
##	-3.914242e-01	-5.537085e-01	-4.035701e-02	-4.112460e-02	-4.112460e-02
##	17741	17743	17744	17745	17746
##	-1.593158e-01	-4.620292e-01	-1.959572e-01	-1.494637e+00	-2.122104e-01
##	17747	17748	17749	17750	17751
##	-6.568306e-01	-9.980239e-02	-4.405004e-01	-8.770570e-01	-1.444275e+00
##	17752	17754	17755	17756	17757

##	-1.454816e+00	-7.206829e-03	-1.035700e-01	-7.508824e-02	-2.991022e-01
##	17758	17759	17760	17761	17762
##	-5.650113e-01	-1.502985e+00	9.792418e-03	-6.527248e-01	-5.948495e-01
##	17763	17764	17765	17766	17767
##	-1.075099e+00	-4.823741e-01	-7.473413e-01	-1.301072e+00	3.234442e-01
##	17768	17769	17770	17771	17772
##	-1.458584e+00	-6.643658e-01	1.936990e-01	-3.798924e-01	-1.054580e-01
##	17773	17774	17775	17776	17777
##	-4.064945e-01	-1.135809e+00	-6.564923e-01	-1.078867e+00	-3.414023e-01
##	17778	17780	17781	17782	17783
##	-1.405742e+00	-6.867224e-01	-1.111051e-01	-1.111051e-01	-4.102621e-01
##	17784	17785	17786	17787	17788
##	-6.023847e-01	-2.272807e-01	-4.808671e-01	-3.104050e-01	-2.740651e-01
##	17789	17790	17791	17792	17793
##	-9.386709e-01	-6.640275e-01	-6.296252e-02	-1.131553e+00	-7.586441e-01
##	17794	17796	17797	17798	17799
##	-8.690500e-01	-6.756685e-01	1.823962e-01	-5.160737e-01	-1.038737e+00
##	17800	17801	17802	17803	17804
##	-5.018467e-01	-8.124750e-01	-5.921308e-01	-5.921308e-01	-1.856889e-01
##	17805	17806	17807	17808	17809
##	7.870625e-02	-4.838885e-01	-4.215649e-01	-1.150879e+00	-2.816003e-01
##	17810	17811	17812	17815	17816
##	-2.816003e-01	-5.838492e-01	-6.715627e-01	-3.269370e-01	-1.091117e-01
##	17817	17818	17819	17820	17821
##	-1.281309e-02	-5.876168e-01	-5.876168e-01	-7.722877e-01	-7.055604e-01
##	17822	17823	17824	17825	17826
##	-2.263399e-01	-6.265118e-01	-1.128793e-01	-2.212541e-01	8.677617e-03
##	17827	17828	17829	17830	17831
##	-7.803286e-02	-1.101472e+00	-1.031579e+00	-7.880044e-02	-1.969916e-01
##	17832	17833	17834	17835	17836
##	1.673259e-01	-4.951913e-01	-3.292429e-01	-6.355087e-01	-5.169170e-01
##	17837	17838	17839	17840	17841
##	-1.533126e+00	-2.498862e-01	-8.256803e-02	-5.034726e-01	-3.330105e-01
##	17842	17843	17844	17845	17846
##	-6.340470e-01	-1.435883e+00	-8.633561e-02	-8.633561e-02	-5.386792e-01
##	17847	17848	17849	17850	17851
##	-3.420073e-01	-5.244522e-01	-2.788342e-02	-2.625136e-03	-1.112775e+00
##	17852	17853	17854	17856	17857
##	-2.441682e-01	-7.850171e-01	2.109333e-01	-3.496868e-01	-2.449358e-01
##	17858	17859	17860	17861	17862
##	-3.405456e-01	-1.173485e+00	-1.028901e+00	-6.912032e-01	-9.387078e-02
##	17863	17864	17865	17866	17867
##	-6.505791e-01	-1.548196e+00	-4.894790e-01	-1.120310e+00	-8.030932e-01
##	17868	17869	17870	17871	17872
##	-1.480431e+00	-2.158296e-01	-4.870366e-01	-6.139899e-01	-5.198661e-01
##	17873	17874	17875	17876	17877
##	1.996306e-01	-7.133444e-01	4.479799e-02	-5.177968e-01	-1.555732e+00
##	17878	17879	17880	17881	17882
##	-1.769547e-02	-1.044059e-01	-1.051735e-01	-1.600837e-01	-1.600837e-01
##	17883	17884	17885	17886	17887
##	-6.215251e-01	-1.559499e+00	-2.146306e-02	-2.637737e-01	-4.630083e-01
##	17888	17889	17890	17891	17892
##	-3.593835e-01	-3.646129e-01	-2.551623e-01	-4.983394e-01	-2.523064e-02
##	17893	17894	17895	17896	17897

##	-1.361353e+00	-5.336133e-01	-7.432362e-01	-3.268113e-01	-1.706189e-01
##	17898	17899	17900	17901	17902
##	-7.138087e-01	1.845603e-01	-1.164763e-01	-2.346675e-01	-2.363443e-01
##	17903	17904	17905	17906	17907
##	-1.713865e-01	-1.713865e-01	-6.679553e-01	-3.305789e-01	-1.570802e+00
##	17908	17909	17910	17911	17912
##	-4.554575e-01	-5.387040e-01	-5.411484e-01	-1.732745e-01	-6.769521e-01
##	17913	17914	17915	17916	17917
##	-6.179168e-02	-6.370131e-01	-7.213439e-01	-1.076841e-02	1.770251e-01
##	17918	17920	17921	17922	17923
##	-2.422027e-01	-4.780786e-01	-3.744539e-01	-2.702327e-01	-6.403630e-01
##	17924	17925	17926	17927	17928
##	-1.578337e+00	-6.555927e-02	-2.818441e-01	-8.250338e-01	-2.957157e-01
##	17929	17930	17931	17932	17933
##	-2.950972e-01	-1.873541e-01	-1.277790e-01	-1.542075e-01	-8.452064e-01
##	17934	17935	17936	17937	17938
##	-4.818462e-01	-3.782215e-01	-5.171773e-01	-1.581291e+00	-5.614934e-01
##	17939	17940	17941	17942	17943
##	-1.614262e+00	-5.479375e-01	-5.479375e-01	-3.456492e-01	-5.696632e-01
##	17944	17945	17946	17947	17948
##	-7.309444e-02	-6.994007e-01	-5.271548e-01	-5.652609e-01	-3.026324e-01
##	17949	17950	17951	17952	17953
##	-5.545419e-01	-1.075200e+00	-5.247124e-01	-7.686202e-02	-7.686202e-02
##	17954	17955	17956	17957	17958
##	-2.583875e-02	-5.690285e-01	-8.339957e-01	-1.387726e+00	-1.986568e-01
##	17959	17960	17961	17962	17963
##	1.619548e-01	1.070445e-01	-6.957901e-01	-1.769282e-01	-5.284800e-01
##	17964	17965	17966	17967	17968
##	-5.537132e-02	-3.101676e-01	-8.981059e-01	-7.733769e-01	3.354566e-03
##	17969	17970	17971	17972	17973
##	-2.976820e-01	-1.977596e-01	-4.969166e-01	-6.943283e-01	-6.592009e-01
##	17974	17975	17976	17977	17978
##	-1.597175e+00	-1.597175e+00	-1.458494e-01	-1.675137e-01	-3.337392e-02
##	17979	17980	17981	17982	17983
##	-5.765637e-01	-3.139352e-01	-2.648082e-01	-5.675215e-01	-3.014496e-01
##	17984	17985	17986	17987	17988
##	-5.630078e-01	-4.022887e-01	-1.086502e+00	-3.607196e-01	-6.928067e-01
##	17989	17990	17991	17993	17996
##	-7.144711e-01	-6.298664e-01	-3.044496e-01	-2.099596e-01	-7.809120e-01
##	17997	17998	17999	18000	18001
##	9.574180e-02	9.574180e-02	-8.678119e-01	-2.034152e-01	-7.018635e-01
##	18002	18003	18004	18005	18006
##	-6.671538e-01	-6.965743e-01	-5.726123e-01	-6.336340e-01	-1.221975e+00
##	18007	18008	18009	18010	18012
##	-7.846796e-01	-1.032861e+00	-7.044165e-02	-1.180591e+00	-5.788243e-01
##	18013	18014	18015	18016	18017
##	-4.874107e-01	-7.698581e-01	-1.612245e+00	-6.411692e-01	-6.140309e-01
##	18018	18019	18020	18021	18023
##	-7.131663e-01	-4.173590e-01	-3.327731e-01	-2.827484e+00	-4.250385e-01
##	18024	18025	18026	18027	18028
##	-5.863595e-01	-7.773933e-01	-2.203651e-01	-5.818457e-01	-2.184855e-01
##	18029	18030	18031	18032	18034
##	-2.184855e-01	-3.795575e-01	-1.191894e+00	-3.232875e-01	-1.518769e+00
##	18035	18036	18037	18038	18039



##	-1.692225e-01	-2.874137e-01	-2.241327e-01	-4.196649e-01	-1.623548e+00
##	18040	18041	18042	18043	18044
##	-6.287018e-01	-6.029368e-01	-1.001387e+00	1.280465e-01	-4.838919e-01
##	18045	18046	18047	18048	18049
##	-2.279003e-01	-2.279003e-01	-2.050036e+00	-3.192113e-01	-7.191798e-01
##	18050	18051	18052	18053	18054
##	-1.767576e-01	-1.767576e-01	-2.316678e-01	-2.031861e-01	-5.308248e-01
##	18055	18056	18057	18058	18059
##	-3.908603e-01	-1.142175e+00	-5.723659e-01	-6.104720e-01	-1.663240e+00
##	18060	18061	18062	18063	18064
##	-1.390723e-01	-2.354354e-01	-6.328688e-01	-8.815476e-01	1.167437e-01
##	18065	18066	18067	18068	18069
##	-3.024840e-01	-6.051974e-01	-4.951947e-01	6.183354e-02	-7.410011e-01
##	18070	18071	18072	18073	18074
##	-1.258406e-01	-2.089571e-01	-7.481735e-02	-7.481735e-02	-1.880604e-01
##	18075	18076	18077	18078	18079
##	-3.428930e-01	5.806595e-02	-1.214500e+00	-6.127325e-01	-8.928504e-01
##	18080	18083	18084	18085	18086
##	-6.148233e-01	-6.165001e-01	5.053078e-02	-7.523038e-01	-4.096982e-01
##	18087	18088	18089	18090	18091
##	-7.119471e-01	-5.912038e-01	-7.895124e-01	-5.534303e-01	-7.560714e-01
##	18092	18093	18094	18095	18096
##	-4.134658e-01	-7.157147e-01	-7.165283e-01	-6.826126e-01	-1.336470e+00
##	18097	18098	18099	18100	18102
##	-3.704489e-01	-1.585924e+00	-2.031307e-01	-3.213219e-01	-1.616778e-01
##	18103	18104	18105	18106	18107
##	-1.286513e+00	-1.446785e-01	-2.061307e-01	-2.277950e-01	-1.565755e+00
##	18108	18109	18110	18111	18112
##	-3.250895e-01	-8.188367e-01	-4.625700e-01	-3.531195e-01	-1.484461e-01
##	18113	18114	18115	18116	18117
##	-9.161208e-01	-2.772773e+00	-1.606281e+00	-1.042831e+00	-2.144335e-01
##	18118	18120	18121	18122	18123
##	-6.336612e-01	-1.729805e-01	-4.285361e-01	-6.525501e-01	-7.606233e-01
##	18124	18125	18128	18129	18130
##	-1.153231e+00	-2.182011e-01	-6.391056e-01	-9.356284e-01	-2.712317e-01
##	18131	18132	18133	18134	18135
##	-2.712317e-01	-5.722683e-01	-7.345526e-01	-1.597489e-01	-5.571823e-01
##	18136	18137	18138	18139	18140
##	-1.344906e-01	-1.087256e-01	-3.892868e-01	-2.219686e-01	-7.576470e-02
##	18141	18142	18143	18144	18145
##	-2.483971e-01	-2.749993e-01	-4.724111e-01	-1.161854e+00	-2.598151e-01
##	18146	18147	18148	18149	18150
##	-2.249686e-01	-3.930544e-01	-5.798034e-01	-5.798034e-01	-6.638528e-01
##	18151	18152	18153	18154	18155
##	-2.287362e-01	-2.836464e-01	-9.744811e-01	-3.974405e-01	-3.493718e-01
##	18156	18157	18158	18159	18160
##	-6.458947e-01	-2.825345e-01	-2.673502e-01	-4.436064e-01	-1.457933e-01
##	18161	18162	18163	18164	18165
##	-7.127533e-01	-1.301094e+00	-1.521438e+00	6.776514e-02	-1.918185e-01
##	18166	18167	18168	18169	18170
##	-6.541760e-01	-2.596999e-01	-6.496622e-01	-5.873386e-01	-6.856150e-01
##	18171	18172	18173	18174	18175
##	-3.794926e-01	-2.362714e-01	6.399756e-02	-6.562667e-01	-2.919492e-01
##	18176	18177	18178	18179	18180

##	-2.919492e-01	-9.544664e-01	-6.893826e-01	-1.320421e+00	-4.511416e-01
##	18181	18182	18183	18184	18186
##	-1.563598e+00	-7.533905e-01	-1.263478e+00	6.022998e-02	-6.617111e-01
##	18187	18188	18189	18190	18191
##	-8.527450e-01	-6.931501e-01	-7.922855e-01	-4.964783e-01	-1.694319e+00
##	18192	18193	18194	18195	18196
##	-1.823544e-01	-1.823544e-01	-8.448716e-01	-4.118923e-01	-6.654787e-01
##	18197	18198	18199	18200	18201
##	1.552188e-03	-4.950166e-01	-3.907954e-01	-1.698900e+00	-4.624444e-01
##	18202	18204	18205	18206	18207
##	-1.388663e-01	-2.521093e-01	-8.640477e-01	-5.982980e-03	-3.070195e-01
##	18208	18209	18210	18211	18212
##	-7.684608e-01	-8.561743e-01	-7.353588e-01	-4.231951e-01	-3.744404e-01
##	18213	18214	18215	18217	18218
##	-1.721664e-01	-7.153562e-01	-6.895912e-01	-5.192281e-01	-8.715829e-01
##	18219	18220	18221	18222	18223
##	-9.770719e-01	-6.137117e-01	-4.109515e-01	-8.111235e-01	-4.174771e-01
##	18224	18225	18226	18227	18228
##	-1.172081e-01	-5.190838e-01	-1.012157e+00	-6.864074e-01	-6.835705e-01
##	18229	18230	18231	18232	18233
##	-4.134009e-01	-4.812823e-01	-7.835312e-01	-1.721505e+00	-1.834692e-01
##	18234	18235	18236	18237	18239
##	-2.918440e-01	-7.955804e-01	-1.991438e+00	-3.170752e+00	-5.305308e-01
##	18240	18241	18242	18243	18244
##	-3.908153e-01	-7.872988e-01	-1.872368e-01	-9.719696e-01	2.632172e-02
##	18245	18246	18247	18248	18249
##	-1.248871e-01	-2.858849e-02	-8.261938e-01	-8.261938e-01	-1.425978e+00
##	18250	18251	18252	18254	18255
##	-1.729041e+00	-2.162626e-01	-1.910043e-01	-1.106880e+00	9.738918e-02
##	18256	18257	18258	18259	18260
##	2.255413e-02	-6.993870e-01	-6.678806e-01	-1.157191e+00	-3.031467e-01
##	18261	18262	18263	18265	18266
##	-7.121967e-01	-1.350073e+00	-1.110647e+00	-3.612365e-02	-3.371602e-01
##	18267	18268	18269	18270	18271
##	-5.326924e-01	-5.379217e-01	-1.222135e+00	-1.736576e+00	-7.069221e-01
##	18272	18273	18274	18275	18276
##	-6.155085e-01	-6.400848e-01	-6.754158e-01	-1.423124e+00	-6.791834e-01
##	18277	18278	18279	18280	18281
##	-4.614894e-01	-2.014044e+00	-7.144573e-01	-7.099436e-01	-3.465834e-01
##	18282	18283	18284	18285	18286
##	-8.099043e-01	-2.965527e-01	-8.397425e-01	-2.973203e-01	-4.155115e-01
##	18287	18288	18289	18290	18291
##	-4.171884e-01	-1.511164e-01	-4.521529e-01	-5.119399e-02	-3.522305e-01
##	18292	18293	18294	18295	18296
##	-3.003203e-01	-5.137249e-05	-3.010879e-01	-5.515303e-01	-9.051529e-01
##	18297	18298	18299	18300	18301
##	-3.257522e-01	-8.294886e-01	-3.048555e-01	-6.942537e-01	-1.183564e+00
##	18302	18303	18304	18305	18306
##	-8.727096e-01	-8.987724e-01	6.724850e-02	-3.635333e-01	-3.616537e-01
##	18307	18308	18309	18310	18311
##	-3.616537e-01	-3.616537e-01	-6.626903e-01	-5.227257e-01	-6.476043e-01
##	18312	18313	18314	18315	18316
##	-3.719657e-01	-1.012325e+00	-1.708006e+00	-9.429182e-01	-7.287815e-01
##	18317	18318	18319	18320	18321

##	-6.664579e-01	-2.029152e-01	-3.161583e-01	-4.343495e-01	-7.353860e-01
##	18322	18323	18324	18325	18326
##	-6.436233e-01	-6.702254e-01	-8.676372e-01	-1.770484e+00	-2.577061e-01
##	18327	18328	18329	18330	18331
##	-3.191582e-01	-4.872440e-01	-4.381170e-01	-5.755976e-01	-8.362774e-01
##	18332	18333	18334	18335	18336
##	-2.614736e-01	-6.531844e-01	-1.041121e+00	-1.778019e+00	-1.202402e+00
##	18337	18338	18339	18340	18342
##	-1.202402e+00	-2.399829e-01	-8.915475e-01	-4.953977e-01	-4.473290e-01
##	18343	18344	18345	18347	18348
##	-7.611753e-01	-1.159626e+00	-1.159626e+00	-1.850246e-01	-5.816710e-01
##	18349	18350	18351	18352	18353
##	-5.453312e-01	-8.479978e-01	-9.469346e-01	-5.906679e-01	-7.243944e-01
##	18354	18355	18356	18357	18358
##	-6.739774e-01	-8.517654e-01	-4.569550e-01	-4.935964e-01	-1.278649e+00
##	18359	18360	18361	18362	18363
##	-4.849850e-01	-3.417638e-01	-2.292883e-01	-9.326807e-01	-4.607225e-01
##	18364	18365	18366	18367	18368
##	-4.938384e-01	-9.436313e-01	-4.644901e-01	-4.661670e-01	-6.572008e-01
##	18369	18370	18371	18372	18373
##	-2.000950e-01	-8.057782e-01	-9.141530e-01	-1.588170e+00	-8.746997e-01
##	18374	18375	18376	18377	18378
##	-7.709711e-01	-2.038626e-01	-7.041337e-01	-9.067748e-01	-3.530665e-01
##	18379	18380	18381	18382	18383
##	-1.487173e+00	-2.076302e-01	-4.087443e-01	-6.042765e-01	-9.053131e-01
##	18384	18385	18386	18387	18388
##	-2.953819e-01	-1.185999e+00	-7.116689e-01	-5.089087e-01	-6.132734e-01
##	18389	18390	18391	18392	18393
##	-9.254558e-01	-5.286875e-01	-4.799328e-01	-1.613781e+00	-7.843646e-01
##	18394	18395	18396	18397	18398
##	-8.814884e-01	-5.830071e-01	-5.830071e-01	-8.026188e-01	-3.726720e-01
##	18399	18400	18401	18402	18403
##	-4.908632e-01	-7.935766e-01	-1.090099e+00	-6.231144e-01	-5.305046e-01
##	18404	18405	18406	18407	18408
##	-1.735296e+00	-7.540306e-02	-3.764396e-01	-4.963076e-01	-7.973442e-01
##	18409	18410	18411	18412	18413
##	-7.973442e-01	-4.294702e-01	-8.927911e-01	-1.652581e+00	-9.442937e-01
##	18414	18415	18416	18417	18418
##	-5.342722e-01	-1.833719e+00	-1.632619e+00	-4.370054e-01	-1.660117e+00
##	18419	18420	18421	18422	18423
##	-9.880398e-01	-1.098869e+00	-1.187077e-02	-8.069701e-01	-8.086469e-01
##	18424	18425	18426	18427	18428
##	-5.425750e-01	-7.771406e-01	-9.040939e-01	-9.918073e-01	-1.353160e+00
##	18429	18430	18431	18432	18433
##	-9.161431e-01	-5.594466e-01	-9.047340e-02	-5.113780e-01	-8.124145e-01
##	18434	18435	18436	18437	18438
##	-4.445406e-01	-9.078615e-01	-3.330578e-01	-5.100734e-01	-8.161821e-01
##	18439	18440	18441	18442	18443
##	-8.161821e-01	-5.465846e-01	-9.519858e-01	-9.116290e-01	-6.359823e-01
##	18444	18445	18446	18447	18448
##	-9.631316e-01	-3.990451e-01	-1.529188e-01	-8.327594e-01	-1.778090e+00
##	18449	18450	18451	18452	18453
##	-1.474403e+00	-1.055437e-01	-4.596109e-01	-4.444267e-01	-1.860906e+00
##	18454	18455	18456	18457	18458

##	-1.110282e+00	-1.040875e+00	-5.651805e-01	-8.626914e-01	-7.997461e-01
##	18459	18460	18461	18462	18463
##	-1.736907e+00	-9.266994e-01	-3.008724e-01	-5.814336e-01	-8.333432e-01
##	18464	18465	18466	18467	18468
##	-2.679115e-01	-1.679891e-01	-1.679891e-01	-6.697872e-01	-9.304670e-01
##	18469	18470	18472	18473	18474
##	-1.868441e+00	-4.171154e-01	-8.387876e-01	-5.691901e-01	-8.559996e-01
##	18475	18476	18477	18478	18479
##	-1.033589e+00	-4.765608e-01	-4.746813e-01	-6.720930e-01	-8.418090e-01
##	18480	18481	18482	18483	18484
##	-4.784488e-01	-1.879744e+00	-3.669660e-01	-1.029483e+00	-7.400877e-01
##	18485	18486	18487	18488	18489
##	-6.848575e-01	-3.707336e-01	-1.307894e+00	-8.673024e-01	-8.886651e-01
##	18490	18492	18493	18494	18495
##	-4.329534e-01	-4.859840e-01	-6.833958e-01	-4.359534e-01	-1.048659e+00
##	18496	18497	18498	18499	18500
##	-1.905946e-01	-9.881999e-01	-9.530725e-01	-4.397209e-01	-5.603566e-01
##	18501	18502	18503	18504	18505
##	-7.513904e-01	-2.942846e-01	-7.945557e-01	-6.961603e-01	-1.380374e+00
##	18506	18507	18508	18509	18510
##	-6.545912e-01	-4.434885e-01	-3.310131e-01	-6.115743e-01	-4.442561e-01
##	18512	18513	18514	18515	18516
##	-1.981298e-01	-1.000964e+00	-5.904773e-01	-3.858039e-01	-1.898582e+00
##	18517	18518	18519	18520	18521
##	-4.472561e-01	-9.904459e-01	-1.696668e+00	-2.018974e-01	-1.149046e+00
##	18523	18524	18525	18526	18528
##	-1.063730e+00	-8.411895e-01	-4.547913e-01	-6.096239e-01	-1.545223e-01
##	18529	18530	18531	18532	18533
##	-8.764634e-01	-7.112306e-01	-7.149982e-01	-7.983076e-01	-1.424744e+00
##	18534	18535	18536	18537	18538
##	-7.173041e-01	-1.921187e+00	-3.831511e-01	-4.698616e-01	-1.695927e-01
##	18539	18540	18541	18542	18543
##	-7.815311e-01	-1.349338e+00	-1.924955e+00	-1.171652e+00	-9.043435e-01
##	18544	18545	18546	18547	18548
##	-1.302794e+00	-1.174331e+00	-5.925880e-01	-2.282705e-01	-6.206180e-01
##	18549	18550	18551	18552	18553
##	-5.963556e-01	-4.197122e-01	-8.737726e-01	-4.819320e-01	-4.234798e-01
##	18554	18555	18557	18558	18559
##	-6.960346e-01	-6.960346e-01	-6.055676e-01	-1.569081e+00	-6.998022e-01
##	18560	18561	18562	18563	18564
##	-1.761841e+00	-1.031889e+00	-1.053554e+00	-3.762241e-01	-7.490507e-01
##	18565	18566	18567	18568	18569
##	-6.093352e-01	-6.442997e-01	-9.141393e-01	-1.044714e+00	-7.073373e-01
##	18570	18571	18572	18573	18574
##	-7.073373e-01	-1.241980e+00	-9.179069e-01	-8.244673e-01	-5.549125e-01
##	18575	18576	18578	18579	18580
##	-6.680881e-01	-1.983485e+00	-9.216745e-01	-1.112708e+00	-1.057478e+00
##	18581	18582	18583	18584	18585
##	-1.955096e+00	-4.423177e-01	-5.586801e-01	-6.244055e-01	-5.575681e-01
##	18586	18587	18588	18589	18590
##	-6.756232e-01	-4.668521e-01	-7.224077e-01	-1.962631e+00	-4.498529e-01
##	18591	18592	18593	18594	18595
##	-4.498529e-01	-8.472862e-01	-6.268685e-01	-9.305328e-01	-9.420194e-01
##	18596	18597	18598	18599	18600

##	-1.036706e+00	-6.793908e-01	-7.625151e-01	-1.058262e+00	-5.188402e-01
##	18601	18602	18605	18606	18607
##	-1.274864e+00	-2.185713e-01	-4.781549e-01	-1.131546e+00	-3.734039e-01
##	18608	18609	18610	18611	18612
##	-5.745180e-01	-9.152160e-01	-1.656714e+00	-6.782080e-01	-4.649232e-01
##	18613	18614	18615	18616	18617
##	-4.138999e-01	-9.463707e-01	-9.480475e-01	-5.820532e-01	-6.733642e-01
##	18618	18619	18620	18621	18622
##	-5.839412e-01	-8.698917e-01	-5.555749e-01	-1.783323e+00	-1.363075e+00
##	18623	18624	18625	18626	18627
##	-2.342810e+00	-5.877088e-01	-9.870217e-01	-7.057639e-01	-5.914764e-01
##	18628	18629	18630	18631	18632
##	-7.888882e-01	-7.525484e-01	-8.274207e-01	-5.971235e-01	-9.759276e-01
##	18634	18635	18636	18637	18638
##	-1.794626e+00	-5.459809e-01	-1.157919e+00	-4.875287e-01	-4.875287e-01
##	18639	18641	18642	18643	18644
##	-5.489809e-01	-9.038157e-01	-9.038157e-01	-1.101227e+00	-4.073121e-01
##	18645	18646	18647	18648	18649
##	-7.083487e-01	-1.005860e+00	-1.796542e+00	-2.007028e+00	-2.007842e+00
##	18650	18651	18652	18653	18654
##	-4.950639e-01	-1.579955e+00	-1.814121e-01	-9.802790e-01	-9.802790e-01
##	18655	18656	18657	18658	18659
##	-1.191579e+00	-1.172990e+00	-1.078216e+00	-6.830100e-01	-7.196514e-01
##	18660	18662	18663	18665	18666
##	-9.870466e-01	-1.084938e+00	-1.114776e+00	-1.327611e+00	-1.129062e+00
##	18667	18668	18669	18670	18671
##	-6.909175e-01	-1.118544e+00	-1.281576e+00	-8.613290e-01	-6.959896e-01
##	18672	18673	18674	18675	18676
##	-2.030447e+00	-3.141996e+00	-1.000794e+00	-1.191828e+00	-5.828891e-01
##	18677	18678	18679	18680	18682
##	-7.018479e-01	-6.100852e-01	-1.720763e+00	-1.006652e+00	-1.199363e+00
##	18683	18684	18685	18686	18687
##	-1.003815e+00	-1.103776e+00	-1.104194e+00	-5.497390e-01	-1.012096e+00
##	18688	18689	18690	18692	18693
##	-1.043535e+00	-1.024906e+00	-2.939229e-01	-6.479901e-01	-1.028674e+00
##	18694	18695	18696	18697	18698
##	-8.128297e-01	-6.017271e-01	-6.017271e-01	-7.206859e-01	-1.214433e+00
##	18699	18700	18701	18702	18703
##	-9.565618e-01	-1.434659e+00	-8.203649e-01	-1.029258e+00	-1.030934e+00
##	18704	18705	18706	18707	18708
##	-6.649400e-01	-1.319252e+00	-8.642398e-01	-1.097047e+00	-7.716300e-01
##	18709	18710	18711	18712	18713
##	-1.905732e+00	-2.013181e+00	-6.175650e-01	-7.357562e-01	-1.326787e+00
##	18714	18716	18717	18718	18719
##	-7.886508e-01	-1.233271e+00	-6.762428e-01	-1.596340e+00	-1.167522e+00
##	18720	18721	18722	18723	18724
##	-6.459969e-01	-2.238958e+00	-2.020716e+00	-3.240636e-01	-1.141452e+00
##	18725	18726	18727	18728	18729
##	-1.048095e+00	-1.461033e+00	-1.263163e+00	-4.864314e-01	-2.007913e+00
##	18730	18731	18732	18733	18734
##	-1.511344e+00	-5.489249e-01	-1.054863e+00	-1.066350e+00	-1.391659e+00
##	18735	18736	18737	18738	18739
##	-1.052794e+00	-5.269275e-01	-8.074887e-01	-7.914775e-01	-7.863917e-01
##	18740	18741	18742	18743	18744

##	-8.542731e-01	-1.029569e+00	-1.711761e+00	-6.477057e-01	-7.658969e-01
##	18745	18746	18747	18748	18749
##	-9.072893e-01	-1.068610e+00	-1.278233e+00	-1.199185e+00	-6.514733e-01
##	18750	18751	18752	18753	18754
##	-7.045039e-01	-1.206720e+00	-8.693435e-01	-1.183642e+00	-1.078236e+00
##	18755	18756	18757	18758	18759
##	-9.146802e-01	-6.005562e-01	-1.082004e+00	-6.213231e-01	-9.034808e-01
##	18760	18761	18762	18763	18764
##	-1.606429e+00	-1.100258e+00	-1.100258e+00	-6.703112e-01	-7.081576e-01
##	18765	18766	18767	18768	18769
##	-8.844138e-01	-6.118590e-01	-2.982072e-01	-3.730422e-01	-1.304606e+00
##	18770	18771	18772	18774	18775
##	-6.156266e-01	-5.903683e-01	-1.097074e+00	-7.308770e-01	-8.919490e-01
##	18778	18779	18780	18781	18782
##	-2.135940e+00	-1.957756e+00	-1.198383e+00	-1.115328e+00	-4.392552e-01
##	18783	18784	18785	18786	18787
##	-1.101772e+00	-1.119096e+00	-8.073403e-01	-1.826256e+00	-3.170451e-01
##	18789	18790	18791	18792	18793
##	-7.459473e-01	-1.046984e+00	-1.209268e+00	-5.834412e-01	-6.382321e-01
##	18794	18795	18796	18797	18798
##	-1.225085e+00	-1.152795e+00	-8.224106e-01	-1.015121e+00	-7.591296e-01
##	18799	18801	18802	18803	18804
##	-9.183221e-01	-1.062054e+00	-1.586695e+00	-1.041246e+00	-2.003689e+00
##	18805	18806	18807	18808	18809
##	-1.964167e+00	-1.543919e+00	-7.685528e-01	-1.594231e+00	-1.140194e+00
##	18810	18811	18812	18813	18814
##	-4.731634e-01	-1.073357e+00	-1.694297e+00	-1.597998e+00	-7.772000e-01
##	18815	18816	18817	18818	18819
##	-7.230574e-01	-7.779676e-01	-8.743644e-01	-1.274536e+00	-6.135819e-01
##	18820	18821	18822	18823	18824
##	-1.156772e+00	-8.979107e-01	-2.126208e+00	-7.855027e-01	-9.446951e-01
##	18825	18826	18827	18828	18829
##	-6.468820e-01	-2.768465e+00	-1.155265e+00	-2.188686e+00	-8.529236e-01
##	18830	18831	18832	18833	18834
##	-1.171842e+00	-1.161123e+00	-9.129811e-01	-7.986935e-01	-1.135061e+00
##	18835	18836	18837	18838	18839
##	-9.034955e-01	-7.494304e-01	-9.998729e-01	-7.531980e-01	-8.730661e-01
##	18840	18841	18842	18843	18844
##	-9.045051e-01	-6.947458e-01	-9.280514e-01	-9.280514e-01	-1.099714e+00
##	18845	18846	18847	18848	18849
##	-9.107220e-01	-4.672318e-01	-2.222594e+00	-1.314458e+00	-8.261786e-01
##	18850	18851	18852	18853	18854
##	-1.527292e+00	-7.720359e-01	-8.250666e-01	-1.300437e+00	-1.196708e+00
##	18855	18856	18857	18858	18859
##	-8.288342e-01	-1.654512e+00	-1.476826e+00	-1.369720e+00	-1.198799e+00
##	18860	18861	18862	18863	18864
##	-1.168969e+00	-2.169899e+00	-7.871063e-01	-4.898373e-01	-1.347582e+00
##	18865	18866	18867	18868	18869
##	-1.004976e+00	-9.145095e-01	-8.193058e-01	-1.410347e+00	-5.522827e-01
##	18870	18871	18872	18873	18874
##	-1.677117e+00	-7.399569e-01	-2.040280e+00	-1.016279e+00	-1.226849e+00
##	18875	18876	18877	18878	18879
##	-8.608544e-01	-1.362652e+00	-1.322296e+00	-7.474920e-01	-1.688420e+00
##	18880	18881	18882	18883	18884

##	-9.807976e-01	-9.316706e-01	-1.167547e+00	-7.550272e-01	-9.320429e-01
##	18885	18886	18887	18888	18889
##	-2.271573e+00	-1.569759e+00	-2.040189e+00	-8.778128e-01	-7.663299e-01
##	18890	18891	18892	18893	18894
##	-1.258496e+00	-1.249454e+00	-1.253222e+00	-1.253222e+00	-1.161808e+00
##	18895	18896	18897	18898	18899
##	-2.286643e+00	-2.108459e+00	-1.003403e+00	-3.498114e+00	-1.256989e+00
##	18900	18901	18902	18903	18904
##	-7.814003e-01	-7.814003e-01	-1.976959e+00	-1.474148e+00	-1.154522e+00
##	18905	18906	18907	18908	18909
##	-1.326870e+00	-1.277334e+00	-4.100329e+00	-8.473876e-01	-1.398867e+00
##	18910	18911	18912	18913	18914
##	-1.368320e+00	-2.261079e+00	-1.275827e+00	-1.069025e+00	-8.579228e-01
##	18915	18916	18917	18918	18919
##	-1.004912e+00	-8.616904e-01	-5.614214e-01	-1.281686e+00	-9.823260e-01
##	18920	18921	18922	18923	18924
##	-1.118130e+00	-1.378809e+00	-2.261841e+00	-9.211358e-01	-5.689566e-01
##	18925	18926	18927	18928	18929
##	-7.862827e-01	-2.256554e+00	-6.314020e-01	-8.812959e-01	-8.812959e-01
##	18930	18931	18932	18933	18934
##	-9.994871e-01	-8.228437e-01	-8.850635e-01	-1.305968e+00	-9.380941e-01
##	18935	18936	18937	18938	18939
##	-1.309736e+00	-1.309736e+00	-2.343157e+00	-1.059917e+00	-1.315594e+00
##	18940	18942	18943	18944	18945
##	-1.018697e+00	-1.214803e+00	-1.242883e+00	-1.022465e+00	-9.618116e-01
##	18946	18947	18948	18950	18951
##	-1.736066e+00	-9.693468e-01	-6.141676e-01	-1.035072e+00	-1.035072e+00
##	18952	18953	18954	18956	18957
##	-9.182042e-01	-1.077572e+00	-9.776495e-01	-1.630209e+00	-1.542213e+00
##	18958	18959	18960	18961	18963
##	-1.905282e+00	-1.905282e+00	-2.384600e+00	-2.067381e+00	-1.080263e+00
##	18964	18965	18966	18967	18970
##	-2.388368e+00	-1.812750e+00	-1.057678e+00	-1.248712e+00	-1.383461e+00
##	18971	18972	18973	18974	18975
##	-1.461696e+00	-3.477973e+00	-9.491124e-01	-7.029861e-01	-6.518435e-01
##	18976	18977	18978	18979	18980
##	-1.072748e+00	-1.291861e+00	-6.556110e-01	-6.593786e-01	-6.593786e-01
##	18981	18982	18983	18984	18985
##	-1.314482e+00	-1.249390e+00	-1.904068e+00	-1.082746e+00	-1.020981e+00
##	18986	18987	18988	18989	18990
##	-1.306932e+00	-1.089909e+00	-1.117939e+00	-1.517908e+00	-2.108825e+00
##	18991	18992	18993	18994	18995
##	-9.170333e-01	-1.398481e+00	-1.197123e+00	-1.424270e+00	-1.114191e+00
##	18996	18997	18998	18999	19000
##	-1.415228e+00	-1.049234e+00	-1.545802e+00	-1.116282e+00	-1.169177e+00
##	19001	19002	19003	19004	19005
##	-1.061434e+00	-1.001859e+00	-1.312760e+00	-1.518210e+00	-2.243730e+00
##	19006	19007	19008	19009	19010
##	-1.005626e+00	-1.005626e+00	-1.424854e+00	-1.124190e+00	-1.768418e+00
##	19011	19012	19014	19015	19016
##	-9.036859e-01	-1.436157e+00	-1.075607e+00	-1.458813e+00	-1.199317e+00
##	19017	19018	19019	19020	19021
##	-1.085030e+00	-1.181988e+00	-1.038767e+00	-1.163170e+00	-1.050837e+00
##	19022	19023	19024	19025	19026

##	-9.413617e-01	-2.330747e+00	-1.057605e+00	-1.753286e+00	-1.111403e+00
##	19027	19028	19029	19031	19032
##	-9.999202e-01	-1.065140e+00	-1.488135e+00	-1.128353e+00	-1.589794e+00
##	19033	19035	19036	19037	19038
##	-9.897322e-01	-1.228517e+00	-1.134009e+00	-3.479466e+00	-1.230967e+00
##	19039	19040	19041	19042	19043
##	-1.423727e+00	-1.351720e+00	-1.612400e+00	-1.974757e+00	-1.254648e+00
##	19044	19045	19046	19047	19048
##	-1.222147e+00	-1.745414e+00	-8.176172e-01	-2.394795e+00	-2.394795e+00
##	19049	19050	19051	19052	19053
##	-1.407629e+00	-1.690275e+00	-2.197779e+00	-1.096039e+00	-2.428704e+00
##	19055	19058	19059	19060	19061
##	-1.577234e+00	-1.167632e+00	-2.142639e+00	-1.510381e+00	-1.174400e+00
##	19062	19063	19064	19065	19066
##	-2.413271e+00	-1.596072e+00	-2.451309e+00	-2.153942e+00	-1.185703e+00
##	19067	19068	19069	19070	19071
##	-2.585853e+00	-8.892013e-01	-1.131786e+00	-1.106527e+00	-1.247036e+00
##	19072	19073	19074	19075	19076
##	-1.247036e+00	-8.967364e-01	-1.620768e+00	-2.273131e+00	-1.258339e+00
##	19077	19078	19079	19080	19081
##	-2.180315e+00	-2.360339e+00	-1.332711e+00	-1.215843e+00	-1.383929e+00
##	19082	19083	19084	19085	19086
##	-1.216611e+00	-1.334802e+00	-1.219611e+00	-1.378979e+00	-1.250575e+00
##	19087	19088	19089	19090	19091
##	-1.231681e+00	-2.206688e+00	-1.476154e+00	-2.217991e+00	-2.646135e+00
##	19092	19093	19094	19095	19096
##	-8.821827e-01	-9.570178e-01	-2.148065e+00	-1.404295e+00	-9.909260e-01
##	19097	19098	19099	19100	19101
##	-2.266970e+00	-9.946936e-01	-1.413921e+00	-1.421457e+00	-1.859974e+00
##	19102	19103	19105	19106	19107
##	-2.278272e+00	-2.386647e+00	-1.434436e+00	-1.774047e+00	-1.438204e+00
##	19108	19109	19110	19111	19112
##	-1.672403e+00	-1.445739e+00	-1.480703e+00	-1.750543e+00	-1.032369e+00
##	19113	19115	19116	19117	19118
##	-1.752634e+00	-1.457042e+00	-1.462900e+00	-2.319716e+00	-2.624618e+00
##	19119	19120	19121	19122	19123
##	-1.268533e+00	-1.209808e+00	-1.363547e+00	-2.338554e+00	-1.577649e+00
##	19124	19125	19126	19127	19128
##	-1.494717e+00	-2.681854e+00	-1.822127e+00	-1.407990e+00	-1.532393e+00
##	19129	19130	19131	19132	19133
##	-1.570049e+00	-2.707505e+00	-1.554999e+00	-2.413905e+00	-2.317607e+00
##	19134	19135	19136	19137	19138
##	-2.000158e+00	-2.733878e+00	-1.460736e+00	-2.289901e+00	-1.628822e+00
##	19139	19140	19141	19142	19143
##	-2.436511e+00	-2.174494e+00	-2.029515e+00	-1.175538e+00	-1.647660e+00
##	19144	19145	19146	19147	19148
##	-1.548443e+00	-2.948924e+00	-1.920084e+00	-1.758619e+00	-1.510482e+00
##	19149	19150	19151	19152	19153
##	-1.692871e+00	-2.244214e+00	-1.438683e+00	-1.710526e+00	-2.534468e+00
##	19154	19155	19156	19157	19158
##	-2.318485e+00	-1.884892e+00	-1.435863e+00	-1.757538e+00	-1.600137e+00
##	19159	19160	19161	19162	19163
##	-2.159919e+00	-2.706403e+00	-2.914722e+00	-1.981329e+00	-1.645348e+00
##	19164	19165	19166	19167	19168



```

## -1.765984e+00 -2.539894e+00 -2.740312e+00 -2.428769e+00 -2.104696e+00
##      19169      19170      19171      19172      19173
## -2.041626e+00 -1.720700e+00 -2.464598e+00 -2.937008e+00 -2.334689e+00
##      19174      19175      19176      19177      19179
## -2.147118e+00 -1.920454e+00 -1.935525e+00 -1.935525e+00 -3.121939e+00
##      19180      19181      19182      19183      19184
## -1.556064e+00 -1.840091e+00 -2.067390e+00 -1.973128e+00 -3.227069e+00
##      19185      19186      19187      19188      19189
## -2.146510e+00 -3.303576e+00 -3.004203e+00 -2.164439e+00 -3.241400e+00
##      19190      19191      19193      19194
## -3.127637e+00 -3.662621e+00 -3.444259e+00 -3.153205e+00
##
## $fitMsgs
##                                     msgRankdrop
## "fixed-effect model matrix is rank deficient so dropping 4 columns / coefficients"
##
## $optinfo
## $optinfo$optimizer
## [1] "nloptwrap"
##
## $optinfo$control
## $optinfo$control$print_level
## [1] 0
##
##
## $optinfo$derivs
## $optinfo$derivs$gradient
## [1] -1.891749e-05
##
## $optinfo$derivs$Hessian
##      [,1]
## [1,] 837.8184
##
##
## $optinfo$conv
## $optinfo$conv$opt
## [1] 0
##
## $optinfo$conv$lme4
## list()
##
##
## $optinfo$feval
## [1] 23
##
## $optinfo$warnings
## list()
##
## $optinfo$val
## [1] 0.3491163
##
##
## attr(,"class")
## [1] "summary.merMod"

```